

# H5Py Test

June 2, 2022

```
[1]: import numpy as np
import h5py
import torch
from torch.utils.data import Dataset, DataLoader
import torch.nn as nn
from collections.abc import Iterable

batchSize = 32 #Batch size of training set

#import helpers

[2]: def trainNetwork(model, loss_function, optimizer, numEpochs, dataloader,
    ↪numOutputs):
    for epoch in range(numEpochs):

        # Print epoch
        print(f'Starting epoch {epoch+1}')

        # Set current loss value
        current_loss = 0.0

        # Iterate over the DataLoader for training data
        for i, data in enumerate(dataloader, 0):

            # Get and prepare input

            preProcessedInputs = data[:, 0:4] #This line doesn't really do
            ↪anything, delete later?
            targets = data[:, 4:(4+numOutputs)]

            #Process intensity by putting it on a log scale
            intens = data[:, 0:1]
            intens = np.log(intens)
            inputs = torch.cat((intens, data[:,1:4]), axis = 1)

            #Process targets by putting them on a log scale
            targets = np.log(targets)
```

```

    #print(type(inputs))

    #Comment the next two lines out if not using GPU
    inputs = inputs.to('cuda')
    targets = targets.to('cuda')

    #Normalize inputs
    inputs, targets = inputs.float(), targets.float()
    targets = targets.reshape((targets.shape[0], numOutputs))

    # Zero the gradients
    optimizer.zero_grad()

    # Perform forward pass
    inputs = inputs
    outputs = model(inputs)

    #The following two lines are for debugging only
    #     if i % 10 == 0:
    #         print("Targets:", targets[0:2])
    #         print("Outputs:", outputs[0:2])
    #         print()
    #         print()

    # Compute loss
    loss = loss_function(outputs, targets)

    # Perform backward pass
    loss.backward()

    # Perform optimization
    optimizer.step()

    # Print statistics
    current_loss += loss.item()
    if i % 10 == 0:
        print('Loss after mini-batch %5d: %.3f' %
              (i + 1, current_loss / 500))
        current_loss = 0.0

    # Process is complete.
    print('Training process has finished.')

```

[3]: #See if I can import all of the data from a file

```
filename = 'Data_Fuchs_v_2.2_lambda_um_0.8_points_100000_seed_0.h5'
```

```
h5File = h5py.File(filename, 'r+')
```

```
[4]: #Read columns

intens = h5File['Intensity_(W_cm2)']

duration = h5File['Pulse_Duration_(fs)']

thickness = h5File['Target_Thickness (um)']

spotSize = h5File['Spot_Size_(FWHM um)']

maxEnergy = h5File['Max_Proton_Energy_(MeV)']

totalEnergy = h5File['Total_Proton_Energy_(MeV)']

avgEnergy = h5File['Avg_Proton_Energy_(MeV)']

test = zip(intens, duration, thickness, spotSize, maxEnergy, totalEnergy,
    ↪ avgEnergy)

print(next(test)) #Prints the first row from the h5 file

nextRow = next(test)

print(type(nextRow))

#Convert columns into numpy arrays
npIntens = np.fromiter(intens, float)
npDuration = np.fromiter(duration, float)
npThickness = np.fromiter(thickness, float)
npSpot = np.fromiter(spotSize, float)
npMaxEnergy = np.fromiter(maxEnergy, float)
npTotalEnergy = np.fromiter(totalEnergy, float)
npAvgEnergy = np.fromiter(avgEnergy, float)

#print(npIntens)

print(npIntens.shape)

#Join all of those arrays into one big numpy array
npFile = np.dstack((npIntens, npDuration, npThickness, npSpot, npMaxEnergy,
    ↪ npTotalEnergy, npAvgEnergy))

print(npFile.shape)
```

```

npFile = npFile.reshape(100000, 7)

print(npFile.shape)

print("Average Energy:", npAvgEnergy)
print("Total Energy:", npTotalEnergy)

print(npFile)

npTrain = npFile[:90000, 0:7]
npTest = npFile[90000:, 0:7]
print(npTrain)
print(npTest)
print("First element:", npTrain[0])

```

```

(4.430375245218274e+19, 276.9233951743395, 4.746512328455758, 7.890440537198452,
26.342628586048782, 0.0935595722134232, 0.8444635002729384)
<class 'tuple'>
(100000,)
(1, 100000, 7)
(100000, 7)
Average Energy: [0.8444635  1.3036848  0.95625333 ... 1.97573071 0.57194231
0.03860513]
Total Energy: [9.35595722e-02 2.14230905e-02 2.48208681e-01 ... 4.84473913e-01
5.88664868e-03 9.21156780e-06]
[[4.43037525e+19 2.76923395e+02 4.74651233e+00 ... 2.63426286e+01
9.35595722e-02 8.44463500e-01]
[1.39819614e+20 4.53941239e+02 1.19513696e+01 ... 2.34476073e+01
2.14230905e-02 1.30368480e+00]
[6.43117205e+19 2.61150353e+02 1.97584594e+01 ... 2.20360552e+01
2.48208681e-01 9.56253327e-01]
...
[2.69400571e+20 1.23019754e+02 1.25465418e+01 ... 3.86338967e+01
4.84473913e-01 1.97573071e+00]
[4.49880152e+19 1.61972774e+02 7.05079904e+00 ... 8.46958115e+00
5.88664868e-03 5.71942315e-01]
[4.75628170e+18 4.24402011e+02 1.17979472e+01 ... 3.29550949e-01
9.21156780e-06 3.86051295e-02]]
[[4.43037525e+19 2.76923395e+02 4.74651233e+00 ... 2.63426286e+01
9.35595722e-02 8.44463500e-01]
[1.39819614e+20 4.53941239e+02 1.19513696e+01 ... 2.34476073e+01
2.14230905e-02 1.30368480e+00]
[6.43117205e+19 2.61150353e+02 1.97584594e+01 ... 2.20360552e+01
2.48208681e-01 9.56253327e-01]
...
[4.92914993e+19 1.71184725e+02 1.92358048e+01 ... 6.67826415e+00
1.81804984e-02 5.15900260e-01]
[6.54307294e+19 9.77585769e+01 6.64761369e-01 ... 1.75692204e+01

```

```

2.40214359e-03 8.92552833e-01]
[6.40273318e+20 1.73703879e+02 1.30547871e+01 ... 7.11248907e+01
 6.97779380e-01 3.30749663e+00]]
[[3.74430934e+18 2.61351442e+02 1.16572889e+01 ... 3.93142344e-01
 3.69015786e-05 4.26094684e-02]
[1.49845255e+18 4.00833685e+02 1.60993081e+01 ... 7.32079196e-02
 1.43064432e-06 9.37849387e-03]
[2.04376780e+19 4.83276572e+02 1.24944327e+01 ... 1.19488694e+01
 2.66036615e-02 4.83554306e-01]
...
[2.69400571e+20 1.23019754e+02 1.25465418e+01 ... 3.86338967e+01
 4.84473913e-01 1.97573071e+00]
[4.49880152e+19 1.61972774e+02 7.05079904e+00 ... 8.46958115e+00
 5.88664868e-03 5.71942315e-01]
[4.75628170e+18 4.24402011e+02 1.17979472e+01 ... 3.29550949e-01
 9.21156780e-06 3.86051295e-02]]
First element: [4.43037525e+19 2.76923395e+02 4.74651233e+00 7.89044054e+00
 2.63426286e+01 9.35595722e-02 8.44463500e-01]

```

```
[5]: print(npFile)
```

```

[[4.43037525e+19 2.76923395e+02 4.74651233e+00 ... 2.63426286e+01
 9.35595722e-02 8.44463500e-01]
[1.39819614e+20 4.53941239e+02 1.19513696e+01 ... 2.34476073e+01
 2.14230905e-02 1.30368480e+00]
[6.43117205e+19 2.61150353e+02 1.97584594e+01 ... 2.20360552e+01
 2.48208681e-01 9.56253327e-01]
...
[2.69400571e+20 1.23019754e+02 1.25465418e+01 ... 3.86338967e+01
 4.84473913e-01 1.97573071e+00]
[4.49880152e+19 1.61972774e+02 7.05079904e+00 ... 8.46958115e+00
 5.88664868e-03 5.71942315e-01]
[4.75628170e+18 4.24402011e+02 1.17979472e+01 ... 3.29550949e-01
 9.21156780e-06 3.86051295e-02]]

```

```
[6]: #Check out one of the columns
```

```

intens[:]

#Can we convert intens by a log
logIntens = np.log(intens)

print(intens[:])
print(logIntens[:])

```

```

[4.43037525e+19 1.39819614e+20 6.43117205e+19 ... 2.69400571e+20
 4.49880152e+19 4.75628170e+18]
[45.23760105 46.38688479 45.61027357 ... 47.04273106 45.2529278
 43.00599788]

```

```
[7]: #Print out every value in a column
```

```
# print(type(totalEnergy))
```

```
# for i in range(len(intens)):
#     print(intens[i])
```

```
[8]: class MLP(nn.Module):
```

```
    '''
```

```
        Multilayer Perceptron for regression.
```

```
    '''
```

```
    def __init__(self):
```

```
        super().__init__()
```

```
        self.norm0 = nn.BatchNorm1d(4)
```

```
        self.linear1 = nn.Linear(in_features=4, out_features=64)
```

```
        self.norm1 = nn.BatchNorm1d(64)
```

```
        self.act1 = nn.SELU()
```

```
        self.linear2 = nn.Linear(in_features=64, out_features=16)
```

```
        self.norm2 = nn.BatchNorm1d(16)
```

```
        self.act2 = nn.SELU()
```

```
        self.output = nn.Linear(in_features=16, out_features = 1)
```

```
    def forward(self, x):
```

```
        '''
```

```
            Forward pass
```

```
        '''
```

```
        x = self.norm0(x)
```

```
        x = self.linear1(x)
```

```
        x = self.norm1(x)
```

```
        x = self.act1(x)
```

```
        x = self.linear2(x)
```

```
        x = self.norm2(x)
```

```
        x = self.act2(x)
```

```
        x = self.output(x)
```

```
    return x
```

```
[9]: #Load in the data
```

```
#Unfamiliar with h5py, Hopefully this doesn't break anything
```

```
#h5File.close()
```

```

#f = h5py.File('test.hdf5', 'w')
#f = h5py.File('test', 'r+')

training_dataset = h5File.create_dataset(name=None, data=npTrain)

#print(list(h5File.keys()))
#test = h5File[0:7]
#test = h5File['Intensity_(W_cm2)', 'Pulse_Duration_(fs)']

```

## 1 Prepare our dataset

[278]: *#Will the PyTorch DataLoader class work with H5Py datasets?*

```
dataloader = DataLoader(training_dataset, batch_size=batchSize, shuffle=True)
```

[11]: `iterDataLoader = iter(dataloader)`

```

print(next(iterDataLoader))
print(next(iterDataLoader))

row = next(iterDataLoader)

```

```

tensor([[7.8883e+19, 1.8198e+02, 1.7133e+01, ..., 3.9838e+00, 2.7532e-03,
         4.0441e-01],
        [3.7841e+18, 4.8183e+02, 2.3721e+00, ..., 1.8996e+00, 4.8251e-05,
         1.1422e-01],
        [6.5570e+20, 3.9796e+02, 1.3231e+01, ..., 1.3489e+02, 1.6871e+00,
         3.9016e+00],
        ...,
        [2.0533e+18, 1.0631e+02, 1.9096e+01, ..., 2.5515e-03, 1.8056e-09,
         4.0855e-04],
        [2.2459e+20, 6.1978e+01, 1.8635e+01, ..., 7.2424e+00, 3.3906e-02,
         7.3360e-01],
        [2.5555e+20, 2.9143e+02, 1.4857e+01, ..., 7.5580e+01, 1.6794e+00,
         2.3241e+00]], dtype=torch.float64)
tensor([[5.0261e+20, 2.4520e+02, 1.7802e+01, ..., 9.8085e+01, 3.1485e+00,
         3.2795e+00],
        [3.6379e+20, 3.7106e+02, 1.2572e+01, ..., 3.2087e+01, 3.7249e-02,
         2.0089e+00],
        [2.0919e+20, 4.4250e+02, 5.4368e+00, ..., 1.0766e+02, 1.0770e+00,
         2.2107e+00],
        ...,
        [9.3302e+19, 1.4956e+02, 2.0985e+00, ..., 2.8772e+01, 2.0296e-02,
         1.2051e+00],
        [8.5852e+18, 3.9675e+01, 1.8408e+00, ..., 3.4012e-01, 4.9765e-05,
         4.2745e-02],

```

```
[1.8240e+18, 2.1035e+02, 5.4823e+00, ..., 2.8520e-01, 2.3363e-05,
 2.8780e-02]], dtype=torch.float64)
```

```
[12]: valueIntens, valueDuration, valueThickness, valueSpot, valueMax = row[0,0],  
      ↪row[0,1], row[0,2], row[0,3], row[0,4]  
  
print(valueIntens, valueDuration, valueThickness, valueSpot, valueMax)  
  
inputs = row[0, 0:4]  
  
print(inputs)
```

```
tensor(3.3490e+19, dtype=torch.float64) tensor(329.1354, dtype=torch.float64)  
tensor(7.3251, dtype=torch.float64) tensor(2.6762, dtype=torch.float64)  
tensor(10.9675, dtype=torch.float64)  
tensor([3.3490e+19, 3.2914e+02, 7.3251e+00, 2.6762e+00], dtype=torch.float64)
```

```
[13]: #Test iterating through the data loader
```

```
for i, data in enumerate(dataloader, 0):  
    #Print inputs  
    #print(data[0])  
    inputs = data[:, 0:4]  
    target = data[:, 4:7]  
  
    print("Iteration:", i)  
    print("Inputs:", inputs)  
    print("Target:", target)
```

Iteration: 0

```
Inputs: tensor([[7.2621e+18, 3.8250e+01, 6.6320e+00, 1.9575e+00],  
               [3.5064e+18, 3.8875e+02, 1.9952e+01, 4.1548e+00],  
               [1.0490e+19, 3.5137e+02, 5.0465e+00, 8.5949e+00],  
               ...,  
               [1.2673e+20, 5.5169e+01, 4.4130e+00, 7.3458e+00],  
               [5.4360e+20, 2.8274e+01, 8.1166e+00, 8.3333e+00],  
               [6.4196e+19, 4.6723e+02, 5.6288e+00, 8.3320e+00]], dtype=torch.float64)
```

```
Target: tensor([[2.1472e-02, 5.9957e-08, 3.3336e-03],  
               [3.0925e-01, 3.3381e-05, 3.4950e-02],  
               [6.6088e+00, 6.3625e-03, 2.9515e-01],  
               [5.7833e+01, 5.8930e-02, 3.0423e+00],  
               [6.5115e+00, 3.7537e-03, 7.4048e-01],  
               [3.9191e+01, 2.0696e-01, 1.8371e+00],  
               [5.7570e+00, 3.9009e-03, 3.3289e-01],  
               [8.9293e-02, 2.3852e-06, 1.3017e-02],  
               [8.2603e+01, 1.4745e-01, 2.6351e+00],  
               [1.5441e+00, 8.1499e-04, 1.1972e-01],  
               [8.5296e+01, 2.4638e+00, 3.5327e+00],  
               [2.0363e+01, 1.5113e-01, 8.1001e-01],
```



[1.6448e+00, 5.2431e-04, 1.6918e-01],  
[1.9683e+02, 3.0747e+00, 3.7715e+00],  
[3.7093e+00, 1.2541e-03, 3.7014e-01],  
[2.7399e+01, 2.6613e-01, 1.7882e+00],  
[1.7253e+01, 1.4852e-01, 1.1693e+00],  
[3.6985e+00, 8.0631e-04, 1.6595e-01],  
[6.9914e+01, 1.2376e+00, 2.7802e+00],  
[6.2234e+01, 1.1574e+00, 1.7140e+00],  
[1.1305e+01, 3.9063e-02, 5.1556e-01],  
[2.2298e+01, 5.5319e-02, 8.3606e-01],  
[7.5763e-01, 1.1466e-04, 7.2480e-02],  
[8.1891e+01, 4.2437e-01, 3.2248e+00],  
[7.2391e-01, 1.2767e-04, 7.0123e-02],  
[1.1013e+00, 3.6439e-05, 1.1677e-01],  
[1.7480e+00, 9.8501e-04, 1.3714e-01],  
[3.6415e+01, 2.9267e-01, 1.1689e+00],  
[5.0684e-02, 4.1039e-06, 7.1834e-03],  
[1.4467e+01, 2.5203e-02, 9.8385e-01],  
[1.2721e+00, 1.5401e-04, 1.3692e-01],  
[5.8459e-03, 3.8474e-08, 8.9774e-04],  
[4.4071e+00, 1.6785e-03, 4.4922e-01],  
[4.5869e+01, 2.3797e-01, 1.2367e+00],  
[3.5877e-02, 2.6317e-07, 4.9521e-03],  
[1.1941e+00, 1.2611e-03, 1.4184e-01],  
[6.6276e-01, 3.4244e-04, 7.7628e-02],  
[5.8330e+01, 6.2719e-01, 2.0366e+00],  
[1.1305e+01, 1.3186e-02, 8.5158e-01],  
[1.4798e+02, 1.8017e+00, 4.5727e+00],  
[8.6137e+01, 4.1047e-01, 1.8928e+00],  
[1.1961e-01, 4.4836e-06, 1.6764e-02],  
[6.7451e+00, 4.7701e-04, 6.7000e-01],  
[2.8506e-01, 6.1189e-05, 3.5027e-02],  
[6.4159e+01, 8.3864e-02, 2.2462e+00],  
[2.7102e-01, 1.0478e-05, 2.9943e-02],  
[2.1803e+01, 1.3681e-01, 9.7328e-01],  
[7.6664e-02, 1.0919e-06, 1.0565e-02],  
[7.5890e+00, 3.1414e-03, 4.5016e-01],  
[3.6145e+01, 1.6252e-01, 8.7378e-01],  
[1.6322e+01, 1.4992e-02, 7.0291e-01],  
[6.8115e+01, 1.0005e-01, 3.1588e+00],  
[8.4356e+01, 8.3482e-01, 1.6818e+00],  
[1.0025e+00, 9.5686e-05, 7.7358e-02],  
[2.4204e+01, 2.0535e-01, 8.5772e-01],  
[1.3276e+00, 6.6553e-05, 1.0655e-01],  
[1.1829e+00, 7.5984e-04, 1.0884e-01],  
[2.3531e+01, 1.7788e-01, 1.6046e+00],  
[3.3830e+00, 5.1934e-04, 1.9739e-01],  
[2.3691e+00, 2.5486e-04, 1.3539e-01],

[5.0017e+00, 7.3640e-03, 2.7446e-01],  
 [3.5346e-03, 7.7379e-10, 5.6826e-04],  
 [2.1861e-01, 3.4346e-05, 2.1908e-02],  
 [1.7134e+01, 4.0965e-03, 8.7110e-01],  
 [2.4527e+00, 2.1530e-03, 2.2223e-01],  
 [1.5163e+02, 1.3412e+00, 3.5200e+00],  
 [2.5563e+00, 1.0117e-03, 1.4952e-01],  
 [3.1628e+00, 7.1552e-03, 3.3992e-01],  
 [2.3836e+01, 4.5575e-02, 6.6053e-01],  
 [1.3158e-02, 2.7668e-08, 2.0468e-03],  
 [1.2407e+02, 5.9098e-01, 2.9594e+00],  
 [5.7217e+00, 3.6171e-03, 3.8572e-01],  
 [7.3230e+00, 1.3810e-03, 2.8117e-01],  
 [1.3070e+01, 3.8058e-02, 8.2278e-01],  
 [3.6334e+01, 1.4533e-01, 2.1322e+00],  
 [1.7731e+02, 3.3066e+00, 3.6661e+00],  
 [8.6098e+00, 9.8123e-03, 3.9094e-01],  
 [5.3657e+01, 2.9560e-01, 1.0656e+00],  
 [4.0155e-01, 8.5543e-06, 3.5070e-02],  
 [4.7764e+01, 1.7331e-01, 2.3434e+00],  
 [3.8102e+00, 9.9562e-03, 3.7580e-01],  
 [4.2348e+01, 5.3688e-02, 2.1361e+00],  
 [2.5421e-01, 3.6197e-05, 3.1024e-02],  
 [1.2093e-01, 1.5614e-06, 1.6884e-02],  
 [5.8271e+00, 6.5623e-03, 3.4088e-01],  
 [3.7450e-01, 2.9323e-05, 5.3532e-02],  
 [3.4994e+01, 2.7286e-01, 9.2285e-01],  
 [8.2058e+01, 6.5229e-01, 2.2940e+00],  
 [7.6709e+01, 1.6621e-01, 1.5590e+00],  
 [1.3569e+00, 9.4351e-04, 1.2550e-01],  
 [6.1877e+01, 6.3485e-01, 3.2790e+00],  
 [6.1437e-04, 2.1620e-10, 9.9949e-05],  
 [1.5637e+01, 2.5636e-02, 7.3674e-01],  
 [2.4693e+01, 5.6411e-02, 6.6440e-01],  
 [3.6705e+00, 6.1467e-05, 1.8737e-01],  
 [1.2185e+02, 2.6760e+00, 4.5057e+00],  
 [3.6849e+00, 1.3865e-02, 4.1363e-01],  
 [3.8599e+00, 6.6710e-03, 2.9115e-01],  
 [7.9250e-02, 4.3638e-07, 1.0505e-02],  
 [8.9086e+01, 4.7896e-01, 2.1196e+00],  
 [9.4752e+01, 3.7254e-01, 2.7064e+00],  
 [1.6783e+00, 1.0555e-03, 2.2752e-01],  
 [4.3342e+01, 2.4078e-01, 2.0892e+00],  
 [1.0172e+01, 5.6964e-03, 3.9312e-01],  
 [1.6984e+02, 3.7194e+00, 3.1026e+00],  
 [4.9678e-01, 3.5173e-05, 4.4655e-02],  
 [1.1752e+01, 5.2219e-02, 1.0638e+00],  
 [1.6176e-01, 1.3788e-05, 1.8826e-02],

[3.3961e+01, 5.9389e-02, 9.0666e-01],  
 [4.0108e-02, 1.1302e-06, 5.6712e-03],  
 [1.8093e+00, 2.8688e-03, 1.8590e-01],  
 [1.0784e+01, 7.9174e-02, 1.1183e+00],  
 [1.2425e+01, 5.0310e-02, 5.2125e-01],  
 [1.0471e+01, 1.8340e-02, 4.2448e-01],  
 [2.9880e+00, 1.2582e-03, 1.9473e-01],  
 [8.3384e-02, 4.2057e-06, 1.1685e-02],  
 [3.9032e-01, 3.6230e-05, 4.2085e-02],  
 [1.7403e+01, 9.3330e-02, 6.7409e-01],  
 [2.5977e+01, 2.1658e-01, 1.0980e+00],  
 [3.9650e+01, 2.3083e-02, 1.4887e+00],  
 [6.8760e+01, 1.9930e-01, 1.7369e+00],  
 [7.1178e+00, 5.2418e-03, 3.1273e-01],  
 [1.5669e+02, 3.0376e+00, 4.2717e+00],  
 [2.8170e+01, 1.2774e-01, 1.1292e+00],  
 [1.0234e+01, 2.4451e-03, 3.7895e-01],  
 [7.7502e-02, 6.1950e-06, 1.0192e-02],  
 [4.5264e-01, 1.8217e-04, 5.4915e-02],  
 [3.7450e-01, 2.8730e-05, 3.8047e-02],  
 [2.1514e+00, 5.9474e-04, 1.3924e-01],  
 [4.8636e-01, 1.3746e-04, 5.3972e-02],  
 [1.2571e+01, 6.6314e-04, 4.8861e-01],  
 [1.3393e+02, 2.6945e+00, 2.9765e+00],  
 [1.0935e+00, 1.5052e-04, 1.0461e-01],  
 [1.9348e+00, 4.6398e-04, 2.0176e-01],  
 [9.7715e+01, 9.3592e-01, 4.0482e+00],  
 [2.3539e+01, 2.1816e-02, 6.7579e-01],  
 [1.2280e+00, 3.3590e-05, 7.0640e-02],  
 [1.4865e+02, 3.9891e+00, 3.5709e+00],  
 [1.0227e+00, 1.7353e-04, 5.9806e-02],  
 [1.0455e+01, 1.8748e-02, 6.9981e-01],  
 [3.2496e+00, 4.2163e-03, 1.9375e-01],  
 [1.6270e+02, 3.4771e-01, 4.6404e+00],  
 [9.1108e+00, 5.4790e-03, 5.0949e-01],  
 [9.3337e+01, 3.2333e-01, 2.5192e+00],  
 [1.6265e-01, 1.0161e-05, 1.8650e-02],  
 [5.2579e+01, 1.3103e-01, 1.9581e+00],  
 [3.8194e-01, 1.9852e-05, 4.6749e-02],  
 [3.2805e+01, 3.5264e-01, 1.0723e+00],  
 [3.2823e+01, 7.6702e-02, 1.5681e+00],  
 [2.0363e+01, 9.0164e-03, 1.1150e+00],  
 [6.0789e+00, 2.5369e-03, 3.6721e-01],  
 [1.9133e+02, 2.1826e+00, 3.3801e+00],  
 [1.4822e+00, 4.5199e-04, 9.3819e-02],  
 [4.1759e-01, 2.2378e-05, 4.9645e-02],  
 [3.5078e+01, 1.6896e-01, 1.5119e+00],  
 [2.4834e+02, 5.6958e+00, 4.7127e+00],

[2.6817e+01, 1.7529e-02, 9.4263e-01],  
[3.0564e+00, 4.4335e-03, 2.1119e-01],  
[1.1935e-01, 4.4491e-06, 1.5882e-02],  
[1.2901e+02, 1.1885e+00, 3.9381e+00],  
[1.3128e+02, 3.2694e+00, 3.6608e+00],  
[2.2039e+00, 3.5941e-03, 2.2338e-01],  
[3.4274e-01, 9.8713e-06, 3.2312e-02],  
[4.4100e+01, 9.3041e-02, 1.8542e+00],  
[5.3276e+01, 3.1315e-01, 1.1960e+00],  
[7.7235e+00, 1.0836e-02, 5.7916e-01],  
[5.8181e+01, 7.5742e-01, 2.5053e+00],  
[6.6836e+01, 2.1715e-01, 3.2629e+00],  
[8.7787e-02, 1.8021e-06, 1.1340e-02],  
[1.4297e+00, 1.2963e-03, 1.4426e-01],  
[3.3064e-01, 3.4750e-05, 2.8998e-02],  
[3.7178e-01, 7.0739e-06, 4.2186e-02],  
[9.3008e-02, 4.3439e-06, 1.1600e-02],  
[5.5582e+00, 2.9072e-03, 4.8827e-01],  
[4.9859e-01, 8.3069e-05, 5.3084e-02],  
[2.2972e+00, 3.1997e-04, 1.4667e-01],  
[1.6205e-02, 3.0150e-08, 2.3990e-03],  
[9.4952e-01, 2.5957e-04, 1.2876e-01],  
[1.6461e+00, 7.6407e-04, 1.3104e-01],  
[1.2822e+01, 1.2462e-02, 8.3994e-01],  
[8.7718e+01, 1.5216e+00, 2.9208e+00],  
[3.0057e+00, 5.3533e-03, 2.9520e-01],  
[1.5628e+02, 1.3007e+00, 3.5830e+00],  
[7.0287e-02, 3.1511e-06, 9.7607e-03],  
[6.1462e+00, 1.4167e-03, 2.2696e-01],  
[1.7779e+01, 9.0343e-02, 1.0202e+00],  
[2.7831e+01, 2.1147e-01, 1.0650e+00],  
[3.0747e-01, 5.0913e-05, 2.7398e-02],  
[4.3570e+01, 9.4647e-02, 1.4878e+00],  
[4.5800e+00, 5.7209e-03, 2.3384e-01],  
[3.1470e+01, 2.3545e-01, 1.7077e+00],  
[7.3409e+00, 9.9239e-03, 6.1650e-01],  
[1.8540e-01, 1.8665e-05, 1.9174e-02],  
[1.9641e+00, 4.9247e-04, 1.0274e-01],  
[1.0925e+01, 1.0479e-02, 9.6649e-01],  
[5.6522e+01, 5.5331e-01, 2.1715e+00],  
[1.0918e+00, 1.0789e-03, 1.4001e-01],  
[3.9974e+01, 7.7819e-02, 2.7148e+00],  
[3.3605e-02, 5.2457e-07, 5.0769e-03],  
[5.4529e+01, 5.4780e-01, 2.0127e+00],  
[2.1660e-01, 1.2920e-05, 2.4637e-02],  
[3.9654e+01, 3.7241e-02, 8.6945e-01],  
[1.3269e+00, 4.9181e-04, 9.7129e-02],  
[2.9323e+00, 4.0852e-04, 1.5028e-01],

[2.2887e-01, 3.8555e-05, 2.5398e-02],  
[5.2715e+01, 6.4006e-01, 2.3392e+00],  
[7.0932e-01, 1.8880e-05, 5.0061e-02],  
[1.9211e+02, 1.1019e+00, 4.5331e+00],  
[2.5319e+00, 1.1507e-03, 2.4380e-01],  
[7.5473e-03, 1.0126e-08, 1.2175e-03],  
[1.3879e+02, 5.7147e-01, 3.9801e+00],  
[2.3521e+01, 1.0319e-01, 8.5329e-01],  
[2.4081e+01, 1.0175e-01, 1.5348e+00],  
[2.3540e+01, 2.9938e-01, 1.5871e+00],  
[2.5646e+00, 7.3751e-04, 2.5599e-01],  
[1.2144e+01, 8.0802e-02, 8.7712e-01],  
[5.1950e-02, 5.9238e-07, 7.4791e-03],  
[1.6960e+01, 3.0144e-02, 6.0181e-01],  
[7.3898e+01, 7.6805e-01, 3.7896e+00],  
[1.2173e+01, 4.3760e-02, 5.4979e-01],  
[3.6189e-02, 9.3677e-08, 5.3752e-03],  
[5.1363e+00, 1.7254e-03, 2.9154e-01],  
[3.7263e-01, 1.5399e-05, 3.7841e-02],  
[1.6672e+02, 5.4459e+00, 4.0776e+00],  
[2.0867e+01, 2.5273e-02, 1.6310e+00],  
[3.6430e+01, 3.8016e-01, 1.6508e+00],  
[2.5823e+00, 4.8002e-04, 1.8418e-01],  
[2.6116e+01, 1.1576e-01, 1.5141e+00],  
[5.3061e+01, 5.8138e-01, 2.4573e+00],  
[1.8848e+01, 2.7420e-02, 5.8699e-01],  
[1.8705e+01, 1.0003e-01, 7.1959e-01],  
[7.6121e+01, 4.1141e-01, 1.6988e+00],  
[2.6199e-02, 7.0860e-07, 3.6312e-03],  
[4.0936e+01, 2.1317e-01, 1.2717e+00],  
[1.1205e+00, 5.7181e-04, 9.7793e-02],  
[8.2013e-02, 4.9603e-06, 1.2123e-02],  
[7.1130e+00, 4.5288e-03, 3.0208e-01],  
[1.8356e+01, 2.4534e-02, 7.0939e-01],  
[2.1251e+01, 1.4435e-01, 7.4510e-01],  
[1.5434e+00, 7.3945e-04, 1.2175e-01],  
[3.0121e+01, 3.2272e-01, 1.5645e+00],  
[3.1265e+01, 1.4165e-01, 1.2707e+00],  
[1.7449e+01, 9.2134e-02, 9.3512e-01],  
[1.7896e+01, 3.8006e-02, 6.0591e-01],  
[2.9771e+01, 8.2584e-02, 9.6704e-01],  
[1.4488e+01, 2.2676e-02, 5.4496e-01],  
[2.9136e+01, 5.2573e-02, 7.0684e-01],  
[1.2285e+01, 5.1332e-02, 5.4583e-01],  
[1.3725e+01, 6.7566e-02, 8.0401e-01],  
[4.2917e-01, 7.0749e-05, 4.1689e-02],  
[1.1546e+01, 2.5937e-02, 5.9496e-01],  
[1.0163e+02, 7.3104e-01, 2.9328e+00],

[1.0072e+02, 1.5082e+00, 3.6375e+00],  
[5.4211e-01, 4.3407e-05, 6.5585e-02],  
[3.1523e+01, 8.8286e-02, 1.8717e+00],  
[5.5197e+01, 4.0537e-01, 2.2935e+00],  
[1.1801e+00, 2.9060e-04, 1.0834e-01],  
[2.3208e+01, 5.9402e-02, 1.0902e+00],  
[6.1881e+00, 1.5156e-02, 6.4609e-01],  
[6.3807e+01, 7.2050e-01, 1.9540e+00],  
[7.8779e+00, 4.0685e-02, 7.1566e-01],  
[2.1809e-01, 8.6562e-06, 2.2533e-02],  
[6.2207e+01, 4.6742e-01, 1.9823e+00],  
[9.7073e+01, 1.7202e+00, 3.0986e+00],  
[4.0377e+00, 2.4092e-03, 3.2828e-01],  
[2.8734e-01, 1.8815e-05, 3.1509e-02],  
[6.1611e+01, 5.9571e-01, 1.6966e+00],  
[4.4145e-03, 6.0103e-09, 6.8675e-04],  
[2.4322e+00, 2.9686e-04, 1.7453e-01],  
[3.8820e+01, 1.0101e-01, 2.4900e+00],  
[1.7829e+01, 6.2307e-02, 8.9209e-01],  
[9.6690e-01, 1.7941e-04, 6.7776e-02],  
[7.4011e-03, 9.5766e-09, 1.1403e-03],  
[7.0646e-01, 2.2253e-04, 8.1563e-02],  
[1.2923e+02, 8.8973e-01, 3.4644e+00],  
[1.7900e+02, 2.1688e+00, 3.3584e+00],  
[1.3254e-01, 1.6086e-05, 1.7761e-02],  
[2.1684e+02, 2.8048e+00, 4.5925e+00],  
[7.5062e+01, 1.9406e-01, 1.5902e+00],  
[1.6762e+02, 3.6957e+00, 3.9363e+00],  
[3.4416e+01, 1.7843e-01, 1.6907e+00],  
[4.9576e-01, 1.2937e-05, 3.5156e-02],  
[8.1339e-01, 2.8098e-04, 6.7482e-02],  
[1.3024e+01, 2.9456e-02, 6.4456e-01],  
[5.8563e+01, 1.6762e+00, 3.5081e+00],  
[2.1905e+02, 4.8993e+00, 3.6832e+00],  
[5.7141e-01, 4.8900e-05, 6.0896e-02],  
[1.2097e+01, 1.3584e-02, 1.0233e+00],  
[5.8089e+01, 1.7725e-01, 1.3534e+00],  
[1.2281e+00, 8.2171e-05, 1.1713e-01],  
[8.6023e-01, 9.6334e-05, 7.1698e-02],  
[5.8069e-01, 7.7241e-05, 5.2797e-02],  
[5.5870e-01, 1.1931e-05, 5.9936e-02],  
[4.3081e-01, 7.7297e-05, 4.0068e-02],  
[3.5956e-02, 3.9862e-07, 5.3030e-03],  
[2.0647e+00, 2.0321e-03, 2.6746e-01],  
[1.3807e+00, 3.3589e-04, 9.1435e-02],  
[1.4386e+02, 1.4665e+00, 3.3659e+00],  
[4.2707e-01, 3.1341e-05, 4.6462e-02],  
[1.9448e+00, 1.2759e-03, 2.0405e-01],

```

[8.1564e+01, 1.5642e+00, 1.9900e+00],
[1.3153e+02, 3.8377e-01, 3.7325e+00],
[6.0857e-02, 1.0757e-06, 8.1628e-03],
[5.7282e+01, 2.3376e-01, 1.4133e+00],
[1.4588e+01, 1.8194e-02, 6.8881e-01],
[9.5843e-01, 1.7165e-04, 1.1354e-01],
[5.6477e-02, 3.2494e-07, 8.2552e-03],
[2.4885e+02, 6.6653e+00, 5.0170e+00],
[2.7772e+01, 2.1811e-01, 9.6058e-01],
[9.0740e+00, 1.7178e-02, 4.2418e-01],
[1.1486e+02, 2.2033e+00, 2.2083e+00],
[2.1621e+01, 8.9464e-02, 7.0835e-01],
[7.7362e+01, 6.5073e-01, 1.4041e+00],
[1.7670e+01, 1.3334e-01, 1.5559e+00],
[1.4181e+01, 2.8814e-02, 5.6977e-01],
[1.6766e-01, 7.9363e-06, 1.8001e-02],
[3.3043e+01, 8.9895e-02, 1.8367e+00],
[1.3740e+01, 4.5123e-02, 9.8327e-01],
[1.4278e+01, 1.0821e-01, 1.3639e+00],
[5.0794e+01, 3.6702e-01, 1.1216e+00]], dtype=torch.float64)
Iteration: 1
Inputs: tensor([[1.2867e+18, 3.9016e+02, 6.1016e+00, 7.7560e+00],
[4.5112e+20, 3.7442e+01, 1.4957e+01, 2.5382e+00],
[2.4778e+20, 4.9065e+02, 1.5590e+01, 7.8816e+00],
...,
[1.6849e+19, 4.6939e+01, 1.9664e+01, 8.6683e+00],
[4.9275e+19, 2.0197e+02, 1.0201e+01, 2.0892e+00],
[5.1496e+20, 2.1443e+02, 1.3311e+01, 9.9160e+00]], dtype=torch.float64)
Target: tensor([[3.9896e-01, 3.5298e-05, 3.2502e-02],
[2.2959e+00, 1.7036e-03, 3.0767e-01],
[9.5371e+01, 1.9205e+00, 2.3729e+00],
[3.5116e-01, 5.4967e-05, 4.0168e-02],
[4.9312e+01, 2.7365e-01, 2.0458e+00],
[8.5075e+01, 5.6769e-01, 1.8114e+00],
[4.2594e+00, 2.2076e-02, 5.0376e-01],
[3.9725e+00, 4.7888e-04, 5.1019e-01],
[1.8143e+01, 1.7662e-02, 1.2443e+00],
[6.5574e-01, 3.2206e-04, 6.7225e-02],
[9.7754e+00, 2.1939e-02, 4.5444e-01],
[1.4231e+01, 8.1748e-02, 7.7925e-01],
[2.6056e+02, 5.9710e+00, 4.9221e+00],
[2.0900e+01, 1.4455e-01, 8.2889e-01],
[9.2014e+00, 3.7737e-02, 8.3076e-01],
[3.3108e-01, 6.9386e-05, 3.0968e-02],
[3.1494e+00, 2.3877e-03, 1.6874e-01],
[1.9900e-01, 2.7541e-06, 2.6398e-02],
[7.7594e-01, 2.5725e-04, 6.4052e-02],
[6.4774e-01, 3.4685e-05, 7.0026e-02],

```

[5.4740e+00, 4.5746e-04, 2.4767e-01],  
 [6.3606e+01, 1.4630e+00, 3.1268e+00],  
 [1.1741e+02, 6.7209e-01, 4.2586e+00],  
 [4.7181e+00, 6.7987e-04, 2.3376e-01],  
 [5.9238e+00, 2.1667e-03, 3.5198e-01],  
 [2.2906e+00, 3.3737e-03, 1.9248e-01],  
 [2.1062e+02, 6.4850e+00, 4.6763e+00],  
 [5.1630e+01, 9.8602e-02, 1.5697e+00],  
 [2.4406e-01, 4.8576e-05, 3.0476e-02],  
 [1.1139e+00, 6.6791e-05, 7.2982e-02],  
 [7.5321e+01, 2.3178e-01, 1.7603e+00],  
 [1.4877e+01, 5.0378e-02, 1.1825e+00],  
 [1.5911e+02, 1.4985e-01, 2.9678e+00],  
 [1.0592e-01, 6.3286e-06, 1.4579e-02],  
 [2.0882e-01, 1.9574e-05, 2.5891e-02],  
 [9.6883e+01, 1.5790e+00, 3.2728e+00],  
 [1.1713e-01, 2.9077e-06, 1.5320e-02],  
 [5.7507e-01, 3.4504e-04, 7.4742e-02],  
 [5.1142e-02, 4.6852e-07, 7.8027e-03],  
 [8.6182e+01, 3.5375e-01, 2.0053e+00],  
 [2.1778e-01, 1.5456e-05, 3.3777e-02],  
 [4.3188e-01, 1.6028e-04, 5.6556e-02],  
 [5.7351e+01, 6.8607e-01, 2.4909e+00],  
 [2.6485e+01, 2.3875e-01, 1.1148e+00],  
 [2.9911e+01, 5.8887e-02, 2.1401e+00],  
 [2.1862e+01, 8.0542e-02, 1.1763e+00],  
 [1.2304e+02, 4.0638e+00, 3.7809e+00],  
 [5.8698e+01, 3.3758e-01, 2.8410e+00],  
 [4.8079e+00, 2.2853e-03, 2.3844e-01],  
 [2.0445e+01, 7.5234e-02, 6.2260e-01],  
 [3.9211e-01, 2.7528e-05, 4.0547e-02],  
 [1.0852e+02, 2.6333e+00, 2.5785e+00],  
 [1.2935e+00, 1.9967e-04, 1.2239e-01],  
 [2.8313e-02, 3.4561e-07, 4.0484e-03],  
 [1.4276e+00, 1.8354e-03, 1.7578e-01],  
 [2.7546e+01, 4.0502e-01, 1.7134e+00],  
 [1.5656e+01, 2.9409e-02, 9.3843e-01],  
 [3.3680e-01, 5.3191e-05, 3.8537e-02],  
 [1.3890e+02, 2.4700e+00, 2.8815e+00],  
 [6.3151e+01, 5.9442e-01, 1.3941e+00],  
 [2.1201e+00, 3.8852e-03, 1.9250e-01],  
 [6.1216e+01, 3.3753e-01, 2.7904e+00],  
 [2.1014e+01, 1.2935e-01, 8.0370e-01],  
 [1.7038e-01, 2.0078e-06, 2.0688e-02],  
 [8.2409e+01, 1.0459e-01, 2.0301e+00],  
 [4.1971e-01, 5.2359e-05, 4.2339e-02],  
 [4.1036e+01, 2.3511e-01, 1.0436e+00],  
 [3.0411e-01, 3.5934e-05, 3.8608e-02],



[6.0551e-01, 5.1049e-06, 5.3799e-02],  
[1.1117e+02, 1.0709e+00, 3.6398e+00],  
[1.1430e+01, 3.0639e-02, 4.9315e-01],  
[1.3499e+02, 2.4806e+00, 4.0261e+00],  
[2.5128e+01, 2.8335e-01, 1.1222e+00],  
[4.3761e-02, 1.3065e-07, 6.0512e-03],  
[7.6057e-02, 2.7089e-06, 1.0243e-02],  
[1.7726e-01, 2.1397e-05, 1.9276e-02],  
[8.2314e+01, 5.5003e-01, 3.2261e+00],  
[5.5324e+00, 6.6484e-03, 3.6265e-01],  
[1.6757e+01, 4.5531e-02, 6.6029e-01],  
[1.3988e+02, 1.7689e+00, 2.8140e+00],  
[1.4541e-01, 9.7944e-07, 1.9223e-02],  
[3.8153e+00, 2.9981e-03, 2.7088e-01],  
[8.1300e+00, 5.8173e-03, 5.7081e-01],  
[2.7526e+00, 4.7314e-03, 2.3961e-01],  
[2.6938e+00, 1.6673e-03, 1.7145e-01],  
[4.3135e+00, 1.1222e-03, 2.5933e-01],  
[1.9286e+01, 4.0152e-02, 1.0418e+00],  
[1.2642e+01, 3.2433e-02, 5.0063e-01],  
[2.0114e-01, 4.6373e-05, 2.6069e-02],  
[3.3180e-01, 1.0938e-05, 3.9216e-02],  
[2.0263e+00, 8.0731e-05, 1.8071e-01],  
[4.0204e-01, 1.0238e-04, 4.2442e-02],  
[4.9844e-01, 7.0943e-05, 5.2342e-02],  
[5.9894e+00, 3.9128e-03, 3.2027e-01],  
[1.2785e-01, 3.1348e-07, 1.5753e-02],  
[2.7954e+00, 1.7259e-03, 1.7329e-01],  
[2.5649e-01, 4.5975e-05, 3.0494e-02],  
[3.9069e+01, 4.4931e-01, 1.4098e+00],  
[3.1141e-01, 3.1554e-05, 3.0079e-02],  
[6.8800e-02, 1.6433e-07, 9.5520e-03],  
[6.2167e-01, 8.5345e-05, 6.3105e-02],  
[6.2277e-01, 3.7027e-05, 6.6452e-02],  
[2.1398e-01, 1.6726e-05, 2.3181e-02],  
[2.2239e-01, 3.7824e-05, 2.1562e-02],  
[6.0866e+00, 1.5654e-03, 3.7520e-01],  
[4.9253e+01, 1.9231e-01, 1.8929e+00],  
[3.6316e+01, 1.4023e-01, 8.2599e-01],  
[8.1556e+00, 7.7034e-03, 3.3190e-01],  
[2.9734e-01, 3.1012e-05, 3.5851e-02],  
[2.8786e-02, 3.8509e-07, 4.3474e-03],  
[6.0277e+01, 1.6141e-01, 2.1271e+00],  
[3.6198e+01, 4.6727e-02, 2.7036e+00],  
[1.3446e+01, 2.7144e-02, 6.3445e-01],  
[6.1276e-01, 8.2618e-05, 6.0404e-02],  
[1.1414e+00, 3.1536e-04, 1.2880e-01],  
[3.3661e-02, 8.7771e-08, 4.7703e-03],

[1.0950e+02, 1.1507e+00, 2.0311e+00],  
[6.9326e-01, 1.1327e-04, 9.7105e-02],  
[1.8267e+02, 5.6821e+00, 4.4841e+00],  
[7.2482e+01, 5.7635e-01, 2.5170e+00],  
[5.9805e-01, 4.8818e-05, 7.0081e-02],  
[7.0802e+01, 1.0147e+00, 2.2842e+00],  
[8.1909e+01, 1.5702e+00, 3.2716e+00],  
[1.0911e-01, 3.6670e-06, 1.6967e-02],  
[3.8519e-01, 2.7485e-05, 4.0215e-02],  
[3.8659e-01, 2.2119e-05, 5.2747e-02],  
[4.5455e+01, 1.0888e-01, 1.1599e+00],  
[1.1429e+01, 2.0747e-02, 6.4100e-01],  
[3.5002e+01, 9.4202e-02, 2.3079e+00],  
[2.0960e+02, 6.2652e-01, 4.4981e+00],  
[4.0183e-02, 6.4046e-07, 5.3912e-03],  
[2.1837e+01, 5.1757e-03, 1.4671e+00],  
[5.9063e-01, 1.8738e-04, 4.9004e-02],  
[1.7162e-01, 3.7946e-05, 2.4858e-02],  
[1.6658e+01, 4.0986e-02, 8.3665e-01],  
[1.3648e+00, 5.1077e-04, 1.1843e-01],  
[2.7865e+02, 9.2090e-01, 4.1464e+00],  
[1.4493e+00, 6.9858e-04, 1.2983e-01],  
[2.9867e+01, 8.1370e-02, 1.4191e+00],  
[1.9391e+01, 2.2468e-01, 1.4640e+00],  
[5.5322e+01, 1.0227e-01, 1.6338e+00],  
[1.3117e+01, 1.8765e-01, 1.3769e+00],  
[2.8188e-02, 2.3229e-07, 4.2500e-03],  
[3.3304e+00, 1.5181e-03, 2.3112e-01],  
[5.7314e-01, 1.3529e-04, 7.4428e-02],  
[3.5033e+01, 1.9780e-01, 1.0013e+00],  
[1.8530e+01, 3.5829e-02, 7.8271e-01],  
[1.3292e+02, 2.0778e+00, 3.4457e+00],  
[1.6827e+02, 3.6102e+00, 3.4778e+00],  
[1.1139e+02, 1.5480e+00, 2.8649e+00],  
[9.8585e-01, 2.7546e-04, 1.0539e-01],  
[5.6007e-01, 2.8859e-04, 6.7341e-02],  
[9.1058e-01, 2.6306e-04, 8.0691e-02],  
[3.4990e-02, 4.2372e-07, 4.7047e-03],  
[1.8514e+01, 1.6003e-01, 9.1668e-01],  
[6.2500e+01, 7.4006e-01, 2.0117e+00],  
[3.0088e-01, 6.2953e-05, 3.2159e-02],  
[5.8301e-01, 7.1085e-05, 4.7358e-02],  
[4.9203e-02, 6.2457e-07, 6.6244e-03],  
[1.7315e-03, 1.1145e-09, 2.7839e-04],  
[6.2126e+01, 7.3628e-01, 3.1593e+00],  
[1.1977e+00, 3.3336e-04, 7.9550e-02],  
[1.1186e+00, 1.2112e-04, 1.1080e-01],  
[4.6015e+01, 1.5569e-01, 9.5133e-01],

[6.9150e+01, 4.0168e-01, 1.8629e+00],  
[1.5110e+02, 9.8707e-01, 3.7068e+00],  
[1.6782e+01, 9.6403e-02, 8.2710e-01],  
[3.8828e+01, 3.6829e-01, 1.1838e+00],  
[2.0621e-01, 3.1602e-05, 2.2329e-02],  
[5.0648e+01, 3.9353e-01, 2.9692e+00],  
[2.1152e+01, 6.3998e-02, 8.7619e-01],  
[3.8788e-01, 4.4053e-05, 5.2114e-02],  
[2.9118e+01, 5.7185e-02, 1.3356e+00],  
[5.2955e+01, 2.6589e-01, 2.1584e+00],  
[1.7595e+02, 7.9650e+00, 4.3271e+00],  
[2.2832e+02, 3.5751e+00, 3.7915e+00],  
[5.8297e-02, 3.0969e-07, 7.4163e-03],  
[9.9504e+00, 9.1605e-03, 1.0956e+00],  
[3.9698e+01, 6.6633e-02, 1.7313e+00],  
[7.8807e-02, 7.7136e-06, 1.0973e-02],  
[1.9946e-01, 1.5730e-05, 2.3773e-02],  
[2.7694e-01, 2.4279e-05, 3.4304e-02],  
[6.8974e-01, 9.7075e-05, 8.6449e-02],  
[1.9596e+00, 3.3938e-04, 1.7208e-01],  
[8.4824e+00, 2.3133e-03, 4.6029e-01],  
[1.8941e-01, 9.2576e-06, 2.1607e-02],  
[1.3309e+01, 2.0440e-03, 4.3176e-01],  
[3.3316e+01, 2.4900e-01, 1.6954e+00],  
[1.2982e+02, 3.0795e+00, 4.0502e+00],  
[1.9615e-01, 1.8181e-06, 2.4667e-02],  
[2.3746e+01, 1.8124e-01, 9.1254e-01],  
[2.6937e-01, 4.3330e-05, 3.2072e-02],  
[1.6536e+01, 3.1477e-02, 5.9927e-01],  
[3.3859e+01, 3.4278e-02, 1.8085e+00],  
[2.6983e+01, 2.0514e-02, 1.9091e+00],  
[2.2263e+02, 3.9996e+00, 3.7550e+00],  
[1.6732e+00, 3.8503e-04, 1.2533e-01],  
[4.3013e+00, 1.5360e-03, 2.1074e-01],  
[1.0193e+02, 1.4265e+00, 4.0171e+00],  
[1.8471e+01, 1.9514e-01, 1.0559e+00],  
[5.3459e+01, 3.8064e-01, 2.4103e+00],  
[2.1623e-02, 2.4603e-07, 3.2471e-03],  
[1.7040e+00, 2.3549e-03, 1.7279e-01],  
[9.0419e-01, 4.9792e-04, 1.1929e-01],  
[6.0796e-01, 2.9851e-05, 6.3261e-02],  
[1.3136e+00, 2.6503e-04, 1.0303e-01],  
[1.0416e-01, 6.3385e-06, 1.3543e-02],  
[1.9854e-03, 7.3598e-10, 3.2416e-04],  
[1.6218e+00, 3.5275e-04, 1.5805e-01],  
[7.7168e-01, 3.7678e-05, 9.0976e-02],  
[1.2820e+01, 7.8488e-02, 6.6897e-01],  
[1.1009e+00, 1.3640e-04, 1.0051e-01],

[2.2286e-01, 7.8888e-06, 3.0566e-02],  
[6.9033e+01, 1.3763e-01, 3.3009e+00],  
[8.9681e-02, 5.7369e-06, 1.1815e-02],  
[2.5101e+02, 5.4484e+00, 4.4832e+00],  
[1.3621e+01, 1.4983e-02, 6.3337e-01],  
[1.6178e+01, 3.0305e-02, 1.6081e+00],  
[9.7509e+00, 1.9270e-02, 5.2187e-01],  
[1.4546e+01, 1.0580e-02, 8.8249e-01],  
[1.0375e+02, 1.1477e+00, 3.1371e+00],  
[1.3672e-01, 4.8617e-06, 1.6118e-02],  
[7.9107e+01, 1.9521e-01, 2.1678e+00],  
[6.9992e+00, 6.5002e-03, 3.8900e-01],  
[8.0889e-01, 3.6085e-04, 7.6845e-02],  
[8.9482e+01, 1.3873e+00, 2.3984e+00],  
[4.2799e-02, 1.4618e-06, 5.8590e-03],  
[9.9924e+01, 1.0948e+00, 2.4450e+00],  
[1.5493e+02, 2.7847e+00, 4.0412e+00],  
[2.9542e+00, 1.9805e-03, 2.0067e-01],  
[1.0296e+02, 1.4524e+00, 3.3928e+00],  
[6.1091e+00, 6.7320e-03, 4.7492e-01],  
[5.7362e+01, 3.0297e-01, 1.3538e+00],  
[1.0518e-01, 4.3487e-06, 1.3590e-02],  
[1.1822e-01, 2.2889e-06, 1.3718e-02],  
[2.3542e+01, 7.0233e-02, 1.4733e+00],  
[4.6260e-01, 6.3396e-05, 4.3536e-02],  
[7.8414e-03, 1.5292e-08, 1.2524e-03],  
[5.0321e+01, 2.2082e-01, 1.0377e+00],  
[9.2332e+00, 1.3586e-02, 3.8738e-01],  
[6.1192e+01, 8.4487e-02, 2.5466e+00],  
[1.1129e+00, 4.8556e-04, 8.6503e-02],  
[9.2247e+01, 1.3521e+00, 3.2465e+00],  
[2.3794e+01, 6.9830e-02, 7.0087e-01],  
[7.5136e-01, 1.3656e-05, 6.5181e-02],  
[8.0076e-01, 1.6454e-04, 7.5787e-02],  
[1.7853e+00, 8.3495e-04, 1.5855e-01],  
[4.5841e+01, 2.7094e-01, 1.1750e+00],  
[7.9187e+01, 3.6818e-01, 3.6937e+00],  
[8.6972e-01, 1.0147e-04, 1.0907e-01],  
[4.8930e+00, 6.3623e-03, 2.9234e-01],  
[1.0227e+00, 1.8489e-04, 1.4590e-01],  
[1.1137e+02, 2.0516e+00, 3.4926e+00],  
[1.0023e+00, 4.4650e-05, 6.2018e-02],  
[7.6371e+00, 8.1849e-03, 3.2862e-01],  
[4.6220e-01, 5.6909e-05, 4.0892e-02],  
[1.0006e+02, 4.9953e-01, 2.7733e+00],  
[2.8178e+01, 6.8770e-02, 1.5430e+00],  
[4.3148e+00, 4.0674e-04, 1.7434e-01],  
[1.0923e-01, 8.7638e-06, 1.4443e-02],

[1.2900e+01, 4.2372e-02, 1.0743e+00],  
 [2.7136e+01, 7.8731e-02, 1.1382e+00],  
 [3.3624e-01, 9.4571e-06, 3.0278e-02],  
 [2.9600e+00, 2.9976e-03, 1.9512e-01],  
 [6.5092e-01, 9.2989e-05, 7.9894e-02],  
 [9.7808e+00, 3.7944e-03, 3.7523e-01],  
 [1.8588e+01, 3.5578e-02, 1.0672e+00],  
 [1.8867e+01, 3.7464e-02, 6.9128e-01],  
 [7.4306e+00, 1.8531e-02, 3.6485e-01],  
 [6.3944e+00, 1.4221e-02, 3.4874e-01],  
 [1.1970e+02, 4.5064e-02, 3.4383e+00],  
 [3.3483e+01, 3.4279e-01, 1.7045e+00],  
 [1.1224e+02, 5.9498e-01, 4.4293e+00],  
 [1.5585e+02, 7.1440e-01, 2.8583e+00],  
 [8.5295e-02, 1.0424e-06, 1.0135e-02],  
 [2.0373e+00, 5.4174e-04, 1.8482e-01],  
 [1.9852e+01, 1.9654e-01, 8.8621e-01],  
 [1.8756e+00, 6.7308e-04, 1.4757e-01],  
 [1.2658e+00, 1.0623e-04, 7.5021e-02],  
 [1.7329e+02, 3.1019e+00, 3.6485e+00],  
 [8.9923e+00, 3.2576e-03, 3.9772e-01],  
 [1.4842e-01, 8.3636e-06, 1.6206e-02],  
 [9.6255e-01, 1.5525e-04, 1.4208e-01],  
 [3.3954e-01, 1.3151e-05, 2.8367e-02],  
 [1.2327e+02, 1.1790e+00, 4.0745e+00],  
 [2.3869e+01, 4.8928e-02, 7.6062e-01],  
 [3.1563e+01, 8.2243e-02, 1.6776e+00],  
 [1.7361e+00, 3.4079e-04, 9.3029e-02],  
 [3.8444e+00, 1.0480e-03, 1.8275e-01],  
 [4.6483e+01, 3.4277e-01, 1.9397e+00],  
 [1.5179e+02, 1.1586e+00, 4.1729e+00],  
 [1.4418e-02, 3.1355e-07, 2.2681e-03],  
 [2.7786e-01, 1.8100e-05, 3.0498e-02],  
 [3.5568e+00, 2.1205e-03, 3.1616e-01],  
 [7.1438e+01, 3.0784e-01, 2.5157e+00],  
 [1.5730e-03, 1.1759e-09, 2.5569e-04],  
 [2.7291e+00, 1.0725e-03, 1.5214e-01],  
 [2.5894e+00, 6.8403e-04, 2.1895e-01],  
 [6.6682e-02, 1.3694e-06, 9.2737e-03],  
 [1.3394e+01, 8.8350e-02, 8.6204e-01],  
 [4.4292e+01, 2.6400e-01, 1.3473e+00],  
 [1.2392e-01, 1.3079e-05, 1.5253e-02],  
 [1.2666e+01, 3.4435e-02, 5.9130e-01],  
 [2.0318e+01, 8.9118e-03, 1.0753e+00],  
 [1.0492e+02, 5.1071e-01, 2.9398e+00],  
 [2.3627e+02, 4.5693e+00, 3.6602e+00],  
 [3.0916e-01, 6.2717e-05, 3.0867e-02],  
 [8.0275e+01, 7.0309e-01, 1.5490e+00],

```

[1.0869e+00, 6.1844e-05, 1.0841e-01],
[1.2277e+01, 6.1476e-03, 1.0112e+00],
[2.5987e+01, 6.8030e-02, 7.3686e-01],
[1.2419e+00, 2.5859e-04, 9.4044e-02],
[1.3421e+01, 2.8221e-02, 5.5265e-01],
[2.0573e+02, 4.2338e+00, 3.3900e+00],
[9.9656e-02, 5.9528e-06, 1.3864e-02],
[1.5055e-01, 6.6544e-06, 1.8761e-02],
[3.5296e+01, 2.3010e-01, 1.0665e+00],
[2.4116e-01, 9.6141e-05, 3.3466e-02],
[5.9037e+00, 2.9030e-03, 4.7971e-01],
[1.0535e+02, 3.2024e+00, 3.3610e+00]], dtype=torch.float64)
Iteration: 2
Inputs: tensor([[1.7891e+18, 4.5441e+02, 3.6488e+00, 1.9167e+00],
               [3.4115e+20, 3.8103e+02, 4.6326e+00, 1.2179e+00],
               [1.0186e+20, 1.6778e+02, 1.1149e+01, 5.2335e+00],
               ...,
               [6.0786e+18, 3.8874e+02, 1.0035e+01, 9.6757e+00],
               [2.6644e+19, 4.3758e+02, 8.8707e+00, 4.7991e+00],
               [1.8092e+18, 8.1637e+01, 1.0383e+00, 5.0964e+00]], dtype=torch.float64)
Target: tensor([[4.1453e-01, 4.2520e-06, 3.7073e-02],
               [7.1065e+01, 4.8949e-02, 2.5979e+00],
               [1.9610e+01, 6.8264e-02, 1.0899e+00],
               [4.7442e+01, 2.0330e-01, 1.5520e+00],
               [4.7717e-01, 1.0197e-04, 4.1515e-02],
               [2.0973e+01, 6.4610e-03, 9.0988e-01],
               [4.0929e+00, 7.2966e-03, 2.9381e-01],
               [6.5400e+01, 7.7087e-01, 1.9171e+00],
               [3.9671e-01, 7.1434e-05, 3.7327e-02],
               [9.7758e+00, 8.5576e-03, 8.2142e-01],
               [1.3001e+02, 1.4819e+00, 2.6676e+00],
               [4.4362e+01, 3.0065e-02, 1.3068e+00],
               [1.5296e+02, 1.6683e+00, 3.3806e+00],
               [1.9409e+00, 8.9476e-04, 1.3262e-01],
               [1.1506e-01, 1.2761e-06, 1.4759e-02],
               [2.8988e+00, 3.1796e-03, 3.9449e-01],
               [7.6950e-02, 2.6609e-06, 9.9017e-03],
               [2.7920e+01, 1.6444e-01, 1.3815e+00],
               [1.1404e-02, 9.3358e-08, 1.7098e-03],
               [3.8572e+00, 1.5228e-03, 2.9204e-01],
               [3.2106e-01, 3.2760e-05, 3.5827e-02],
               [1.2401e-01, 2.7328e-06, 1.7524e-02],
               [3.3800e+01, 8.9392e-02, 1.2387e+00],
               [3.3915e+01, 1.5472e-01, 1.7959e+00],
               [5.4436e-01, 8.7561e-05, 4.4215e-02],
               [3.4181e-01, 3.8413e-06, 3.3318e-02],
               [8.9196e+01, 1.9410e+00, 3.7029e+00],
               [6.2691e+00, 4.4723e-03, 2.9685e-01],

```

[7.0928e-01, 1.0568e-04, 7.8415e-02],  
 [1.9331e-01, 2.6839e-05, 2.7486e-02],  
 [1.3662e+02, 4.0952e+00, 4.2603e+00],  
 [4.2981e+01, 2.5831e-01, 2.3622e+00],  
 [1.6374e+02, 3.8328e+00, 3.3765e+00],  
 [5.1060e+00, 1.0402e-02, 3.4206e-01],  
 [7.2055e+01, 6.1090e-01, 1.8928e+00],  
 [3.6566e+00, 3.3633e-03, 1.9617e-01],  
 [9.2215e+00, 4.6119e-03, 4.2122e-01],  
 [1.9006e+01, 5.3938e-02, 1.2822e+00],  
 [7.1074e+01, 2.4935e-01, 1.8420e+00],  
 [2.9934e+01, 2.4559e-01, 1.8345e+00],  
 [1.8060e+00, 2.8206e-04, 2.0422e-01],  
 [8.2299e+01, 2.2856e-01, 3.2282e+00],  
 [6.5053e-02, 1.0223e-06, 8.8644e-03],  
 [3.6238e-03, 5.4376e-09, 5.8657e-04],  
 [1.0978e-01, 1.1691e-05, 1.4508e-02],  
 [4.0530e+01, 1.6546e-01, 1.0354e+00],  
 [5.0470e+01, 2.2891e-01, 1.5896e+00],  
 [1.0933e+00, 5.0384e-05, 1.0074e-01],  
 [2.2700e+01, 1.5275e-01, 8.2376e-01],  
 [1.5688e-01, 1.0966e-05, 2.0804e-02],  
 [3.1266e+00, 2.1797e-04, 2.2400e-01],  
 [2.9265e+01, 3.1863e-02, 8.7400e-01],  
 [1.0008e+01, 2.1287e-03, 3.9500e-01],  
 [1.0426e+00, 2.1853e-04, 9.3692e-02],  
 [2.1851e+00, 1.1745e-03, 2.2059e-01],  
 [1.7837e-01, 2.2572e-06, 2.2482e-02],  
 [5.6386e+00, 7.1800e-03, 2.7386e-01],  
 [5.5639e+01, 6.0143e-01, 2.4054e+00],  
 [8.8063e+00, 1.0797e-02, 3.3330e-01],  
 [5.6339e-01, 4.5241e-05, 6.0792e-02],  
 [4.6579e+01, 4.5334e-01, 1.5217e+00],  
 [1.3967e+01, 1.6026e-03, 5.4276e-01],  
 [7.2951e+00, 1.4197e-02, 3.5798e-01],  
 [2.9580e+00, 1.4184e-03, 2.1946e-01],  
 [1.4057e+02, 1.7367e+00, 4.5801e+00],  
 [5.6649e-01, 2.2960e-05, 6.0790e-02],  
 [1.7075e+00, 3.3338e-04, 9.4859e-02],  
 [3.6190e+01, 4.3598e-01, 1.3679e+00],  
 [1.4691e+01, 1.3302e-02, 6.9119e-01],  
 [4.8266e-02, 3.2299e-06, 6.8256e-03],  
 [1.0724e+00, 4.3914e-04, 8.8202e-02],  
 [1.8222e+02, 3.9913e+00, 3.6771e+00],  
 [1.0056e-01, 3.6618e-06, 1.1837e-02],  
 [1.7769e+01, 4.2656e-02, 1.4029e+00],  
 [5.2408e-01, 5.4825e-05, 7.4392e-02],  
 [6.3558e+01, 3.7482e-02, 1.7015e+00],

[7.9252e-01, 8.6620e-05, 8.4099e-02],  
[2.0373e-03, 7.2225e-09, 3.2669e-04],  
[1.7319e+00, 1.8501e-03, 1.7502e-01],  
[6.4200e+00, 1.8025e-02, 3.7691e-01],  
[4.4557e+00, 4.3022e-03, 3.7975e-01],  
[5.9213e-02, 2.8206e-06, 8.0497e-03],  
[5.4545e-01, 9.5490e-05, 4.3748e-02],  
[1.9467e-01, 6.0526e-06, 2.5422e-02],  
[3.3468e+00, 1.8252e-03, 1.6296e-01],  
[2.4770e+00, 3.4381e-04, 1.3983e-01],  
[8.3778e-03, 1.0590e-08, 1.3352e-03],  
[1.0177e+02, 7.5741e-01, 2.4694e+00],  
[1.6480e+01, 2.1665e-02, 6.4884e-01],  
[8.5169e+01, 1.0613e+00, 2.7272e+00],  
[6.9717e+00, 7.3541e-03, 4.7529e-01],  
[9.0580e+00, 3.9840e-02, 5.3252e-01],  
[2.4521e+02, 9.7762e+00, 4.8277e+00],  
[1.8840e+00, 2.2795e-03, 1.7890e-01],  
[1.3511e+01, 1.2242e-03, 4.5404e-01],  
[4.5815e+01, 7.9668e-01, 1.3765e+00],  
[8.9563e-01, 2.1446e-04, 8.4842e-02],  
[1.2545e+02, 7.6762e-01, 3.3347e+00],  
[6.5959e-01, 2.8480e-04, 6.5109e-02],  
[8.0544e+01, 2.7295e-01, 2.1905e+00],  
[7.1754e-01, 1.1270e-04, 4.7175e-02],  
[4.6367e+00, 3.0619e-03, 2.6479e-01],  
[1.1526e+01, 1.0515e-02, 7.3065e-01],  
[5.5476e+01, 4.9737e-01, 1.8390e+00],  
[9.3871e+00, 2.1233e-03, 6.6211e-01],  
[5.1310e+01, 1.2916e-01, 1.4540e+00],  
[7.3852e-02, 1.9339e-06, 9.9809e-03],  
[1.1635e-02, 3.2907e-08, 1.7352e-03],  
[2.0073e+01, 5.3787e-02, 7.4763e-01],  
[3.6073e-02, 2.6358e-07, 5.2147e-03],  
[1.0685e+01, 1.0873e-02, 6.3562e-01],  
[1.5794e+01, 2.2067e-02, 7.4088e-01],  
[1.7208e+01, 5.7564e-02, 7.5226e-01],  
[4.0710e-01, 1.1403e-04, 4.4565e-02],  
[2.5674e+01, 6.7951e-03, 8.6066e-01],  
[4.7944e+01, 4.9548e-01, 2.1739e+00],  
[2.2958e+00, 2.8380e-04, 2.0005e-01],  
[1.5085e-01, 6.5704e-06, 1.8590e-02],  
[4.0391e+01, 3.9959e-01, 1.3663e+00],  
[1.0642e-02, 1.8201e-07, 1.6157e-03],  
[1.8402e+02, 2.7246e+00, 3.1375e+00],  
[1.3544e+00, 7.1062e-05, 9.7258e-02],  
[1.3685e+00, 1.5081e-04, 1.6270e-01],  
[4.1300e+00, 4.2751e-03, 3.2274e-01],



[8.8640e+01, 1.5149e+00, 2.3814e+00],  
[7.3922e-02, 2.0836e-06, 1.0252e-02],  
[5.5627e+01, 5.8061e-01, 1.3283e+00],  
[1.8132e+01, 6.9962e-02, 1.0509e+00],  
[3.2256e+00, 8.4411e-04, 2.3158e-01],  
[1.4831e+01, 2.0023e-02, 5.1391e-01],  
[6.7333e-01, 2.6215e-05, 4.2417e-02],  
[9.9695e+01, 8.2638e-02, 2.2786e+00],  
[4.0210e-01, 1.2994e-05, 4.9577e-02],  
[5.3659e+01, 2.6383e-01, 1.5616e+00],  
[7.9425e+00, 8.8595e-03, 5.0956e-01],  
[8.4573e+00, 8.0483e-03, 6.5097e-01],  
[3.0448e+00, 1.8518e-03, 1.6425e-01],  
[1.6025e+02, 1.7882e+00, 2.8115e+00],  
[5.3373e+01, 1.0007e+00, 2.3686e+00],  
[1.5711e+02, 5.8007e+00, 3.7457e+00],  
[4.9997e+01, 4.7997e-01, 2.0190e+00],  
[4.4993e+01, 4.9619e-01, 1.8292e+00],  
[7.3451e+01, 1.9330e-01, 1.9602e+00],  
[8.5440e+00, 4.3811e-03, 4.3426e-01],  
[8.9463e+00, 3.4178e-02, 6.5412e-01],  
[2.4368e+00, 6.6973e-04, 2.3103e-01],  
[1.9755e+02, 3.9546e-01, 4.8655e+00],  
[2.1971e+00, 1.7287e-03, 1.5915e-01],  
[9.9609e+01, 1.0591e+00, 2.3876e+00],  
[2.6330e-01, 1.1461e-05, 2.6661e-02],  
[7.0934e-02, 3.4578e-06, 8.8395e-03],  
[2.3300e+02, 5.8603e+00, 4.0766e+00],  
[1.5282e-02, 6.7880e-08, 2.2921e-03],  
[1.0502e+01, 4.9364e-02, 5.7977e-01],  
[1.1026e+00, 1.0609e-04, 1.1866e-01],  
[4.0859e-03, 9.4849e-09, 6.4510e-04],  
[1.9237e+01, 1.5519e-02, 1.1211e+00],  
[1.8272e-01, 1.7752e-05, 1.8659e-02],  
[8.7308e+01, 8.0996e-01, 1.8250e+00],  
[6.1089e+01, 1.6436e+00, 2.5240e+00],  
[3.0419e+01, 4.6513e-03, 8.2888e-01],  
[6.7182e+00, 8.7919e-03, 6.9081e-01],  
[1.6077e-02, 6.5252e-08, 2.3611e-03],  
[3.3283e-01, 6.2004e-06, 3.9610e-02],  
[1.2064e+02, 2.1119e+00, 4.1582e+00],  
[2.6242e+01, 1.0060e-01, 1.9477e+00],  
[9.2908e+01, 7.1466e-01, 3.0014e+00],  
[6.1048e-01, 6.4922e-05, 3.9537e-02],  
[9.8694e-02, 1.2265e-06, 1.3817e-02],  
[1.3014e+00, 1.4600e-03, 1.4519e-01],  
[3.5564e+00, 1.0698e-03, 1.5834e-01],  
[4.9643e+01, 4.3121e-01, 1.5825e+00],

[8.9747e+00, 7.6130e-04, 3.4024e-01],  
 [7.6320e+01, 8.5091e-01, 3.1164e+00],  
 [4.4058e+01, 1.7638e-02, 1.4236e+00],  
 [1.4360e+01, 2.7221e-02, 1.1206e+00],  
 [1.3455e+00, 5.7588e-04, 1.3157e-01],  
 [2.6631e-01, 3.3797e-05, 2.8845e-02],  
 [2.6110e-01, 7.0033e-05, 3.6521e-02],  
 [2.6195e+01, 1.4601e-01, 8.4972e-01],  
 [2.0177e+02, 6.0941e+00, 3.7638e+00],  
 [8.8376e+01, 6.8328e-01, 3.2751e+00],  
 [6.7849e+00, 8.8203e-03, 5.3268e-01],  
 [1.5430e+02, 2.7200e+00, 4.1857e+00],  
 [4.2397e-02, 8.3892e-07, 5.8181e-03],  
 [7.1275e-02, 2.4495e-06, 8.8441e-03],  
 [1.1562e-02, 1.6372e-07, 1.7257e-03],  
 [3.1100e+00, 4.1470e-03, 2.9127e-01],  
 [7.9910e-01, 2.0281e-04, 7.4384e-02],  
 [2.6014e+00, 4.7516e-04, 2.1246e-01],  
 [1.3437e+01, 3.2143e-02, 6.6665e-01],  
 [2.4357e+01, 3.0688e-01, 1.8215e+00],  
 [1.1500e-01, 1.2195e-05, 1.6465e-02],  
 [5.1916e-01, 1.1284e-04, 5.4862e-02],  
 [1.6804e+00, 8.5893e-05, 1.5451e-01],  
 [1.5191e+02, 1.1711e+00, 4.6866e+00],  
 [7.7126e-02, 2.0705e-06, 9.7685e-03],  
 [8.3953e-01, 1.3218e-04, 6.4355e-02],  
 [1.2592e+01, 5.4046e-02, 6.4500e-01],  
 [9.4505e+00, 2.1550e-03, 3.0011e-01],  
 [1.5679e+01, 8.2953e-03, 6.7094e-01],  
 [2.4755e+00, 1.7635e-03, 1.9913e-01],  
 [2.2072e-02, 4.3884e-07, 3.3228e-03],  
 [1.9557e+00, 1.7834e-04, 1.4502e-01],  
 [1.4982e+02, 2.5977e+00, 2.8019e+00],  
 [6.2810e+00, 5.2477e-03, 4.0115e-01],  
 [1.6821e+00, 2.5867e-04, 1.4204e-01],  
 [9.7735e+00, 7.4048e-02, 6.7271e-01],  
 [4.0830e+01, 8.1517e-02, 1.8814e+00],  
 [8.3627e-02, 1.2383e-06, 1.0666e-02],  
 [1.3402e-02, 2.3265e-08, 2.0982e-03],  
 [4.9893e-01, 1.8298e-04, 5.6565e-02],  
 [5.0955e+00, 2.0791e-03, 3.0200e-01],  
 [9.2028e+00, 3.1419e-02, 1.0326e+00],  
 [8.5497e-03, 6.9642e-08, 1.3533e-03],  
 [9.8530e-03, 1.9708e-08, 1.4722e-03],  
 [9.2844e+01, 1.0598e+00, 1.8444e+00],  
 [2.3902e-03, 7.4253e-10, 3.8248e-04],  
 [1.8228e-02, 1.3471e-07, 2.8155e-03],  
 [2.9011e+01, 7.1688e-02, 9.5312e-01],

[1.4899e-02, 1.3915e-08, 2.2401e-03],  
 [5.3223e-01, 1.0599e-04, 4.8384e-02],  
 [1.4684e-01, 1.5409e-06, 1.7633e-02],  
 [8.9459e+01, 8.2854e-01, 2.2733e+00],  
 [3.3345e-03, 6.0637e-09, 5.2734e-04],  
 [2.5813e+01, 2.6936e-01, 1.4073e+00],  
 [1.0553e+01, 1.0117e-02, 4.5279e-01],  
 [2.1511e+00, 3.9585e-03, 2.8508e-01],  
 [8.2880e+00, 1.1409e-02, 3.4936e-01],  
 [5.6166e-01, 1.3650e-04, 4.8303e-02],  
 [3.9710e+00, 2.6015e-03, 1.9838e-01],  
 [1.3979e+00, 1.3818e-04, 1.0267e-01],  
 [3.4012e-01, 4.9765e-05, 4.2745e-02],  
 [2.3615e+02, 2.4959e+00, 4.9734e+00],  
 [3.1918e+00, 3.3316e-03, 3.1425e-01],  
 [5.8665e+00, 4.3701e-03, 6.3869e-01],  
 [3.0054e+00, 2.0216e-03, 2.2098e-01],  
 [8.5952e+00, 3.2131e-03, 5.6135e-01],  
 [1.1036e-01, 1.2593e-05, 1.4948e-02],  
 [1.2345e+02, 5.9021e-01, 3.2955e+00],  
 [2.5015e+00, 5.3437e-04, 1.9090e-01],  
 [5.1654e-01, 1.1096e-04, 7.3597e-02],  
 [6.6105e+01, 6.9804e-01, 2.6694e+00],  
 [4.0605e+01, 2.0519e-01, 1.0133e+00],  
 [7.9453e-02, 3.1296e-06, 1.0721e-02],  
 [2.8880e+01, 2.4681e-01, 9.8619e-01],  
 [7.9514e+00, 4.1212e-03, 3.8700e-01],  
 [3.9989e-03, 3.3758e-09, 6.3362e-04],  
 [7.6203e-01, 2.7061e-05, 7.7453e-02],  
 [5.0918e+01, 1.1932e-01, 2.2425e+00],  
 [5.2466e+01, 6.7026e-01, 1.4502e+00],  
 [9.6290e+00, 5.0948e-03, 5.3130e-01],  
 [1.7262e+01, 1.2338e-02, 1.0201e+00],  
 [4.6582e-02, 1.2097e-07, 6.0437e-03],  
 [2.6444e+00, 9.1012e-04, 2.0671e-01],  
 [6.0421e+00, 9.5035e-03, 5.7109e-01],  
 [9.0055e+01, 1.2264e+00, 2.0088e+00],  
 [1.8805e+00, 2.7829e-04, 1.6804e-01],  
 [7.0422e+01, 1.0047e-01, 2.9981e+00],  
 [5.0051e-02, 8.0153e-07, 6.5543e-03],  
 [1.2158e-01, 3.6079e-06, 1.3557e-02],  
 [2.0722e+01, 2.4185e-02, 1.9147e+00],  
 [6.6482e+00, 5.4361e-03, 2.5685e-01],  
 [3.5724e+00, 3.1883e-03, 4.0707e-01],  
 [5.3718e+00, 2.0726e-03, 5.1049e-01],  
 [1.2007e-02, 2.5597e-08, 1.8600e-03],  
 [5.7643e+00, 1.9410e-03, 2.8013e-01],  
 [1.7300e-01, 4.1751e-06, 2.0990e-02],

[6.6073e-01, 1.5951e-04, 5.2909e-02],  
 [1.3202e+01, 4.8196e-02, 7.6455e-01],  
 [6.6999e-01, 8.7705e-05, 4.9472e-02],  
 [6.6900e-03, 3.3156e-08, 1.0307e-03],  
 [9.1834e+01, 8.8806e-01, 2.4481e+00],  
 [7.2339e-02, 2.0652e-06, 9.2694e-03],  
 [1.5683e+01, 3.9152e-02, 6.9941e-01],  
 [7.7096e-02, 5.3114e-06, 9.5464e-03],  
 [8.3428e+01, 2.0213e+00, 2.4903e+00],  
 [2.0073e+00, 1.1150e-03, 1.2759e-01],  
 [4.0543e+01, 2.2859e-01, 1.9977e+00],  
 [1.1804e+01, 3.3428e-02, 6.1129e-01],  
 [2.2575e+01, 2.2473e-01, 1.1433e+00],  
 [2.0414e-03, 3.1267e-10, 3.2546e-04],  
 [1.4707e+00, 2.5021e-05, 8.5271e-02],  
 [5.2043e+01, 1.1530e-01, 2.9263e+00],  
 [7.4163e-02, 2.4938e-06, 9.2472e-03],  
 [3.2171e+00, 3.1987e-03, 3.4900e-01],  
 [5.9393e+01, 1.0368e+00, 2.8865e+00],  
 [1.1225e+00, 2.9731e-04, 9.3960e-02],  
 [5.9695e-03, 4.5786e-08, 9.4348e-04],  
 [5.6462e-01, 3.2803e-05, 7.0725e-02],  
 [1.4135e-01, 3.4266e-06, 1.9167e-02],  
 [2.3315e-03, 5.4521e-10, 3.6996e-04],  
 [1.1587e+01, 6.7330e-02, 7.4713e-01],  
 [4.8215e-01, 1.2969e-04, 5.1618e-02],  
 [5.6807e+01, 1.1991e-01, 2.3595e+00],  
 [1.0388e-03, 4.8273e-10, 1.6909e-04],  
 [3.0896e-02, 6.9025e-07, 4.2184e-03],  
 [1.1141e-01, 9.1725e-07, 1.5213e-02],  
 [1.1709e-01, 7.2079e-06, 1.3952e-02],  
 [2.5338e+02, 4.0295e+00, 4.8986e+00],  
 [1.4511e+02, 4.5528e+00, 3.2813e+00],  
 [3.4681e+00, 1.9208e-03, 2.6753e-01],  
 [2.4550e+00, 3.3439e-03, 1.9565e-01],  
 [2.0782e+01, 3.4861e-02, 1.3600e+00],  
 [1.1877e+01, 2.7194e-02, 5.0769e-01],  
 [5.6433e+01, 7.2857e-01, 1.9376e+00],  
 [1.4001e+02, 5.5183e-01, 2.8621e+00],  
 [9.1057e+01, 7.4419e-01, 2.7272e+00],  
 [5.4889e-02, 1.1055e-07, 7.3552e-03],  
 [4.5510e+01, 1.7006e-01, 2.0809e+00],  
 [6.1351e+01, 6.7828e-01, 3.1958e+00],  
 [7.8961e-01, 9.2955e-06, 7.7924e-02],  
 [3.3504e+00, 4.7994e-03, 2.4858e-01],  
 [1.9449e+01, 2.5739e-02, 8.7497e-01],  
 [2.7758e+01, 2.7770e-01, 1.6242e+00],  
 [9.6679e+01, 8.4211e-01, 3.7687e+00],

```

[9.9560e+01, 4.7617e-01, 4.1508e+00],
[2.9361e+00, 2.3847e-03, 1.7004e-01],
[1.4126e+01, 1.7844e-02, 5.7318e-01],
[9.8073e-02, 1.3323e-06, 1.2332e-02]], dtype=torch.float64)
Iteration: 3
Inputs: tensor([[8.8091e+20, 2.6063e+02, 1.2123e+01, 1.9405e+00],
[1.4983e+18, 1.3374e+02, 8.9742e+00, 7.1714e+00],
[6.6115e+19, 2.6683e+02, 3.8353e+00, 1.1656e+00],
...,
[8.2627e+19, 4.5995e+02, 1.6893e+01, 2.9601e+00],
[6.1961e+18, 1.5685e+02, 8.0836e+00, 3.9884e+00],
[7.3062e+19, 1.5623e+02, 8.4985e+00, 7.9003e+00]], dtype=torch.float64)
Target: tensor([[7.0733e+01, 2.3791e-01, 3.6797e+00],
[5.8674e-02, 1.9117e-06, 7.7404e-03],
[1.6315e+01, 3.1771e-03, 8.7117e-01],
[5.5158e-02, 1.4087e-06, 7.6741e-03],
[2.6119e+00, 1.0667e-03, 2.1234e-01],
[2.0229e+01, 9.5231e-02, 8.5568e-01],
[1.3011e-02, 2.1730e-08, 2.0494e-03],
[2.8584e+00, 5.7634e-03, 3.0711e-01],
[1.2068e+00, 8.0404e-04, 1.0430e-01],
[4.4151e+01, 8.3979e-01, 2.5197e+00],
[3.0042e-01, 5.9516e-06, 2.5042e-02],
[1.7359e+00, 6.0489e-04, 1.8604e-01],
[1.4038e-01, 6.8453e-06, 1.6839e-02],
[1.0655e-02, 1.2442e-08, 1.6061e-03],
[7.9498e-02, 1.2603e-06, 1.0728e-02],
[9.2168e+01, 3.6666e-01, 2.6015e+00],
[2.2887e-01, 7.6510e-06, 2.3603e-02],
[1.5805e+02, 2.0196e+00, 4.7951e+00],
[1.0674e+01, 1.2898e-02, 6.5526e-01],
[2.6471e+01, 8.6741e-02, 9.4604e-01],
[7.3922e+01, 1.2557e+00, 3.0457e+00],
[9.5882e+00, 4.4693e-03, 3.9438e-01],
[2.9455e-01, 1.2136e-05, 2.6571e-02],
[3.8726e-01, 3.5272e-05, 5.4910e-02],
[2.4784e+01, 9.7245e-02, 9.2978e-01],
[1.9896e+01, 6.8433e-02, 7.4050e-01],
[6.1219e+00, 2.0427e-03, 5.1792e-01],
[2.0853e+01, 1.2059e-01, 9.0382e-01],
[1.5409e+02, 1.5460e+00, 2.8457e+00],
[7.2988e+01, 2.5751e-01, 2.2786e+00],
[1.5926e-01, 3.5650e-06, 2.1948e-02],
[1.4090e+00, 5.1164e-04, 1.2635e-01],
[6.9236e+01, 7.2064e-01, 2.2443e+00],
[8.0272e-03, 1.4825e-08, 1.2603e-03],
[3.4726e+01, 2.4960e-01, 9.2788e-01],
[2.1371e+01, 2.2378e-02, 8.7718e-01],

```

[4.1877e+01, 4.2931e-02, 1.1034e+00],  
 [1.1974e-01, 4.8052e-06, 1.5105e-02],  
 [2.4194e+01, 1.9516e-01, 1.0521e+00],  
 [4.4964e+00, 3.4016e-04, 2.7474e-01],  
 [2.4056e+01, 1.2094e-01, 1.5676e+00],  
 [1.6751e+01, 3.6638e-02, 1.0186e+00],  
 [6.2972e+00, 8.3512e-04, 3.1478e-01],  
 [4.8617e+00, 5.5892e-03, 2.8251e-01],  
 [2.0055e-01, 1.5920e-05, 2.2827e-02],  
 [2.4012e+01, 7.3946e-03, 1.4089e+00],  
 [4.8951e+01, 1.1760e-01, 2.4069e+00],  
 [1.8407e+00, 4.8096e-04, 1.9366e-01],  
 [4.1160e+01, 1.0616e-01, 9.5771e-01],  
 [1.1048e+00, 2.0961e-04, 1.0330e-01],  
 [1.0252e+00, 8.2967e-04, 1.3576e-01],  
 [9.3553e+00, 1.3911e-02, 4.8651e-01],  
 [4.7652e+01, 7.3244e-01, 3.1252e+00],  
 [6.4547e+01, 5.3700e-01, 1.8254e+00],  
 [1.3489e+01, 5.2413e-02, 6.2006e-01],  
 [4.2238e+00, 1.5128e-03, 2.9213e-01],  
 [1.9061e+01, 3.4146e-02, 7.9815e-01],  
 [1.4058e+01, 1.5695e-01, 1.2949e+00],  
 [3.4721e+01, 3.8486e-01, 1.2183e+00],  
 [4.8545e-02, 8.6770e-07, 6.8786e-03],  
 [1.5258e-01, 9.1464e-06, 1.6759e-02],  
 [1.6233e+00, 9.6297e-04, 1.6502e-01],  
 [1.6783e+01, 1.2104e-02, 8.9349e-01],  
 [2.4444e-01, 2.3456e-05, 2.2792e-02],  
 [1.9122e+01, 1.5944e-01, 1.1781e+00],  
 [4.9647e+00, 2.9390e-02, 5.8681e-01],  
 [1.5684e+01, 1.6576e-03, 8.6532e-01],  
 [1.3401e+01, 6.8238e-03, 6.4387e-01],  
 [9.1915e+00, 2.2610e-02, 5.2620e-01],  
 [7.8193e+01, 9.6809e-01, 1.7084e+00],  
 [1.0906e-02, 6.3280e-08, 1.6196e-03],  
 [2.4512e+01, 1.0346e-01, 1.2073e+00],  
 [3.5757e+01, 4.6367e-02, 1.6814e+00],  
 [2.1722e+00, 1.1059e-03, 1.3835e-01],  
 [2.5647e-02, 9.3454e-07, 3.8087e-03],  
 [1.2435e+01, 1.7623e-02, 7.7826e-01],  
 [2.0311e+01, 7.4850e-02, 8.4329e-01],  
 [4.7207e+00, 2.0902e-03, 2.8469e-01],  
 [2.2573e+01, 1.6841e-02, 1.0773e+00],  
 [1.7227e+00, 9.3050e-04, 1.3234e-01],  
 [6.4388e+01, 5.9407e-01, 3.0984e+00],  
 [3.7864e-01, 5.2351e-05, 3.2371e-02],  
 [2.0626e+01, 7.7641e-02, 1.1311e+00],  
 [7.5243e+01, 3.9011e-01, 2.3589e+00],

[2.9728e+00, 1.4332e-03, 2.1168e-01],  
 [4.9598e+01, 1.6649e-01, 2.5042e+00],  
 [2.0417e+00, 4.8466e-05, 1.2500e-01],  
 [2.8722e-01, 1.6717e-05, 3.8878e-02],  
 [9.0712e+00, 1.8258e-02, 7.2942e-01],  
 [8.2753e+01, 3.3104e-01, 2.4507e+00],  
 [5.3130e+00, 3.3551e-03, 4.4769e-01],  
 [2.7474e+00, 1.7908e-03, 2.0130e-01],  
 [2.2728e+01, 9.8383e-02, 8.5631e-01],  
 [4.6717e-01, 4.4801e-05, 3.6912e-02],  
 [1.4372e+00, 4.8949e-04, 1.0455e-01],  
 [2.7869e+01, 1.3385e-01, 1.1587e+00],  
 [1.6490e+00, 1.6120e-03, 1.5350e-01],  
 [1.2408e+01, 7.3365e-03, 7.0324e-01],  
 [2.7013e+00, 4.2957e-03, 2.2876e-01],  
 [2.4359e+00, 2.2183e-04, 1.6317e-01],  
 [1.1183e+02, 1.3829e+00, 3.6235e+00],  
 [5.5377e+00, 2.0037e-03, 4.5208e-01],  
 [3.9335e-01, 3.3923e-05, 3.3555e-02],  
 [4.5851e+00, 2.1354e-03, 3.0370e-01],  
 [9.9824e+00, 6.2743e-03, 4.4448e-01],  
 [4.5586e-01, 3.3173e-05, 4.8520e-02],  
 [4.6826e-01, 8.7127e-05, 5.5021e-02],  
 [1.7091e+02, 9.7619e-01, 4.6300e+00],  
 [6.1746e-01, 4.0745e-04, 8.4403e-02],  
 [6.9378e+01, 9.0226e-01, 3.0939e+00],  
 [2.6377e+01, 4.5475e-02, 7.1579e-01],  
 [1.9711e-02, 1.1678e-07, 3.0111e-03],  
 [8.1052e-01, 4.7032e-04, 7.4218e-02],  
 [3.4250e+01, 1.5374e-01, 1.0421e+00],  
 [2.9160e+01, 3.9594e-02, 1.8497e+00],  
 [4.1621e-02, 3.1187e-07, 5.9931e-03],  
 [1.3217e-01, 5.9808e-06, 1.8333e-02],  
 [1.4617e+00, 2.5849e-04, 8.0625e-02],  
 [7.2019e-02, 1.8157e-06, 9.1071e-03],  
 [1.0045e+02, 9.8585e-01, 2.5775e+00],  
 [2.1177e+01, 3.6496e-02, 6.0031e-01],  
 [1.3375e+02, 3.2567e-01, 3.0363e+00],  
 [2.5500e+01, 1.0578e-01, 1.3197e+00],  
 [1.2890e+02, 1.1648e+00, 2.1639e+00],  
 [9.7530e+01, 1.0805e+00, 3.0938e+00],  
 [8.5534e+00, 7.3383e-03, 9.2795e-01],  
 [1.9288e+00, 4.7311e-04, 1.2203e-01],  
 [2.9266e+00, 8.6109e-04, 1.7476e-01],  
 [7.0387e+01, 1.4155e-01, 2.2762e+00],  
 [4.7462e+01, 6.4326e-01, 1.5330e+00],  
 [9.1341e-01, 1.7881e-04, 1.1558e-01],  
 [2.4509e+01, 6.3144e-02, 6.5067e-01],

[2.3484e+00, 4.3609e-03, 2.4996e-01],  
 [2.4586e-04, 1.1227e-11, 4.0397e-05],  
 [1.0387e-01, 2.7447e-06, 1.2415e-02],  
 [2.8747e+01, 1.8170e-01, 1.2453e+00],  
 [2.5997e-01, 2.8782e-05, 2.6923e-02],  
 [8.6894e+00, 7.1564e-03, 5.0320e-01],  
 [9.1664e+01, 1.1478e+00, 3.0531e+00],  
 [1.8771e+01, 5.6230e-02, 7.1622e-01],  
 [7.1137e+00, 5.6529e-04, 2.9274e-01],  
 [8.6894e-03, 5.7394e-08, 1.3104e-03],  
 [4.4778e+00, 5.0993e-04, 2.8736e-01],  
 [6.6923e+01, 2.0806e-01, 1.4220e+00],  
 [1.3699e-01, 9.1684e-06, 1.6177e-02],  
 [1.1980e+02, 2.6386e+00, 3.4702e+00],  
 [1.9625e+01, 8.0888e-02, 1.0506e+00],  
 [8.1662e-02, 1.0587e-06, 9.8895e-03],  
 [1.9930e+02, 2.5594e+00, 4.9788e+00],  
 [1.3426e+02, 5.7708e-01, 2.7094e+00],  
 [2.4226e-01, 1.7320e-05, 2.1910e-02],  
 [5.3413e-02, 2.2044e-07, 7.0541e-03],  
 [1.3063e+00, 2.2018e-04, 1.6982e-01],  
 [1.3402e+01, 3.3071e-02, 6.2013e-01],  
 [3.8838e+00, 1.7229e-03, 3.2662e-01],  
 [3.4071e-01, 5.2129e-05, 3.9604e-02],  
 [4.8225e-01, 5.7764e-05, 4.5781e-02],  
 [5.5105e+01, 2.7268e-01, 3.0990e+00],  
 [2.3475e-01, 1.5740e-05, 2.2189e-02],  
 [8.0526e+00, 9.9946e-03, 5.9390e-01],  
 [2.3085e-01, 3.6256e-05, 2.8982e-02],  
 [3.4677e-01, 2.3296e-05, 3.7784e-02],  
 [6.9715e+00, 3.3395e-02, 8.3548e-01],  
 [1.0203e+01, 3.3895e-02, 6.1620e-01],  
 [9.6931e-01, 1.5039e-04, 7.9135e-02],  
 [2.2420e-01, 2.7481e-05, 2.4697e-02],  
 [1.9808e+01, 5.8249e-02, 6.0475e-01],  
 [1.4470e+01, 9.5858e-03, 8.3870e-01],  
 [4.8290e-02, 7.5657e-07, 6.3134e-03],  
 [6.4509e+01, 7.1126e-01, 2.6009e+00],  
 [1.2026e+02, 1.5292e+00, 3.0557e+00],  
 [1.4738e+01, 1.3573e-02, 1.0083e+00],  
 [5.1437e+01, 7.0128e-01, 1.4482e+00],  
 [1.1290e+02, 2.7765e+00, 4.1847e+00],  
 [1.7510e+00, 1.5438e-03, 1.4290e-01],  
 [3.6475e+00, 7.5129e-03, 3.6588e-01],  
 [4.8100e+01, 4.7410e-01, 1.9985e+00],  
 [1.0969e+02, 8.7197e-01, 1.8913e+00],  
 [2.3069e-01, 2.8189e-07, 2.4256e-02],  
 [2.0123e+02, 2.4071e+00, 4.9724e+00],



[1.6808e+02, 3.0883e+00, 2.9818e+00],  
 [4.7598e-01, 3.4468e-05, 4.3273e-02],  
 [1.1364e+02, 1.6876e+00, 3.2218e+00],  
 [7.0908e+01, 9.3174e-01, 2.1691e+00],  
 [2.0696e+00, 1.1146e-03, 2.5713e-01],  
 [4.1255e+01, 1.4241e-01, 1.8220e+00],  
 [1.3298e+00, 3.1991e-04, 9.2049e-02],  
 [3.3904e+00, 1.4330e-03, 1.4959e-01],  
 [1.4135e+00, 7.5219e-04, 1.2457e-01],  
 [2.7821e+01, 5.6950e-02, 8.1510e-01],  
 [1.8622e+02, 2.2359e+00, 2.8363e+00],  
 [6.2653e+01, 1.7896e-01, 2.2693e+00],  
 [2.1263e+01, 2.8487e-02, 7.5365e-01],  
 [2.7308e+01, 4.1569e-02, 1.8416e+00],  
 [1.3825e+00, 9.3171e-04, 1.5667e-01],  
 [3.2422e+01, 9.6485e-02, 2.0187e+00],  
 [2.3021e+00, 1.1145e-03, 2.2408e-01],  
 [2.5481e+00, 2.6134e-04, 1.4169e-01],  
 [1.4355e+02, 4.4541e+00, 4.1552e+00],  
 [8.6963e+01, 2.0623e+00, 3.9133e+00],  
 [3.0723e+01, 1.6726e-01, 1.2203e+00],  
 [7.0347e+01, 1.1801e+00, 2.1534e+00],  
 [1.8066e-02, 1.7128e-07, 2.6314e-03],  
 [4.9738e+01, 1.5289e-01, 1.8439e+00],  
 [4.0421e+01, 9.4733e-01, 2.4662e+00],  
 [1.2525e+00, 3.0132e-04, 8.9402e-02],  
 [2.3218e-01, 6.0955e-06, 2.9189e-02],  
 [8.0892e+01, 7.5721e-01, 2.5049e+00],  
 [1.9684e+01, 3.5311e-02, 1.5305e+00],  
 [1.3946e+01, 1.5241e-02, 9.7071e-01],  
 [1.9476e-03, 6.6525e-09, 3.1350e-04],  
 [8.4833e+01, 6.9727e-01, 1.7008e+00],  
 [8.3488e+00, 2.4280e-02, 8.9474e-01],  
 [6.1200e+00, 1.9755e-03, 4.2826e-01],  
 [5.1516e-01, 4.3702e-05, 4.0040e-02],  
 [2.9332e+00, 3.7175e-03, 1.8815e-01],  
 [1.1026e+01, 1.7431e-02, 3.8798e-01],  
 [3.8817e+00, 6.5441e-03, 2.2502e-01],  
 [2.7948e-01, 1.2352e-05, 3.4087e-02],  
 [2.1529e+00, 7.8743e-04, 2.2320e-01],  
 [7.8009e-01, 2.5766e-04, 6.3291e-02],  
 [9.3574e+01, 7.7763e-01, 2.6535e+00],  
 [3.9421e+00, 1.1350e-02, 3.3747e-01],  
 [1.3753e+02, 3.6325e+00, 3.8013e+00],  
 [2.7038e-01, 2.3470e-05, 3.5048e-02],  
 [6.1728e-01, 1.1116e-04, 5.4392e-02],  
 [3.5381e-01, 6.2861e-05, 3.1731e-02],  
 [7.4408e+01, 1.9541e-01, 1.7566e+00],

[3.0137e+01, 2.2827e-01, 1.3210e+00],  
 [8.4355e+00, 1.5900e-03, 3.0188e-01],  
 [8.7197e-01, 3.7247e-04, 7.8848e-02],  
 [8.0634e+00, 1.0968e-03, 6.0113e-01],  
 [6.7905e+00, 4.2892e-03, 4.0696e-01],  
 [1.8741e+01, 1.1074e-01, 8.4800e-01],  
 [5.1903e+01, 3.4228e-01, 1.6714e+00],  
 [8.1773e+00, 2.4772e-02, 7.1041e-01],  
 [2.8795e-02, 1.3946e-06, 4.3520e-03],  
 [5.9428e+00, 1.3976e-02, 5.3391e-01],  
 [4.1022e+00, 3.9666e-03, 3.0481e-01],  
 [2.4595e+01, 1.4430e-01, 1.0328e+00],  
 [2.4686e+01, 1.3335e-01, 1.9201e+00],  
 [1.0941e+00, 1.5019e-04, 8.7004e-02],  
 [6.1582e+00, 1.0866e-02, 4.4414e-01],  
 [6.6286e+00, 3.6490e-02, 6.7622e-01],  
 [1.3692e-02, 2.5590e-08, 2.1217e-03],  
 [7.7779e+01, 8.4969e-01, 2.2254e+00],  
 [5.4077e+01, 6.3510e-01, 2.4067e+00],  
 [7.5572e+01, 1.3213e+00, 2.3767e+00],  
 [5.0779e+00, 2.2903e-03, 3.9650e-01],  
 [4.5606e-01, 1.8887e-05, 5.8233e-02],  
 [1.1530e+02, 1.2451e+00, 2.9448e+00],  
 [2.5925e+00, 1.4179e-03, 1.4132e-01],  
 [8.4045e+01, 8.2970e-01, 3.5421e+00],  
 [2.0744e+02, 3.1579e+00, 3.6532e+00],  
 [1.7322e-01, 9.8633e-06, 1.7992e-02],  
 [9.5845e-03, 3.7910e-08, 1.5284e-03],  
 [8.4205e+00, 1.4855e-02, 4.9463e-01],  
 [2.8344e-02, 2.2371e-07, 3.9725e-03],  
 [2.7679e+00, 5.5476e-03, 2.3452e-01],  
 [3.3645e+00, 1.5731e-03, 2.4919e-01],  
 [9.1126e+00, 8.3209e-03, 4.9662e-01],  
 [4.3853e+00, 1.0791e-03, 2.3019e-01],  
 [6.8581e+00, 6.3138e-03, 7.8485e-01],  
 [5.5310e-01, 7.8059e-05, 6.0442e-02],  
 [1.0859e+01, 2.1541e-02, 4.1572e-01],  
 [1.1870e-01, 6.1187e-06, 1.6739e-02],  
 [1.2013e+01, 3.8594e-02, 5.6678e-01],  
 [1.1807e+00, 2.0029e-04, 1.5159e-01],  
 [1.8045e+01, 5.0263e-02, 5.9783e-01],  
 [4.4891e+01, 2.1749e-01, 2.2709e+00],  
 [1.8813e-01, 2.7369e-05, 2.1597e-02],  
 [3.7427e-01, 6.0295e-06, 2.9737e-02],  
 [1.0468e-01, 6.6537e-06, 1.2616e-02],  
 [1.2060e+01, 8.4304e-03, 5.9469e-01],  
 [2.3545e+01, 9.2182e-02, 1.5967e+00],  
 [7.6340e-01, 4.9352e-05, 7.8378e-02],

```

[1.5290e+00, 3.6210e-04, 9.3838e-02],
[6.7368e+00, 5.5565e-03, 2.9079e-01],
[2.5730e+00, 2.4502e-03, 2.0293e-01],
[1.4485e+01, 2.8945e-02, 4.4817e-01],
[3.0284e-01, 2.5288e-06, 3.1889e-02],
[2.5872e+01, 1.3650e-01, 1.5318e+00],
[1.3169e-01, 6.5436e-06, 1.7619e-02],
[7.5608e+01, 6.0946e-01, 1.6776e+00],
[1.2732e+02, 2.5188e+00, 2.3092e+00],
[1.4163e+01, 9.7127e-02, 9.3168e-01],
[4.3536e+00, 5.5042e-03, 3.2846e-01],
[1.0542e+02, 3.0992e+00, 2.7977e+00],
[1.8055e+01, 1.2752e-01, 1.2506e+00],
[3.4116e+00, 1.8920e-03, 2.4825e-01],
[3.3723e+00, 4.1119e-03, 2.8533e-01],
[1.1109e+01, 2.4856e-02, 6.1771e-01],
[3.6609e+01, 3.1664e-01, 1.1123e+00],
[9.5806e-01, 4.2616e-04, 7.6973e-02],
[9.9479e+00, 1.0361e-02, 4.6658e-01],
[1.7526e+01, 7.0878e-02, 1.2229e+00],
[4.4452e-01, 2.0901e-05, 4.6085e-02],
[2.7895e+01, 3.3505e-02, 9.6681e-01],
[7.5245e+00, 1.1636e-02, 5.1179e-01],
[3.3253e+00, 1.1394e-03, 2.8659e-01],
[1.1820e+02, 1.2150e+00, 2.4766e+00],
[3.0493e+00, 3.3553e-03, 2.0269e-01],
[6.1322e+01, 1.1442e+00, 1.6386e+00],
[8.5449e+00, 5.1844e-03, 6.2241e-01],
[6.0038e+01, 1.1894e+00, 3.0500e+00],
[3.6860e-02, 5.7177e-07, 5.3731e-03],
[1.7845e+02, 5.1863e-01, 3.8664e+00],
[2.1647e+02, 6.3881e+00, 4.1916e+00],
[2.6430e+02, 6.7305e+00, 5.1073e+00],
[2.0133e-01, 5.1507e-06, 2.1152e-02],
[1.2907e+02, 3.8774e+00, 3.2448e+00],
[1.2127e+02, 1.9036e+00, 2.3750e+00],
[3.6280e+00, 2.4111e-03, 2.7419e-01],
[1.0696e+01, 2.0788e-02, 4.0805e-01],
[1.1016e+01, 3.5062e-03, 4.8190e-01],
[1.6627e-01, 2.0964e-05, 2.1031e-02],
[1.3721e+01, 4.7562e-02, 7.1688e-01],
[2.1581e+01, 5.0099e-02, 1.0486e+00],
[4.8642e-01, 4.2100e-05, 5.4872e-02],
[2.0950e+01, 1.0507e-01, 9.9026e-01]], dtype=torch.float64)

```

Iteration: 4

```

Inputs: tensor([[3.8836e+18, 8.9777e+01, 1.8931e+01, 7.9399e+00],
               [1.3605e+19, 3.3373e+02, 5.5379e+00, 6.6142e+00],
               [1.3241e+18, 8.0811e+01, 1.5434e+00, 1.1662e+00],

```

```

...,
[1.4252e+19, 2.8985e+02, 6.6753e+00, 1.2207e+00],
[1.1803e+20, 1.6365e+02, 1.9891e+01, 9.2387e+00],
[2.5948e+19, 2.4903e+02, 1.7993e+01, 9.5686e+00]], dtype=torch.float64)
Target: tensor([[6.4671e-02, 5.1559e-06, 9.1750e-03],
[7.5177e+00, 6.0464e-03, 3.4779e-01],
[1.6954e-02, 5.6027e-09, 2.4840e-03],
[3.5276e+01, 4.9422e-02, 1.7288e+00],
[1.5086e+00, 8.0692e-04, 1.3816e-01],
[1.8630e+02, 5.0858e+00, 4.4579e+00],
[4.4789e+01, 2.9721e-01, 1.4532e+00],
[1.0670e+00, 4.0293e-04, 8.6992e-02],
[1.1051e+00, 5.3282e-04, 9.8632e-02],
[6.3815e+01, 3.4877e-01, 2.8267e+00],
[4.4041e+01, 1.2973e-01, 1.8337e+00],
[8.3901e+01, 4.9687e-01, 3.6531e+00],
[4.6529e+01, 2.6238e-01, 1.5797e+00],
[7.0414e+00, 4.8896e-03, 5.3060e-01],
[1.2846e+02, 2.3102e+00, 3.5565e+00],
[1.1637e-01, 1.6467e-06, 1.3829e-02],
[4.7606e+01, 1.4659e-01, 1.6685e+00],
[7.2243e+01, 3.7518e-01, 2.8595e+00],
[1.5156e+01, 4.2079e-02, 5.0920e-01],
[5.2186e+00, 3.8113e-03, 2.2597e-01],
[7.2893e+00, 1.8794e-02, 4.7351e-01],
[8.6731e-03, 6.6805e-08, 1.3097e-03],
[9.9496e-01, 1.0248e-04, 7.3368e-02],
[1.3180e-01, 7.9382e-06, 1.5655e-02],
[5.5091e+01, 2.7097e-01, 1.1201e+00],
[1.7878e+00, 8.6712e-04, 1.7817e-01],
[2.9869e+01, 3.3723e-02, 9.1848e-01],
[3.4216e-03, 5.4579e-09, 5.3605e-04],
[1.0333e-03, 1.2846e-09, 1.6759e-04],
[1.1019e+02, 3.5731e-01, 2.3789e+00],
[1.6148e+00, 2.2519e-04, 7.8914e-02],
[1.1196e+02, 1.3687e+00, 1.8064e+00],
[3.1393e+00, 2.7029e-04, 1.9923e-01],
[2.1973e+00, 1.3463e-03, 2.4419e-01],
[1.3440e-02, 1.2683e-07, 2.0194e-03],
[1.7953e+01, 1.7123e-02, 9.9691e-01],
[1.2244e+02, 1.3271e+00, 2.9180e+00],
[7.1025e+01, 5.2600e-01, 2.2970e+00],
[5.9813e-01, 8.3356e-05, 6.0420e-02],
[4.3618e-01, 4.7213e-05, 4.1579e-02],
[2.3282e-03, 1.7061e-09, 3.7176e-04],
[2.1521e+00, 5.4523e-04, 1.6921e-01],
[1.2339e+02, 2.4399e-01, 2.4504e+00],
[1.9549e+00, 5.7161e-04, 1.3643e-01],

```

[2.5090e+01, 7.1194e-02, 8.4109e-01],  
 [1.3187e+00, 6.7148e-04, 1.6416e-01],  
 [1.1194e+01, 1.1530e-02, 9.3208e-01],  
 [4.7344e+01, 4.1667e-01, 1.6316e+00],  
 [2.3299e-01, 5.3243e-05, 2.8461e-02],  
 [1.9429e+00, 8.4274e-05, 1.5688e-01],  
 [5.1002e+01, 3.3453e-01, 1.4595e+00],  
 [2.6940e-01, 1.3142e-05, 3.2143e-02],  
 [1.8555e+00, 1.9417e-04, 1.3192e-01],  
 [3.3611e-01, 4.4050e-05, 3.6619e-02],  
 [7.3561e+01, 8.3611e-01, 2.0862e+00],  
 [1.3828e+00, 1.9024e-03, 1.5084e-01],  
 [9.1945e+01, 8.7439e-01, 1.6007e+00],  
 [1.4700e+00, 1.1291e-03, 1.2364e-01],  
 [1.4088e+00, 5.3365e-04, 1.1673e-01],  
 [6.2280e+01, 1.0869e+00, 2.5060e+00],  
 [2.6275e+00, 8.5101e-04, 2.5772e-01],  
 [8.1788e+01, 1.5010e+00, 3.1345e+00],  
 [9.0567e+01, 3.5254e-01, 3.0864e+00],  
 [7.7125e+00, 1.6967e-02, 3.6447e-01],  
 [3.4976e+01, 4.0994e-02, 9.7265e-01],  
 [6.1603e+01, 1.4117e-01, 2.4817e+00],  
 [3.7256e+00, 1.9853e-03, 2.8156e-01],  
 [2.8929e-01, 1.3096e-05, 3.4134e-02],  
 [7.3768e+00, 8.7972e-03, 6.5058e-01],  
 [3.3444e+01, 1.2252e-01, 1.1274e+00],  
 [3.1523e+01, 4.5754e-02, 7.5480e-01],  
 [3.8853e-01, 6.5678e-05, 4.0431e-02],  
 [1.9090e-01, 1.6899e-05, 2.3576e-02],  
 [6.2532e+00, 5.9328e-03, 4.0759e-01],  
 [3.4428e+00, 1.4226e-03, 2.4275e-01],  
 [4.3212e+01, 1.9763e-01, 1.5988e+00],  
 [7.5001e-02, 1.0064e-06, 1.0309e-02],  
 [9.2629e-01, 1.4314e-04, 9.2434e-02],  
 [4.5533e+00, 5.3132e-03, 2.8768e-01],  
 [1.1191e+00, 3.7459e-04, 8.8115e-02],  
 [7.3927e+01, 5.5598e-01, 1.8488e+00],  
 [9.2441e+00, 1.2961e-02, 3.7292e-01],  
 [4.6595e+00, 1.3432e-03, 3.9595e-01],  
 [1.1165e+00, 1.5478e-04, 1.3432e-01],  
 [2.4915e-01, 4.1485e-05, 2.5031e-02],  
 [1.5184e-01, 1.3514e-05, 1.8041e-02],  
 [2.8919e+01, 2.1978e-01, 1.2486e+00],  
 [5.9466e-01, 7.3097e-05, 8.7141e-02],  
 [1.4122e+02, 4.2441e+00, 3.6107e+00],  
 [7.5893e+00, 1.3527e-03, 8.2985e-01],  
 [2.7497e-01, 1.7744e-05, 3.2920e-02],  
 [1.6398e-02, 4.4473e-08, 2.4387e-03],

[1.2075e+02, 4.5281e-01, 3.5345e+00],  
 [1.0162e-01, 1.3105e-05, 1.3875e-02],  
 [8.1537e-01, 4.0909e-05, 5.7495e-02],  
 [1.1255e-02, 1.5593e-08, 1.7745e-03],  
 [2.8764e-02, 7.1843e-08, 4.3722e-03],  
 [1.4388e+02, 4.5369e-01, 3.9382e+00],  
 [3.2615e+00, 8.7717e-04, 2.5226e-01],  
 [7.0294e+01, 1.2671e-01, 3.0276e+00],  
 [1.6838e+01, 3.6972e-02, 4.8868e-01],  
 [1.9104e+02, 1.4472e+00, 3.6462e+00],  
 [6.1179e+00, 9.1784e-03, 4.7639e-01],  
 [2.6740e+00, 8.2135e-04, 2.1516e-01],  
 [2.1156e-01, 9.3672e-06, 2.0130e-02],  
 [1.7345e+02, 4.7955e+00, 3.3887e+00],  
 [1.1243e-01, 1.8542e-07, 1.3838e-02],  
 [9.2957e+00, 7.0852e-04, 5.7540e-01],  
 [3.5521e+01, 9.4604e-02, 2.1407e+00],  
 [1.0684e+00, 1.6736e-04, 9.0176e-02],  
 [8.0528e+01, 8.5102e-01, 2.5973e+00],  
 [1.0654e+01, 2.6166e-02, 5.9479e-01],  
 [3.1850e+01, 2.0909e-01, 2.3834e+00],  
 [4.1387e+01, 5.6693e-01, 2.2908e+00],  
 [1.5135e+00, 1.9686e-03, 1.5174e-01],  
 [9.0017e+01, 4.7548e-01, 2.3472e+00],  
 [7.8539e-03, 5.7111e-09, 1.1877e-03],  
 [7.7558e+01, 1.3720e+00, 2.4124e+00],  
 [4.2762e+01, 4.7263e-01, 2.6834e+00],  
 [7.7852e-01, 2.0095e-04, 6.9317e-02],  
 [6.1964e+01, 1.5497e-01, 1.1975e+00],  
 [7.9105e-01, 5.4439e-05, 8.1650e-02],  
 [4.1030e+00, 5.3705e-03, 4.3728e-01],  
 [3.4206e+01, 4.9224e-01, 1.6261e+00],  
 [6.0580e-02, 4.2572e-07, 8.8445e-03],  
 [8.0509e-01, 1.6512e-04, 1.0309e-01],  
 [1.3148e+02, 4.3253e-01, 3.3457e+00],  
 [1.4578e+01, 4.4936e-02, 5.7253e-01],  
 [2.1093e+01, 7.1865e-03, 9.2841e-01],  
 [1.6111e+01, 1.6250e-02, 5.9793e-01],  
 [9.5128e+00, 2.8496e-02, 5.3251e-01],  
 [4.9364e-03, 1.7800e-08, 7.8513e-04],  
 [1.6310e+01, 1.7373e-02, 7.9960e-01],  
 [3.0897e+01, 1.3743e-01, 2.1903e+00],  
 [6.7390e+00, 2.9476e-03, 3.6426e-01],  
 [7.7771e+01, 3.1489e-01, 2.0165e+00],  
 [8.5848e-01, 2.5014e-04, 6.5476e-02],  
 [1.2037e-01, 4.6689e-06, 1.3418e-02],  
 [4.4019e+00, 6.9090e-03, 2.4818e-01],  
 [1.9438e+01, 4.2398e-02, 7.6167e-01],

[6.5436e+01, 6.1513e-01, 2.0580e+00],  
 [1.6152e+02, 1.1432e+00, 2.6536e+00],  
 [3.9472e+00, 1.8425e-03, 2.6637e-01],  
 [9.7014e-01, 6.2169e-05, 5.3368e-02],  
 [1.6936e-03, 8.9781e-10, 2.7148e-04],  
 [3.9299e+00, 7.2735e-03, 3.2523e-01],  
 [3.2848e+00, 3.8984e-03, 2.2647e-01],  
 [1.6342e+01, 2.4519e-02, 7.3559e-01],  
 [8.4015e+01, 1.6713e+00, 2.9347e+00],  
 [4.0910e+00, 1.1967e-02, 4.1559e-01],  
 [3.5319e+01, 2.3203e-01, 2.4501e+00],  
 [1.2460e+00, 6.3328e-05, 1.3222e-01],  
 [1.5580e+01, 9.4370e-03, 9.1680e-01],  
 [1.6813e+01, 2.6563e-02, 7.2698e-01],  
 [9.3368e+01, 2.9655e+00, 3.4274e+00],  
 [8.5725e+00, 2.5824e-02, 5.0026e-01],  
 [7.5672e+00, 5.1352e-02, 6.2384e-01],  
 [2.2366e-02, 5.7419e-07, 3.1768e-03],  
 [6.3145e+01, 1.5235e-01, 2.4414e+00],  
 [4.1933e+01, 6.9304e-01, 2.5906e+00],  
 [4.2725e+01, 3.2632e-01, 1.0773e+00],  
 [5.7765e+00, 8.3595e-04, 3.4659e-01],  
 [8.9688e+00, 4.3782e-02, 5.9830e-01],  
 [1.3927e+02, 1.9709e+00, 3.2303e+00],  
 [2.9030e+01, 2.5759e-01, 1.7089e+00],  
 [1.3400e+01, 4.3865e-02, 9.5429e-01],  
 [8.7205e+00, 3.4099e-02, 6.4984e-01],  
 [1.2128e+02, 5.9113e-01, 3.3864e+00],  
 [1.9310e+00, 4.8661e-04, 9.7474e-02],  
 [7.1192e-01, 1.0011e-04, 5.3617e-02],  
 [8.9611e+00, 2.1144e-03, 3.2725e-01],  
 [1.7149e+01, 2.1294e-02, 7.1390e-01],  
 [6.5808e-01, 5.3389e-06, 5.3055e-02],  
 [7.0861e+00, 4.0936e-03, 2.4443e-01],  
 [3.5404e+01, 3.5494e-01, 1.4770e+00],  
 [5.7352e-01, 8.9607e-05, 5.1749e-02],  
 [3.2497e+00, 5.0704e-03, 2.1729e-01],  
 [1.6106e+01, 1.8874e-02, 7.3892e-01],  
 [5.7567e-01, 1.3353e-04, 6.1874e-02],  
 [3.0267e+00, 5.1418e-04, 1.7272e-01],  
 [1.7790e-03, 2.7688e-09, 2.8414e-04],  
 [6.1109e-01, 7.9210e-05, 6.2829e-02],  
 [3.7539e+00, 8.6922e-04, 1.5064e-01],  
 [1.0165e-01, 7.3452e-07, 1.4774e-02],  
 [1.2768e+02, 2.0044e+00, 2.2577e+00],  
 [3.7039e+00, 5.3498e-03, 3.4563e-01],  
 [4.1404e+01, 1.3706e-01, 1.0597e+00],  
 [1.2998e+01, 1.0985e-01, 8.5973e-01],

[6.2653e+00, 2.5098e-02, 4.7575e-01],  
 [2.4332e+01, 2.6162e-01, 1.3774e+00],  
 [4.1157e+01, 1.1535e-01, 9.1536e-01],  
 [1.0796e-01, 1.7039e-06, 1.4959e-02],  
 [3.3605e+01, 2.3393e-01, 2.2659e+00],  
 [3.3468e+01, 7.3597e-02, 8.0761e-01],  
 [1.2506e+01, 3.6050e-02, 6.0524e-01],  
 [3.6056e-02, 8.8878e-08, 5.2056e-03],  
 [5.1460e+00, 6.9605e-04, 3.0192e-01],  
 [2.2833e+01, 7.2380e-03, 8.2050e-01],  
 [1.4203e-02, 7.4584e-08, 2.2053e-03],  
 [1.2428e+02, 1.6157e+00, 3.6293e+00],  
 [3.7389e+01, 1.2856e-01, 7.6904e-01],  
 [1.3560e+01, 3.2488e-02, 7.6824e-01],  
 [5.2853e+01, 8.1881e-01, 1.8204e+00],  
 [1.1413e+02, 1.2405e+00, 2.2089e+00],  
 [4.4664e+01, 7.0180e-02, 1.7862e+00],  
 [6.4041e+01, 4.0409e-01, 3.4987e+00],  
 [5.0529e+00, 1.1812e-02, 5.8923e-01],  
 [1.5808e+02, 3.4141e+00, 4.0019e+00],  
 [5.7684e+00, 8.3738e-03, 3.6223e-01],  
 [4.4170e+01, 1.6684e-01, 1.0939e+00],  
 [7.2993e+00, 9.8105e-03, 2.9358e-01],  
 [7.4279e-03, 4.9419e-08, 1.1782e-03],  
 [6.1528e+01, 7.2202e-01, 2.4585e+00],  
 [5.1206e-01, 2.8392e-05, 4.2833e-02],  
 [3.3794e-01, 3.6070e-05, 3.1427e-02],  
 [1.4378e-01, 3.2501e-05, 2.0886e-02],  
 [3.8161e+01, 1.2256e-01, 1.2288e+00],  
 [5.6432e-01, 6.3775e-05, 8.0439e-02],  
 [1.3671e+00, 2.1321e-04, 1.0631e-01],  
 [5.4909e+01, 6.5664e-01, 1.5682e+00],  
 [1.5949e+02, 2.5592e+00, 4.0142e+00],  
 [2.3829e+00, 1.0287e-03, 2.1877e-01],  
 [5.7955e-03, 1.1395e-08, 9.0771e-04],  
 [5.3164e+00, 5.0708e-03, 3.0427e-01],  
 [1.9602e+00, 4.6059e-04, 1.1248e-01],  
 [3.7461e-01, 4.3140e-05, 2.9388e-02],  
 [2.7410e+01, 1.5751e-01, 1.5419e+00],  
 [2.8967e+00, 1.1997e-03, 1.5262e-01],  
 [8.2636e+01, 1.3800e+00, 2.1695e+00],  
 [2.0067e+02, 4.0700e+00, 3.7633e+00],  
 [1.0201e+02, 3.4027e+00, 2.8207e+00],  
 [5.2512e-02, 2.2301e-07, 7.7748e-03],  
 [8.1735e-01, 3.5799e-04, 7.5474e-02],  
 [2.4549e+01, 3.9222e-02, 9.1186e-01],  
 [3.1093e+01, 1.9766e-01, 1.0384e+00],  
 [2.2832e-01, 1.7323e-05, 2.5765e-02],



[5.7808e+01, 6.4075e-02, 2.8608e+00],  
[7.1757e+00, 3.3444e-02, 6.2331e-01],  
[3.8992e+01, 6.0109e-02, 1.5164e+00],  
[2.2565e+01, 3.8419e-02, 1.1573e+00],  
[4.5843e+00, 1.2606e-02, 5.1167e-01],  
[3.7692e+00, 5.1507e-03, 2.4225e-01],  
[2.1495e+00, 4.9038e-04, 2.2087e-01],  
[1.9451e-01, 6.8347e-06, 1.9265e-02],  
[1.9821e-01, 1.5030e-05, 2.3889e-02],  
[8.1071e+01, 1.0185e+00, 2.5908e+00],  
[1.2347e+01, 4.4019e-02, 8.1876e-01],  
[2.2996e-02, 1.7923e-07, 3.3598e-03],  
[8.8674e+01, 4.5529e-01, 3.6036e+00],  
[1.0526e+02, 2.9758e+00, 4.2264e+00],  
[2.5596e-01, 6.5440e-06, 3.1983e-02],  
[4.9765e-01, 2.9415e-05, 4.3556e-02],  
[2.2141e+00, 1.6926e-03, 2.8412e-01],  
[5.9726e+01, 5.4884e-01, 1.8738e+00],  
[1.0310e+00, 3.3577e-04, 8.8575e-02],  
[9.4632e-02, 4.1074e-06, 1.3441e-02],  
[1.5776e-01, 1.3766e-05, 2.2388e-02],  
[1.3450e+02, 1.5254e+00, 2.3527e+00],  
[2.8695e-01, 8.1481e-06, 3.1622e-02],  
[2.2628e+00, 8.0124e-05, 1.6361e-01],  
[7.9241e-03, 2.7321e-08, 1.2433e-03],  
[1.2041e+00, 8.0320e-05, 6.5679e-02],  
[1.7213e+01, 5.5704e-02, 5.2890e-01],  
[1.1489e+01, 2.5124e-02, 8.0509e-01],  
[3.9079e+01, 2.1822e-01, 1.8513e+00],  
[5.8849e+01, 6.2163e-01, 1.9952e+00],  
[1.7054e+00, 1.3701e-03, 1.4496e-01],  
[6.0141e+00, 1.1804e-02, 3.1822e-01],  
[2.5217e+01, 3.4940e-02, 1.5906e+00],  
[4.3454e+01, 4.1488e-01, 1.2643e+00],  
[2.3853e+02, 2.9052e+00, 4.2699e+00],  
[8.2278e+01, 1.2176e+00, 2.4563e+00],  
[6.0500e+01, 1.3609e-01, 1.9560e+00],  
[1.6554e+01, 7.7841e-02, 1.1574e+00],  
[6.8152e+01, 1.9370e-01, 1.7458e+00],  
[9.1625e+01, 2.6818e-01, 2.7414e+00],  
[1.9420e-01, 1.3960e-05, 1.9754e-02],  
[1.6369e+02, 3.0606e+00, 3.5111e+00],  
[1.8290e+00, 3.7276e-04, 9.4497e-02],  
[5.9704e+01, 4.9583e-01, 2.4628e+00],  
[2.4477e+00, 2.8436e-03, 2.6230e-01],  
[2.6651e-02, 1.6657e-07, 4.1592e-03],  
[1.0197e+01, 1.1075e-02, 3.9896e-01],  
[1.0557e+02, 5.4198e-01, 4.2829e+00],

```

[3.4557e+01, 1.3648e-01, 2.2366e+00],
[6.0220e+01, 7.2443e-02, 2.1729e+00],
[1.3090e+00, 5.0691e-04, 1.0194e-01],
[1.5685e+02, 3.6137e+00, 3.3658e+00],
[5.6078e+01, 6.1708e-01, 1.3496e+00],
[1.6833e-01, 3.4443e-06, 2.4894e-02],
[7.0792e+01, 4.2480e-01, 2.4181e+00],
[3.5604e-02, 3.2005e-07, 4.8928e-03],
[5.9730e+00, 7.1332e-03, 3.0986e-01],
[2.0250e+00, 3.7111e-04, 2.0708e-01],
[1.2295e-02, 3.8157e-08, 1.9044e-03],
[2.4338e+01, 7.9396e-02, 7.4602e-01],
[6.5584e+00, 1.3987e-02, 4.8264e-01],
[8.6819e-01, 1.6375e-05, 7.2890e-02],
[6.4844e+00, 6.8558e-03, 4.1840e-01],
[1.2873e+00, 3.1548e-04, 1.8618e-01],
[1.8170e-01, 4.3936e-06, 1.8687e-02],
[1.0103e-01, 1.5440e-06, 1.2794e-02],
[8.3608e+00, 1.8594e-02, 4.2443e-01],
[1.9118e+00, 5.4991e-04, 1.3664e-01],
[1.2915e+01, 2.6777e-02, 4.9403e-01],
[1.9804e+01, 8.0647e-02, 6.5444e-01],
[7.2791e+00, 1.8251e-02, 3.7586e-01],
[1.2191e-02, 1.7517e-07, 1.8026e-03],
[2.0785e-02, 1.1068e-07, 3.3346e-03],
[3.6766e-02, 2.8298e-07, 5.4207e-03],
[1.4382e+00, 9.7259e-04, 1.7462e-01],
[7.9808e+01, 6.4538e-01, 1.7859e+00],
[5.2206e-01, 1.1157e-04, 4.9846e-02],
[2.7615e+01, 1.5101e-02, 1.1574e+00],
[3.4640e-02, 1.8023e-06, 5.0914e-03],
[3.8873e+01, 1.4264e-01, 2.3485e+00],
[2.5154e+01, 1.0167e-01, 1.6421e+00],
[1.4397e+00, 6.6863e-05, 1.4405e-01],
[2.1321e+01, 2.5071e-01, 1.1851e+00],
[7.8371e+00, 3.0506e-02, 4.6002e-01]], dtype=torch.float64)
Iteration: 5
Inputs: tensor([[2.7014e+18, 1.8401e+02, 1.9523e+01, 3.2923e+00],
[2.4309e+18, 1.0124e+02, 9.2853e+00, 1.4776e+00],
[4.1452e+20, 4.9645e+02, 1.8126e+01, 5.3468e+00],
...,
[2.7050e+20, 6.1379e+01, 5.3388e+00, 9.1834e+00],
[2.7954e+20, 4.3312e+02, 8.8662e+00, 5.2134e+00],
[1.1380e+19, 2.5827e+02, 1.4561e+01, 2.2464e+00]]), dtype=torch.float64)
Target: tensor([[3.5490e-02, 5.6225e-07, 5.1558e-03],
[8.2417e-03, 7.6775e-09, 1.2837e-03],
[1.0644e+02, 1.6766e+00, 3.0604e+00],
[3.8931e-02, 1.0362e-06, 5.8561e-03],

```

[3.9711e+01, 1.7299e-02, 2.2364e+00],  
 [5.5325e+00, 2.4189e-03, 4.2251e-01],  
 [4.1134e+00, 1.6706e-03, 4.7626e-01],  
 [1.1128e+01, 5.2744e-03, 4.6663e-01],  
 [7.3419e+01, 2.2937e-01, 1.9386e+00],  
 [4.2096e+00, 4.1799e-03, 2.2625e-01],  
 [5.4912e+01, 3.2636e-01, 1.8906e+00],  
 [7.4520e+00, 4.2577e-04, 3.0265e-01],  
 [3.1768e+00, 2.3827e-03, 2.1868e-01],  
 [3.8044e+01, 2.4146e-01, 1.1443e+00],  
 [2.7639e+01, 5.3592e-02, 1.1905e+00],  
 [4.4931e-01, 7.5614e-05, 4.6458e-02],  
 [7.8670e+01, 6.1609e-01, 1.5423e+00],  
 [1.4637e+00, 4.2417e-04, 2.0662e-01],  
 [1.2803e-02, 1.6386e-07, 1.9275e-03],  
 [3.8512e+01, 2.2850e-02, 1.0097e+00],  
 [6.4094e+01, 6.6008e-01, 2.9430e+00],  
 [3.9347e-01, 3.7970e-05, 5.1922e-02],  
 [8.2204e+00, 1.0816e-02, 4.0740e-01],  
 [7.2464e+01, 6.6889e-01, 3.4283e+00],  
 [6.0123e+01, 3.2820e-01, 3.0716e+00],  
 [5.9541e-02, 1.0171e-06, 8.1354e-03],  
 [1.5509e+01, 4.3000e-02, 7.5727e-01],  
 [2.9487e+00, 4.9088e-03, 3.1761e-01],  
 [1.4447e+00, 3.1655e-04, 9.1101e-02],  
 [9.4975e-02, 2.9615e-06, 1.1937e-02],  
 [7.5837e-01, 1.7122e-04, 7.8154e-02],  
 [2.9843e-01, 4.6303e-05, 3.6781e-02],  
 [1.8325e-01, 1.2443e-05, 1.8896e-02],  
 [2.0199e+00, 1.8915e-04, 1.3680e-01],  
 [7.0821e+01, 1.3649e+00, 2.0167e+00],  
 [2.3633e+00, 6.4732e-05, 1.9544e-01],  
 [1.4505e-01, 2.4763e-06, 1.7541e-02],  
 [1.4841e+02, 1.0998e+00, 3.0014e+00],  
 [2.4563e+02, 2.7465e+00, 4.6171e+00],  
 [3.5250e+01, 4.0301e-01, 1.1190e+00],  
 [1.6907e-02, 1.3029e-07, 2.6221e-03],  
 [2.5450e+00, 2.4548e-03, 1.9936e-01],  
 [4.8962e+00, 8.1415e-03, 3.3228e-01],  
 [8.5294e-02, 5.7031e-06, 1.2073e-02],  
 [6.7005e+01, 2.5620e-01, 2.2852e+00],  
 [7.9359e+01, 1.0943e+00, 2.3896e+00],  
 [2.9469e+01, 3.0746e-01, 1.1672e+00],  
 [1.8765e+00, 4.3155e-04, 1.2658e-01],  
 [1.8019e-01, 8.8465e-06, 2.4973e-02],  
 [1.0684e+00, 2.5323e-04, 1.2270e-01],  
 [3.0850e-01, 2.9319e-05, 3.4908e-02],  
 [5.2906e+00, 2.6093e-03, 5.1493e-01],

[1.8283e+00, 4.7228e-04, 2.1120e-01],  
 [1.2115e+01, 3.5644e-03, 4.6702e-01],  
 [9.9752e-02, 6.7423e-06, 1.2011e-02],  
 [2.0931e+01, 2.4616e-01, 1.4101e+00],  
 [1.4377e-01, 1.6802e-05, 1.8734e-02],  
 [7.0267e+01, 1.9892e-01, 2.3019e+00],  
 [3.5642e+01, 3.3870e-01, 1.7273e+00],  
 [3.2620e+01, 1.5329e-01, 1.8817e+00],  
 [1.9809e+00, 1.2644e-03, 1.8995e-01],  
 [6.2419e-01, 1.0920e-04, 7.7172e-02],  
 [6.7654e+00, 2.5360e-02, 6.8225e-01],  
 [1.6503e+01, 8.3859e-02, 6.8928e-01],  
 [3.4247e+00, 1.6457e-03, 2.6782e-01],  
 [2.1738e+00, 1.0741e-04, 1.0269e-01],  
 [4.0730e+01, 3.2886e-01, 1.9299e+00],  
 [1.5803e+00, 6.4380e-04, 1.4221e-01],  
 [9.2054e-01, 1.4901e-04, 9.7713e-02],  
 [1.2065e+01, 2.4266e-02, 8.3613e-01],  
 [3.8921e+01, 1.3095e-01, 2.0925e+00],  
 [1.9040e-01, 2.4049e-05, 2.6332e-02],  
 [1.6107e-02, 3.5175e-08, 2.5806e-03],  
 [5.9017e+01, 1.8053e-01, 1.2706e+00],  
 [1.1752e-02, 4.1381e-08, 1.8022e-03],  
 [2.2218e-01, 4.0547e-05, 2.5880e-02],  
 [6.2430e+01, 1.4045e+00, 1.9945e+00],  
 [1.3287e+02, 7.0791e-01, 4.5796e+00],  
 [4.6214e+01, 2.9021e-01, 1.4368e+00],  
 [1.0266e+00, 1.5435e-04, 9.2743e-02],  
 [7.4741e+00, 2.6270e-04, 3.4527e-01],  
 [5.9628e+00, 8.6136e-03, 3.6709e-01],  
 [3.7731e+00, 4.1607e-03, 3.0440e-01],  
 [5.5065e-01, 1.2375e-04, 6.8335e-02],  
 [7.5853e-01, 6.6988e-05, 6.2793e-02],  
 [7.5532e+01, 7.7459e-01, 2.0944e+00],  
 [9.0206e+00, 2.1760e-02, 4.9473e-01],  
 [2.8415e+01, 2.7880e-01, 2.0325e+00],  
 [1.0566e+00, 3.1008e-04, 7.9217e-02],  
 [1.0441e+02, 1.0249e+00, 4.0331e+00],  
 [3.5070e+01, 2.4936e-01, 2.6093e+00],  
 [1.3408e-01, 3.3598e-06, 1.6011e-02],  
 [8.2008e+01, 4.2506e-01, 3.5275e+00],  
 [4.2876e+00, 1.5018e-03, 3.6342e-01],  
 [1.0145e+02, 9.7320e-01, 3.8842e+00],  
 [5.9483e-01, 3.6151e-04, 8.5307e-02],  
 [7.5698e+01, 1.7921e+00, 2.2624e+00],  
 [2.5305e+00, 3.7679e-04, 2.3188e-01],  
 [1.1110e+01, 1.7025e-02, 4.9370e-01],  
 [1.6958e+01, 1.0718e-01, 8.7963e-01],

[1.0778e+00, 2.7281e-04, 9.1248e-02],  
 [9.9117e-01, 5.9514e-04, 8.4113e-02],  
 [7.8665e-01, 4.1402e-05, 4.7301e-02],  
 [1.2909e+01, 1.0969e-02, 1.0147e+00],  
 [1.7527e-02, 1.3290e-07, 2.5838e-03],  
 [9.3446e+00, 1.1653e-03, 9.6602e-01],  
 [4.4389e+00, 6.6606e-03, 3.2352e-01],  
 [4.4702e+01, 5.6031e-01, 2.2702e+00],  
 [1.3278e+02, 4.4305e+00, 3.6984e+00],  
 [1.0943e+01, 9.6612e-03, 6.3249e-01],  
 [2.1748e+01, 6.7931e-02, 9.4520e-01],  
 [5.1070e-02, 6.4423e-07, 7.0252e-03],  
 [1.1928e+01, 5.0760e-02, 6.0416e-01],  
 [2.0466e-02, 2.3378e-07, 3.0080e-03],  
 [2.9534e-04, 1.5549e-11, 4.8340e-05],  
 [5.7917e-01, 2.7909e-04, 7.5307e-02],  
 [1.2958e+02, 1.3617e+00, 2.3160e+00],  
 [3.9985e+00, 6.0309e-04, 3.2351e-01],  
 [7.0564e+00, 8.9655e-03, 4.2063e-01],  
 [8.1228e+01, 4.5612e-01, 2.9829e+00],  
 [4.4491e-01, 9.0619e-05, 6.1547e-02],  
 [5.1570e+01, 2.4834e-01, 2.4820e+00],  
 [4.0269e+01, 2.4575e-01, 1.3551e+00],  
 [3.6335e+00, 4.4950e-04, 2.4937e-01],  
 [4.5916e+00, 6.2377e-03, 3.7364e-01],  
 [7.0688e+01, 8.7768e-01, 2.1846e+00],  
 [3.1768e-03, 8.1806e-09, 5.0208e-04],  
 [9.2898e-02, 5.0373e-07, 1.1528e-02],  
 [3.2800e+01, 1.7780e-01, 1.2359e+00],  
 [1.2580e-01, 2.4760e-06, 1.6122e-02],  
 [1.3754e-01, 5.8499e-06, 1.4776e-02],  
 [2.8143e+00, 4.4532e-03, 2.3509e-01],  
 [7.7666e+01, 6.4550e-01, 3.3106e+00],  
 [6.0399e+01, 3.2807e-01, 1.6051e+00],  
 [5.6287e-01, 8.7955e-05, 5.1165e-02],  
 [7.2378e+00, 1.5196e-03, 5.4270e-01],  
 [1.0625e+01, 1.2414e-02, 1.0261e+00],  
 [2.4967e+01, 6.4923e-02, 8.6267e-01],  
 [4.1037e+01, 6.0640e-01, 2.3601e+00],  
 [4.2192e+01, 1.6731e-01, 1.3536e+00],  
 [1.8465e+01, 4.6474e-02, 8.9153e-01],  
 [1.3686e+00, 1.4922e-04, 1.0474e-01],  
 [1.6127e+01, 1.8635e-02, 6.8328e-01],  
 [6.8377e+01, 7.9298e-01, 2.0923e+00],  
 [7.0676e-02, 1.6961e-06, 9.0606e-03],  
 [3.4496e+00, 4.4851e-03, 2.7548e-01],  
 [2.0092e-01, 1.1032e-05, 2.1881e-02],  
 [6.1923e-02, 1.7844e-07, 7.7930e-03],

[3.1307e+01, 5.1797e-01, 1.9590e+00],  
 [2.8247e+01, 1.5161e-01, 1.2921e+00],  
 [2.7746e-01, 4.1242e-06, 2.4859e-02],  
 [2.4792e+02, 5.2533e+00, 4.1123e+00],  
 [5.7906e+01, 5.0065e-01, 1.5227e+00],  
 [1.3077e+00, 2.5647e-04, 7.3792e-02],  
 [3.7692e+01, 2.8583e-01, 1.8277e+00],  
 [1.1951e+00, 7.0304e-04, 1.5220e-01],  
 [2.4654e-01, 1.8247e-05, 2.7636e-02],  
 [4.7513e+01, 9.3790e-02, 2.1940e+00],  
 [7.1269e+00, 1.5961e-02, 3.6223e-01],  
 [1.1081e+01, 1.2429e-02, 4.8441e-01],  
 [2.9466e+00, 1.8891e-03, 2.5809e-01],  
 [1.3222e+00, 4.8154e-04, 8.2719e-02],  
 [7.6846e-02, 2.4022e-06, 9.8891e-03],  
 [8.8382e-01, 1.7454e-04, 1.2238e-01],  
 [1.0992e+01, 6.5272e-02, 6.9504e-01],  
 [1.3859e+02, 1.4498e+00, 2.8731e+00],  
 [1.5926e-01, 8.1768e-06, 1.9542e-02],  
 [1.0396e+01, 1.0247e-02, 6.7756e-01],  
 [1.6375e+00, 4.9945e-04, 1.1736e-01],  
 [5.9275e-02, 2.3284e-06, 8.1972e-03],  
 [3.2554e+01, 6.9422e-02, 1.3012e+00],  
 [3.5915e-02, 5.9701e-07, 4.8626e-03],  
 [4.6779e+01, 7.8296e-01, 1.8907e+00],  
 [4.2749e-01, 5.2316e-05, 4.4084e-02],  
 [8.3967e+01, 1.2440e-01, 3.3706e+00],  
 [2.5557e-01, 6.1566e-06, 3.1211e-02],  
 [8.9780e+01, 2.5528e+00, 3.4830e+00],  
 [6.9011e+00, 1.4197e-03, 3.5044e-01],  
 [1.1960e-02, 1.0483e-07, 1.8146e-03],  
 [1.4921e-01, 1.9581e-05, 2.0040e-02],  
 [1.7468e+01, 1.3538e-01, 1.3949e+00],  
 [2.8249e-01, 6.6049e-05, 3.4357e-02],  
 [1.3909e+02, 6.4772e-01, 3.5782e+00],  
 [8.3347e-01, 1.5237e-04, 5.5698e-02],  
 [5.6038e-01, 3.5124e-05, 4.4353e-02],  
 [6.6647e+01, 6.3921e-01, 1.8477e+00],  
 [5.9037e+01, 5.8243e-02, 2.7548e+00],  
 [4.3342e-02, 4.6267e-07, 5.6918e-03],  
 [3.4865e+01, 2.8621e-01, 1.1682e+00],  
 [1.9494e+01, 2.9237e-02, 1.6906e+00],  
 [9.8085e+00, 5.3490e-04, 4.5220e-01],  
 [7.5345e+01, 9.9659e-01, 2.4960e+00],  
 [4.8518e-01, 1.8883e-04, 5.8061e-02],  
 [4.4357e+01, 3.4092e-01, 1.0379e+00],  
 [1.9619e+01, 1.3806e-01, 1.0932e+00],  
 [4.0630e+01, 6.0880e-02, 1.0956e+00],

[2.2193e+01, 9.9106e-02, 9.1972e-01],  
 [9.4613e+00, 2.1706e-02, 4.8033e-01],  
 [1.1897e+00, 1.9889e-04, 1.1506e-01],  
 [4.1745e+01, 1.3167e-01, 1.1796e+00],  
 [1.7837e+00, 3.6492e-04, 1.3739e-01],  
 [2.7593e-02, 2.5260e-07, 3.8630e-03],  
 [1.9033e+01, 4.8860e-02, 9.0557e-01],  
 [3.3248e+01, 1.1046e-01, 2.4566e+00],  
 [1.1806e+02, 5.8063e-01, 2.5095e+00],  
 [2.4650e+02, 9.2882e+00, 5.0512e+00],  
 [8.1138e+00, 1.9894e-03, 4.9767e-01],  
 [4.6796e-01, 2.2460e-05, 5.7439e-02],  
 [7.6265e+01, 6.1600e-01, 2.6985e+00],  
 [2.5448e+01, 1.2895e-01, 1.0304e+00],  
 [1.2456e+02, 7.1068e-01, 3.3342e+00],  
 [3.4577e-01, 1.3853e-05, 3.2732e-02],  
 [2.4606e+01, 6.6441e-03, 9.2954e-01],  
 [6.4172e+00, 3.1210e-03, 3.9571e-01],  
 [2.3752e-01, 1.6796e-05, 2.4229e-02],  
 [1.4223e+01, 5.4094e-02, 6.6939e-01],  
 [9.2183e-02, 6.5798e-06, 1.1280e-02],  
 [1.1301e+00, 7.6976e-04, 1.4354e-01],  
 [1.2806e-01, 1.2419e-05, 1.7334e-02],  
 [1.5421e+00, 7.9270e-04, 1.6841e-01],  
 [3.4797e+01, 3.3039e-01, 2.5587e+00],  
 [1.2911e+00, 4.8944e-04, 1.2958e-01],  
 [4.2145e+01, 7.9451e-01, 1.8331e+00],  
 [1.3158e+02, 1.6771e+00, 2.7149e+00],  
 [3.3909e+00, 5.7841e-03, 2.6274e-01],  
 [1.2429e+00, 2.2241e-04, 8.7055e-02],  
 [4.1264e+01, 8.2130e-02, 2.0225e+00],  
 [7.8355e+00, 1.7105e-02, 5.3444e-01],  
 [3.6820e-01, 4.0177e-05, 3.2228e-02],  
 [1.2438e+01, 3.0991e-02, 7.4565e-01],  
 [4.7582e+00, 4.6616e-03, 5.5510e-01],  
 [2.6940e-03, 1.1709e-09, 4.3340e-04],  
 [2.8670e+01, 2.4712e-01, 1.4216e+00],  
 [1.4114e+00, 2.8327e-04, 8.1912e-02],  
 [4.3011e-01, 8.3041e-05, 3.8738e-02],  
 [2.9631e+01, 8.1514e-02, 1.5783e+00],  
 [3.8621e+00, 5.2676e-03, 2.5400e-01],  
 [1.2062e+00, 2.9655e-04, 1.0011e-01],  
 [7.7689e-02, 6.1242e-06, 1.1488e-02],  
 [9.0652e+00, 1.3559e-02, 5.7685e-01],  
 [6.4412e+00, 2.9658e-03, 3.8533e-01],  
 [1.0004e+00, 4.0698e-04, 1.2216e-01],  
 [2.0791e+01, 4.4647e-02, 1.1866e+00],  
 [5.3234e+01, 3.8425e-01, 2.6360e+00],

[2.2222e+02, 6.7171e+00, 5.0127e+00],  
 [8.7934e+01, 1.9345e+00, 3.3176e+00],  
 [2.1626e+01, 1.6076e-02, 1.0624e+00],  
 [2.0202e+01, 1.0063e-01, 1.0232e+00],  
 [8.8879e-02, 1.6462e-06, 1.0809e-02],  
 [1.0061e-03, 1.8152e-10, 1.6353e-04],  
 [1.3063e+01, 1.6497e-02, 7.7212e-01],  
 [3.9177e+01, 3.5972e-01, 1.2061e+00],  
 [2.8055e+01, 1.8506e-01, 1.3864e+00],  
 [6.7567e+01, 4.0175e-01, 2.4011e+00],  
 [2.7406e+01, 3.0548e-01, 2.0993e+00],  
 [1.5696e-01, 1.0141e-06, 1.8303e-02],  
 [9.6195e-02, 2.4557e-07, 1.1929e-02],  
 [8.8675e+01, 3.7047e-01, 2.2547e+00],  
 [5.7870e+01, 4.3620e-01, 2.1374e+00],  
 [1.7975e+02, 4.3124e+00, 4.2979e+00],  
 [1.5597e+00, 8.0564e-04, 1.2470e-01],  
 [3.7118e+01, 2.3508e-01, 1.2614e+00],  
 [8.8297e+01, 1.0570e-01, 2.3656e+00],  
 [2.0715e+02, 2.3329e+00, 4.1843e+00],  
 [3.0353e-01, 2.7943e-05, 3.1365e-02],  
 [6.2691e+00, 7.8520e-03, 4.6252e-01],  
 [1.5232e+02, 2.2420e+00, 3.6484e+00],  
 [1.8904e+01, 4.1743e-02, 6.6336e-01],  
 [4.0604e+01, 7.5842e-02, 1.5618e+00],  
 [1.4913e-01, 1.1461e-05, 2.0330e-02],  
 [2.0077e+02, 5.9117e+00, 3.4172e+00],  
 [3.6325e-02, 3.1911e-07, 5.2544e-03],  
 [3.0066e-03, 5.7095e-09, 4.8106e-04],  
 [7.3532e-02, 9.0522e-07, 9.3531e-03],  
 [1.1598e+00, 2.8504e-04, 1.2245e-01],  
 [4.1826e+01, 5.2343e-01, 1.2249e+00],  
 [4.2463e+01, 1.1173e-01, 1.5114e+00],  
 [3.4242e+01, 3.2100e-01, 1.3088e+00],  
 [3.4913e-01, 9.2237e-06, 3.7229e-02],  
 [6.1561e-02, 6.0731e-07, 8.6650e-03],  
 [1.9243e-02, 2.5355e-07, 2.8840e-03],  
 [2.0732e+01, 1.6631e-02, 1.4649e+00],  
 [1.2445e+00, 6.8556e-04, 1.3253e-01],  
 [2.3039e+00, 2.1411e-03, 2.0346e-01],  
 [4.7537e-01, 2.3854e-04, 6.4247e-02],  
 [1.8968e+00, 4.5939e-04, 1.3915e-01],  
 [4.3488e-02, 4.0600e-07, 6.0899e-03],  
 [1.7331e+00, 1.7284e-04, 1.3954e-01],  
 [2.1185e-01, 2.4838e-05, 3.2329e-02],  
 [4.6019e-01, 1.6953e-05, 5.9165e-02],  
 [1.0156e+01, 3.0079e-03, 3.7227e-01],  
 [1.6432e+00, 5.7421e-04, 2.1232e-01],



```

[1.0005e+00, 2.3492e-04, 8.5620e-02],
[1.0314e+02, 1.7786e+00, 4.0979e+00],
[5.6995e-03, 9.2605e-09, 8.8280e-04],
[1.4669e+02, 2.0399e+00, 3.4672e+00],
[3.6598e-01, 5.8349e-05, 3.5242e-02],
[9.3729e+01, 9.3117e-01, 2.8976e+00],
[8.2612e-01, 1.6428e-04, 1.0041e-01],
[1.7069e+00, 5.4825e-04, 1.3311e-01],
[4.6125e-02, 7.7753e-07, 6.1010e-03],
[1.6262e+02, 3.1657e+00, 3.6703e+00],
[2.4690e+00, 2.9100e-04, 2.4860e-01],
[6.6627e+01, 2.3544e-02, 2.2079e+00],
[1.3844e+01, 1.5530e-02, 6.3394e-01],
[3.9661e+00, 2.3447e-04, 2.9418e-01],
[7.0136e+00, 1.7218e-02, 3.9001e-01],
[1.1777e-01, 7.8314e-06, 1.3534e-02],
[1.1968e+00, 4.4181e-05, 7.8590e-02],
[8.0546e+00, 1.2651e-02, 5.1123e-01],
[6.5822e+01, 7.1261e-01, 1.8016e+00],
[3.4714e-01, 3.0612e-05, 4.3424e-02],
[2.4540e+01, 5.7533e-02, 1.5246e+00],
[6.3781e+00, 1.7274e-02, 7.0282e-01],
[6.0013e+00, 2.4782e-03, 2.3101e-01],
[5.1536e-01, 5.4085e-05, 4.8425e-02],
[3.7391e+01, 9.6194e-02, 1.0881e+00],
[2.9399e+01, 2.5058e-01, 1.7692e+00],
[1.0172e+02, 8.6464e-01, 2.5337e+00],
[6.5313e-01, 6.7884e-05, 7.5915e-02]], dtype=torch.float64)
Iteration: 6
Inputs: tensor([[2.1180e+20, 4.4106e+02, 4.8299e+00, 1.5291e+00],
[1.6960e+20, 2.7803e+02, 1.0138e+01, 9.9280e+00],
[4.1750e+18, 4.7399e+02, 3.3602e+00, 4.4040e+00],
...,
[9.0860e+18, 4.5853e+02, 3.3746e+00, 9.7620e+00],
[1.6425e+20, 4.8088e+02, 1.8291e+01, 1.2557e+00],
[6.6334e+20, 2.9354e+02, 8.1742e+00, 9.2555e+00]], dtype=torch.float64)
Target: tensor([[6.3071e+01, 5.0324e-02, 2.0661e+00],
[6.4206e+01, 1.0350e+00, 1.8747e+00],
[2.5868e+00, 2.9198e-04, 1.3592e-01],
[1.8762e+00, 3.4422e-04, 1.9037e-01],
[1.5183e+01, 7.2406e-02, 7.8986e-01],
[5.9169e+00, 2.3964e-03, 2.7556e-01],
[5.1059e+00, 1.0175e-02, 5.7080e-01],
[1.0516e+00, 4.1500e-04, 7.8480e-02],
[1.5764e+01, 1.0818e-01, 1.3877e+00],
[1.1754e+01, 7.6043e-02, 1.1130e+00],
[5.1972e+01, 9.7304e-02, 2.3595e+00],
[8.5802e+00, 6.8291e-03, 7.8637e-01],

```

[1.8681e+02, 4.0195e+00, 3.5157e+00],  
[2.5298e+01, 2.5403e-01, 1.9444e+00],  
[1.3079e+02, 1.8773e+00, 4.3347e+00],  
[4.1300e-02, 3.7814e-07, 5.5232e-03],  
[1.9716e+00, 3.8408e-04, 1.7259e-01],  
[7.1525e+01, 1.1823e+00, 2.7078e+00],  
[1.1767e+02, 3.1506e+00, 2.7776e+00],  
[3.4869e-01, 4.1242e-05, 3.7698e-02],  
[3.4834e+00, 6.7867e-04, 2.3351e-01],  
[1.0517e+00, 1.4708e-05, 9.2679e-02],  
[1.6729e+01, 2.3441e-02, 1.1362e+00],  
[1.0818e+02, 6.0788e-01, 3.9918e+00],  
[5.5892e-01, 4.7610e-05, 6.7480e-02],  
[4.6137e-02, 1.2034e-06, 6.8458e-03],  
[4.4049e+01, 2.1945e-01, 2.2043e+00],  
[9.3618e+00, 1.0259e-02, 4.0993e-01],  
[3.5419e+01, 3.5473e-01, 1.9883e+00],  
[1.1105e+01, 3.2115e-02, 5.0708e-01],  
[6.1871e+01, 7.0711e-01, 2.1070e+00],  
[9.4378e-01, 4.9078e-04, 8.2656e-02],  
[3.1035e-03, 5.3865e-10, 4.9310e-04],  
[3.2030e+01, 1.3808e-01, 9.3313e-01],  
[1.0672e+02, 1.0264e+00, 2.1880e+00],  
[6.0634e+01, 1.0714e+00, 2.8643e+00],  
[5.2866e+01, 2.6879e-01, 1.3023e+00],  
[1.9509e+00, 1.9938e-04, 1.2000e-01],  
[9.6976e+00, 4.0488e-02, 5.4798e-01],  
[2.5432e+02, 1.2011e+01, 4.8993e+00],  
[8.7830e-02, 5.3422e-06, 1.1023e-02],  
[5.0321e+01, 7.5076e-01, 2.8137e+00],  
[1.0759e-01, 2.1580e-06, 1.4329e-02],  
[4.2616e+00, 2.1140e-03, 4.7635e-01],  
[8.0526e+01, 8.9596e-01, 2.8116e+00],  
[1.4285e-01, 1.1806e-05, 1.7168e-02],  
[1.5231e+02, 2.6987e+00, 3.1556e+00],  
[1.9890e+01, 8.6432e-02, 7.4312e-01],  
[8.2814e-03, 4.1340e-08, 1.2652e-03],  
[6.3124e+01, 1.1917e+00, 2.1073e+00],  
[7.4142e+01, 5.5443e-01, 2.9564e+00],  
[1.7799e+01, 9.2766e-02, 7.0008e-01],  
[1.5769e+02, 1.7128e+00, 3.6852e+00],  
[9.4522e-04, 1.9589e-10, 1.5548e-04],  
[8.2311e-01, 5.8254e-04, 8.7456e-02],  
[2.4434e-01, 4.7825e-06, 3.5201e-02],  
[1.9709e+01, 4.2142e-02, 1.5037e+00],  
[1.0203e+01, 1.9339e-02, 9.4112e-01],  
[2.0023e+00, 4.3810e-04, 1.5766e-01],  
[2.0113e+00, 3.0458e-04, 9.8169e-02],

[3.1746e+00, 3.7289e-03, 3.2259e-01],  
 [2.7307e+01, 5.2426e-02, 7.9444e-01],  
 [2.5391e+02, 3.2232e+00, 5.0796e+00],  
 [1.2431e+02, 1.3789e+00, 2.9363e+00],  
 [2.0857e+01, 9.6985e-03, 8.2974e-01],  
 [1.3400e+01, 2.5069e-02, 9.0730e-01],  
 [4.5277e-02, 4.5149e-07, 6.3246e-03],  
 [2.6113e-01, 1.7769e-05, 3.3799e-02],  
 [2.4322e-01, 5.9207e-05, 3.2448e-02],  
 [5.5902e+01, 5.5039e-01, 1.2569e+00],  
 [5.9807e-02, 1.6951e-06, 7.6012e-03],  
 [5.4449e+01, 3.1478e-01, 1.9056e+00],  
 [1.9360e+01, 4.3101e-02, 6.7067e-01],  
 [1.1208e+01, 5.3980e-02, 7.9039e-01],  
 [2.0145e+02, 9.6838e-01, 4.5503e+00],  
 [9.1533e-01, 2.3871e-04, 1.1394e-01],  
 [2.4074e+02, 8.0624e+00, 4.5975e+00],  
 [2.2406e+00, 4.7483e-04, 2.2297e-01],  
 [3.2896e-01, 1.5390e-05, 3.3099e-02],  
 [9.0043e+01, 1.5002e+00, 2.7449e+00],  
 [1.9407e+02, 4.5489e+00, 4.9223e+00],  
 [1.4236e-01, 3.7156e-06, 1.7924e-02],  
 [7.6238e+00, 1.6684e-02, 4.5376e-01],  
 [2.6997e+00, 5.9365e-04, 2.4658e-01],  
 [6.0960e+01, 1.0133e+00, 1.8142e+00],  
 [4.5998e-02, 5.9210e-07, 6.1749e-03],  
 [3.1328e+01, 2.8578e-01, 1.2878e+00],  
 [2.1149e+01, 6.7664e-02, 7.3484e-01],  
 [4.5406e+01, 4.4988e-01, 1.1966e+00],  
 [6.4294e-02, 2.7535e-06, 8.1305e-03],  
 [1.5544e+00, 4.6976e-04, 1.1215e-01],  
 [1.2693e+02, 4.5884e+00, 3.3007e+00],  
 [2.0699e+00, 1.1588e-03, 1.5225e-01],  
 [5.6068e+01, 1.0501e-01, 1.3858e+00],  
 [2.5542e+01, 2.3161e-01, 1.5885e+00],  
 [8.5087e-01, 4.1090e-05, 8.2995e-02],  
 [1.0963e-02, 1.1793e-08, 1.6360e-03],  
 [5.1262e+00, 2.5531e-03, 5.7276e-01],  
 [1.5538e-02, 3.7466e-08, 2.3030e-03],  
 [1.4522e+00, 5.6179e-04, 1.1831e-01],  
 [1.6427e-01, 4.6016e-06, 1.7328e-02],  
 [3.6164e+01, 1.8262e-01, 1.5030e+00],  
 [6.2666e-02, 5.6685e-06, 8.6626e-03],  
 [6.7344e+00, 9.0514e-03, 4.3043e-01],  
 [5.7294e-02, 2.7635e-07, 8.1353e-03],  
 [1.8389e+00, 3.1388e-03, 2.2003e-01],  
 [3.7170e+00, 3.7371e-03, 3.8688e-01],  
 [4.0505e-01, 3.6818e-05, 4.3253e-02],

[5.4174e-02, 6.3137e-07, 7.5795e-03],  
 [2.0609e+02, 2.5883e+00, 4.8000e+00],  
 [1.2970e+02, 2.8748e+00, 2.7411e+00],  
 [2.9133e-01, 2.8919e-05, 3.3106e-02],  
 [5.6334e-01, 5.7355e-05, 7.5780e-02],  
 [1.2200e+00, 5.1632e-05, 7.1579e-02],  
 [1.5343e+00, 2.9742e-04, 1.4384e-01],  
 [3.1527e+00, 5.2601e-04, 1.5286e-01],  
 [2.0910e+01, 3.7997e-02, 8.7175e-01],  
 [1.2409e+01, 8.7194e-03, 5.4994e-01],  
 [2.8634e+01, 2.1731e-01, 1.4994e+00],  
 [2.4099e+00, 2.0275e-03, 1.5952e-01],  
 [5.1646e-01, 4.4393e-05, 4.4976e-02],  
 [7.0485e-01, 4.5522e-05, 5.8030e-02],  
 [1.2434e-01, 6.4605e-06, 1.5730e-02],  
 [4.5903e-01, 5.1920e-05, 4.6647e-02],  
 [2.0913e+00, 4.3036e-04, 1.0022e-01],  
 [5.8001e+01, 3.2863e-01, 2.1706e+00],  
 [5.4631e+00, 2.3087e-03, 3.1996e-01],  
 [2.6385e+02, 8.5842e+00, 4.9393e+00],  
 [7.9715e-01, 1.2685e-04, 6.0534e-02],  
 [2.8080e+00, 5.0253e-03, 2.8652e-01],  
 [3.1191e+01, 5.3719e-01, 1.7566e+00],  
 [1.4384e+02, 5.0147e+00, 3.6916e+00],  
 [9.9628e+01, 2.0435e+00, 2.8977e+00],  
 [4.0503e-01, 9.5193e-05, 5.6651e-02],  
 [1.9257e+01, 1.3690e-01, 8.0085e-01],  
 [2.9438e-01, 6.7021e-05, 3.8809e-02],  
 [6.3016e+00, 3.4919e-04, 2.7593e-01],  
 [8.7599e+00, 3.4841e-03, 3.7239e-01],  
 [2.1158e-01, 2.4305e-06, 2.7651e-02],  
 [4.2846e-01, 4.8011e-05, 3.7482e-02],  
 [1.4129e+01, 9.8911e-03, 8.4602e-01],  
 [4.8708e+01, 1.0082e-01, 2.2082e+00],  
 [1.2589e+01, 2.2323e-02, 1.2907e+00],  
 [3.4231e+00, 4.0957e-03, 2.1905e-01],  
 [9.3435e-03, 2.7613e-08, 1.4549e-03],  
 [4.6237e-01, 1.4442e-05, 5.1822e-02],  
 [7.8786e+01, 9.4728e-01, 2.8431e+00],  
 [1.4086e-01, 9.0138e-06, 1.8114e-02],  
 [1.6534e+02, 9.5510e-01, 4.4074e+00],  
 [3.5310e+02, 1.4661e+01, 5.0253e+00],  
 [2.2877e+00, 1.2261e-03, 3.0692e-01],  
 [1.4759e+02, 1.0134e+00, 2.5504e+00],  
 [2.2724e+00, 2.0204e-04, 1.7460e-01],  
 [2.1434e+00, 7.7615e-04, 1.6951e-01],  
 [6.1241e+00, 6.7518e-03, 2.9503e-01],  
 [9.0691e-01, 1.8558e-04, 7.2554e-02],

[8.0451e+00, 4.9208e-03, 5.1044e-01],  
 [5.9186e+01, 1.7523e-01, 2.2986e+00],  
 [1.1094e+02, 1.5759e+00, 2.3921e+00],  
 [6.9698e+01, 2.6292e-01, 3.0723e+00],  
 [1.4520e+00, 3.0557e-04, 1.9211e-01],  
 [4.2050e-01, 1.3087e-05, 5.2381e-02],  
 [1.5088e+00, 1.0424e-04, 8.4289e-02],  
 [7.6816e+00, 2.9128e-03, 3.7748e-01],  
 [5.5116e-03, 2.2542e-09, 8.7188e-04],  
 [3.7757e+01, 8.5491e-03, 1.2859e+00],  
 [2.5623e+01, 2.7064e-01, 9.1902e-01],  
 [2.0326e-01, 1.8417e-05, 2.1416e-02],  
 [7.7515e+00, 3.7495e-03, 3.1949e-01],  
 [4.8980e-02, 1.9325e-06, 6.5417e-03],  
 [9.4483e+01, 1.3870e+00, 2.8258e+00],  
 [1.5781e+02, 5.9036e-01, 4.1372e+00],  
 [4.6840e+01, 7.4958e-02, 1.1591e+00],  
 [1.1480e+02, 1.2718e+00, 2.4181e+00],  
 [2.6583e-02, 9.9689e-08, 3.7929e-03],  
 [6.2572e+01, 4.0899e-01, 2.2631e+00],  
 [4.1322e+00, 4.7414e-03, 4.3655e-01],  
 [1.0499e-01, 1.7402e-06, 1.2731e-02],  
 [3.6130e-01, 4.6075e-05, 3.9056e-02],  
 [3.1888e+00, 4.6394e-03, 2.7852e-01],  
 [1.4484e-01, 7.9149e-06, 1.7902e-02],  
 [5.2690e+01, 1.0420e+00, 2.9088e+00],  
 [3.1703e+00, 2.3881e-03, 3.4461e-01],  
 [3.9708e+00, 1.8047e-03, 3.1069e-01],  
 [3.8228e-01, 7.2935e-05, 4.3195e-02],  
 [7.5873e+01, 3.1583e-01, 3.0728e+00],  
 [2.2888e-01, 1.8532e-05, 3.3382e-02],  
 [1.5786e-01, 9.6336e-06, 1.6314e-02],  
 [8.5455e+01, 9.7179e-01, 1.6558e+00],  
 [1.2307e-01, 5.2713e-06, 1.4285e-02],  
 [6.3125e+01, 5.4198e-02, 1.9858e+00],  
 [4.0645e+00, 3.4542e-04, 2.4187e-01],  
 [3.2143e+01, 3.2637e-02, 1.7011e+00],  
 [2.5256e+01, 1.9206e-02, 1.6774e+00],  
 [1.4096e-01, 4.1210e-07, 1.8448e-02],  
 [9.8675e+00, 1.1910e-02, 5.1265e-01],  
 [3.4130e-01, 3.1868e-05, 4.8786e-02],  
 [4.5657e+01, 7.6968e-01, 1.5788e+00],  
 [8.1443e+00, 6.1780e-03, 3.5141e-01],  
 [8.2782e+00, 5.0683e-02, 8.5707e-01],  
 [2.6992e+00, 1.2573e-04, 1.7393e-01],  
 [5.8200e+01, 3.8590e-01, 1.3272e+00],  
 [2.4052e+02, 2.5073e+00, 3.5586e+00],  
 [1.2479e+00, 4.1677e-04, 1.2426e-01],

[5.4127e+01, 5.6012e-01, 1.2532e+00],  
 [5.7783e+01, 2.1121e-01, 2.1667e+00],  
 [1.0912e+00, 4.5285e-04, 9.9917e-02],  
 [2.2633e-01, 9.9537e-06, 2.2018e-02],  
 [4.3039e+01, 5.0248e-01, 2.6243e+00],  
 [1.7926e+01, 3.0753e-02, 1.3138e+00],  
 [4.4746e-02, 1.6735e-06, 6.6661e-03],  
 [4.3050e+01, 6.5510e-02, 1.9997e+00],  
 [8.7205e-01, 3.0660e-05, 8.2331e-02],  
 [1.9144e-01, 4.5764e-06, 2.3544e-02],  
 [1.4206e+02, 5.9810e+00, 4.2727e+00],  
 [1.5553e+00, 3.5328e-04, 1.0392e-01],  
 [8.5730e-02, 2.4567e-06, 1.0148e-02],  
 [1.3938e+01, 7.4080e-03, 4.0573e-01],  
 [1.6795e+01, 1.0221e-02, 8.5734e-01],  
 [3.2420e-01, 2.5656e-05, 3.5360e-02],  
 [2.2557e-01, 2.6265e-05, 2.3949e-02],  
 [7.5139e+01, 6.2862e-02, 2.8275e+00],  
 [2.2105e-02, 1.2251e-07, 3.3705e-03],  
 [2.1155e+00, 2.5643e-03, 1.8935e-01],  
 [3.4407e+00, 2.8735e-03, 2.9129e-01],  
 [6.1002e-01, 5.7974e-05, 6.8429e-02],  
 [2.7515e+01, 2.6731e-02, 1.9144e+00],  
 [5.6812e+00, 2.6453e-03, 4.3934e-01],  
 [3.4168e+00, 5.0523e-05, 1.8481e-01],  
 [5.4191e+01, 1.6490e-01, 1.2916e+00],  
 [2.9875e-01, 2.1695e-05, 3.4552e-02],  
 [1.0340e+01, 1.5743e-02, 4.4216e-01],  
 [7.7652e+01, 4.2031e-01, 2.7116e+00],  
 [6.0784e+01, 1.3337e-01, 2.3033e+00],  
 [1.6830e+02, 6.2331e-01, 4.0265e+00],  
 [5.2759e+01, 5.0359e-01, 2.2784e+00],  
 [5.5185e+01, 8.5294e-01, 1.9714e+00],  
 [1.1042e+02, 4.2812e-01, 3.6733e+00],  
 [8.2861e+00, 1.4989e-03, 4.6380e-01],  
 [2.4747e+01, 1.6364e-01, 1.4221e+00],  
 [2.8941e+01, 2.5281e-02, 1.3796e+00],  
 [2.2058e+02, 5.8339e+00, 3.8148e+00],  
 [2.3596e+01, 4.2692e-02, 9.3724e-01],  
 [2.7981e+02, 4.0850e+00, 4.5499e+00],  
 [2.1591e+02, 5.1097e+00, 4.8559e+00],  
 [1.1282e-01, 3.0073e-06, 1.2729e-02],  
 [7.2719e+01, 1.0673e+00, 3.1061e+00],  
 [1.0290e+01, 1.4216e-02, 5.1757e-01],  
 [9.1858e+00, 2.1710e-02, 8.1023e-01],  
 [9.2620e+01, 9.3374e-01, 4.1334e+00],  
 [4.5607e-01, 1.8446e-04, 5.6215e-02],  
 [4.4761e-02, 5.7008e-07, 6.0248e-03],

[7.8310e+00, 3.7289e-03, 5.8630e-01],  
[8.8131e-02, 4.7207e-07, 1.2261e-02],  
[1.7478e+01, 7.4711e-02, 1.0062e+00],  
[1.9727e+00, 2.1360e-04, 2.0014e-01],  
[6.9678e-01, 1.3483e-04, 6.4020e-02],  
[2.8024e+00, 1.0425e-03, 3.3639e-01],  
[1.0564e+00, 1.4478e-04, 1.0850e-01],  
[1.5674e-01, 1.4058e-05, 1.6598e-02],  
[6.8788e+01, 3.2708e-01, 2.4094e+00],  
[5.9193e+00, 1.0044e-02, 3.6210e-01],  
[2.2102e+00, 1.6620e-04, 2.0920e-01],  
[4.7162e+00, 3.3649e-03, 3.7629e-01],  
[5.4513e+01, 1.1897e-01, 1.8828e+00],  
[1.9223e+01, 5.6461e-02, 1.6235e+00],  
[6.6938e-01, 1.9995e-04, 5.9063e-02],  
[8.2633e+01, 6.5622e-01, 3.3151e+00],  
[2.7039e+01, 1.8940e-01, 1.3594e+00],  
[7.3699e-01, 7.5220e-05, 6.5420e-02],  
[2.7199e-01, 4.5626e-05, 3.3380e-02],  
[1.7813e-02, 3.3067e-07, 2.8062e-03],  
[6.7513e+01, 9.9561e-01, 2.0420e+00],  
[4.2541e-02, 4.1414e-07, 5.9555e-03],  
[9.2336e-04, 1.8181e-10, 1.5093e-04],  
[1.2558e-01, 1.4994e-05, 1.5390e-02],  
[4.3382e+01, 2.5793e-01, 1.5146e+00],  
[6.5817e+00, 2.8475e-03, 5.3214e-01],  
[1.4423e+01, 1.7610e-01, 1.4392e+00],  
[5.8923e-01, 6.0421e-05, 8.1183e-02],  
[3.2719e-01, 2.6604e-05, 2.7498e-02],  
[9.1748e-01, 3.3025e-05, 6.6379e-02],  
[3.1312e+01, 5.5886e-02, 1.2726e+00],  
[1.2917e+00, 2.0602e-04, 7.8102e-02],  
[8.5952e+01, 7.9915e-01, 3.0074e+00],  
[4.4346e+01, 1.4269e-01, 1.0270e+00],  
[2.4526e+01, 2.2610e-01, 1.0260e+00],  
[5.2861e+01, 7.1109e-02, 2.2124e+00],  
[1.0783e+01, 8.9641e-03, 1.0449e+00],  
[7.5427e+00, 5.7152e-03, 4.0649e-01],  
[1.6092e-02, 2.1802e-08, 2.4651e-03],  
[1.4494e+01, 8.2375e-03, 8.4304e-01],  
[1.6919e+01, 3.4570e-02, 7.2490e-01],  
[1.2954e+02, 8.0404e-01, 4.5960e+00],  
[1.2380e+02, 9.9264e-01, 2.3548e+00],  
[1.7166e+01, 1.9463e-02, 1.3145e+00],  
[9.2085e+01, 3.2970e-01, 1.7086e+00],  
[7.5998e-01, 9.8643e-05, 7.1906e-02],  
[7.3990e+00, 1.6361e-02, 8.5607e-01],  
[8.7270e+00, 3.5606e-02, 5.5783e-01],

```

[6.7133e+01, 2.3880e-01, 3.5022e+00],
[3.1000e+01, 1.6965e-01, 9.4834e-01],
[1.6586e+01, 6.0351e-02, 5.8825e-01],
[5.3124e-02, 5.9842e-07, 7.9895e-03],
[8.3452e+01, 7.5776e-01, 2.6301e+00],
[7.1568e+00, 1.6338e-02, 5.9518e-01],
[8.2505e+01, 1.6579e-01, 1.4986e+00],
[1.4416e+01, 1.8066e-02, 7.6152e-01],
[5.9245e+01, 2.7039e-01, 1.5130e+00],
[4.1420e+01, 1.1433e-01, 2.5314e+00],
[8.2366e-01, 1.2709e-04, 9.3386e-02],
[2.4258e-01, 1.1525e-06, 2.7739e-02],
[1.2894e+01, 3.1329e-02, 6.4422e-01],
[3.5122e-01, 2.7908e-05, 3.4383e-02],
[2.9929e+01, 1.3862e-01, 1.0479e+00],
[4.7448e+01, 2.3799e-01, 2.0647e+00],
[2.4828e+00, 2.9056e-04, 1.6144e-01],
[8.0416e+00, 8.6541e-03, 2.8888e-01],
[1.5633e+01, 1.5858e-02, 1.1272e+00],
[1.7882e+02, 5.5907e+00, 4.0710e+00]], dtype=torch.float64)
Iteration: 7
Inputs: tensor([[2.9891e+18, 4.6437e+02, 8.8327e+00, 7.2020e+00],
[7.7822e+20, 3.9549e+01, 1.1884e+01, 9.3956e+00],
[1.3690e+18, 1.1876e+02, 8.0320e+00, 5.4281e+00],
...,
[2.9575e+19, 1.2851e+02, 1.4472e+01, 7.7867e+00],
[1.6934e+19, 4.2820e+02, 7.6595e+00, 8.3097e+00],
[9.7623e+18, 2.8567e+02, 7.3664e+00, 5.5213e+00]], dtype=torch.float64)
Target: tensor([[1.2661e+00, 2.9864e-04, 8.5198e-02],
[2.6334e+01, 4.2384e-01, 2.1729e+00],
[3.3567e-02, 4.4505e-07, 4.6662e-03],
[3.7705e-01, 6.5144e-05, 3.8830e-02],
[1.6823e+02, 3.1948e+00, 3.1658e+00],
[3.9088e+00, 7.4458e-03, 3.1127e-01],
[4.0709e+01, 1.6568e-01, 1.3280e+00],
[1.2158e+02, 1.1401e+00, 2.6225e+00],
[8.1864e-01, 3.8578e-04, 9.4383e-02],
[1.1602e+00, 5.6205e-04, 9.9985e-02],
[1.0667e-01, 5.3206e-07, 1.2278e-02],
[2.9128e-02, 2.1506e-08, 4.2636e-03],
[1.2068e-01, 1.3975e-05, 1.6405e-02],
[1.6223e+02, 2.5658e-01, 3.3180e+00],
[1.0699e+01, 1.1753e-02, 3.4523e-01],
[5.0918e-03, 4.4280e-08, 7.9791e-04],
[1.3824e+01, 2.2829e-02, 8.2407e-01],
[8.5859e+01, 1.9325e+00, 3.6382e+00],
[1.9341e+02, 2.2597e+00, 4.4320e+00],
[1.7719e+02, 1.0664e+00, 3.0487e+00],

```



[1.0490e+00, 2.1461e-04, 8.8307e-02],  
[1.1491e-01, 3.0419e-06, 1.5520e-02],  
[4.0700e+00, 4.0421e-03, 2.7168e-01],  
[6.1300e+00, 1.0991e-02, 3.4044e-01],  
[4.7069e-01, 2.6141e-04, 6.1396e-02],  
[2.4577e-01, 7.0249e-05, 3.3278e-02],  
[3.5104e+01, 1.8812e-01, 1.2006e+00],  
[4.2377e+01, 5.7254e-01, 2.4144e+00],  
[1.0272e+02, 5.8403e-01, 2.3182e+00],  
[8.5477e+01, 5.3706e-01, 3.5353e+00],  
[4.3043e+00, 3.0032e-03, 2.0942e-01],  
[1.8071e-02, 2.4157e-07, 2.6702e-03],  
[5.4950e-02, 4.8304e-07, 7.5829e-03],  
[8.0975e+01, 2.3147e-01, 3.5342e+00],  
[9.4894e+01, 1.6685e+00, 3.0834e+00],  
[1.5695e+00, 1.1475e-03, 1.1561e-01],  
[6.9449e+01, 8.3070e-01, 2.3132e+00],  
[4.2990e-02, 6.8082e-07, 6.3350e-03],  
[3.1410e-01, 1.3578e-05, 4.2389e-02],  
[7.6333e-02, 1.1552e-06, 1.0093e-02],  
[1.9407e+01, 2.9640e-01, 1.5700e+00],  
[3.3680e-02, 4.3317e-07, 4.6010e-03],  
[7.0845e-02, 4.6467e-06, 8.7291e-03],  
[3.9862e+00, 7.5700e-04, 1.8425e-01],  
[1.3861e+00, 9.8078e-04, 1.1847e-01],  
[6.1820e-01, 1.7612e-04, 7.0932e-02],  
[5.3788e+01, 9.6305e-02, 2.9558e+00],  
[7.4330e+00, 3.0758e-03, 3.4229e-01],  
[5.1642e+01, 6.8864e-01, 1.6804e+00],  
[1.4797e+01, 4.5511e-03, 9.1493e-01],  
[4.1159e-01, 1.3800e-05, 3.7711e-02],  
[2.0861e-03, 4.8707e-09, 3.3423e-04],  
[1.8165e+02, 5.1925e+00, 4.0564e+00],  
[7.9449e-01, 1.4921e-04, 1.0176e-01],  
[2.9369e-01, 1.0806e-05, 3.8178e-02],  
[1.0127e+01, 4.1617e-03, 3.7988e-01],  
[1.9221e+01, 5.9585e-02, 7.4756e-01],  
[1.8048e+01, 7.5714e-02, 1.1393e+00],  
[1.4908e+02, 1.4742e+00, 4.0516e+00],  
[1.3053e+00, 1.7537e-03, 1.4736e-01],  
[2.3559e-02, 6.7334e-08, 3.5324e-03],  
[7.8528e+00, 1.8981e-02, 4.8928e-01],  
[5.3945e+01, 3.9746e-01, 2.2967e+00],  
[9.0164e+01, 1.3301e+00, 2.2679e+00],  
[6.8360e+00, 3.8073e-03, 4.2331e-01],  
[2.2324e-01, 3.4109e-05, 2.6963e-02],  
[3.8340e+00, 4.9121e-03, 3.6051e-01],  
[4.0447e+01, 7.0923e-01, 2.3827e+00],

[8.8606e+01, 1.7356e-01, 2.9443e+00],  
 [2.0736e-02, 1.8054e-07, 3.1436e-03],  
 [5.8539e+01, 3.5491e-01, 2.4105e+00],  
 [6.3090e-02, 3.6108e-06, 9.6291e-03],  
 [2.1862e-01, 4.3121e-06, 2.1470e-02],  
 [2.8895e-01, 1.1326e-05, 3.6416e-02],  
 [9.6734e+01, 5.1751e-01, 2.8317e+00],  
 [1.0828e+02, 9.4782e-02, 2.1081e+00],  
 [6.4385e+01, 1.1006e+00, 2.2789e+00],  
 [2.9517e-02, 1.0033e-07, 4.2936e-03],  
 [2.5882e+00, 2.3345e-03, 2.3635e-01],  
 [4.7099e-02, 4.3631e-07, 6.1313e-03],  
 [8.1746e-01, 7.0006e-05, 6.8182e-02],  
 [7.6153e+00, 1.6548e-02, 4.5132e-01],  
 [1.4376e+01, 6.5773e-03, 4.7075e-01],  
 [1.5868e-01, 1.6183e-06, 1.7924e-02],  
 [6.3128e+00, 1.7518e-02, 4.9120e-01],  
 [2.9902e+01, 2.5482e-01, 1.7946e+00],  
 [2.6033e+01, 1.3597e-01, 1.2823e+00],  
 [3.3139e+01, 5.0343e-01, 1.3541e+00],  
 [3.2994e+00, 2.9773e-03, 3.1710e-01],  
 [6.9702e+01, 3.6043e-01, 3.0344e+00],  
 [4.9123e+01, 4.0423e-02, 2.7228e+00],  
 [8.3448e-02, 8.3240e-06, 1.1143e-02],  
 [4.9028e+01, 3.6453e-01, 2.3618e+00],  
 [3.1853e+01, 4.2545e-01, 1.5496e+00],  
 [1.5880e+02, 1.3481e+00, 4.2365e+00],  
 [4.0099e+01, 2.4965e-01, 2.1553e+00],  
 [1.4079e-01, 7.4202e-06, 1.7707e-02],  
 [5.9842e-01, 4.3420e-04, 7.2397e-02],  
 [9.0147e+01, 1.4945e+00, 3.9815e+00],  
 [6.0128e+00, 7.8157e-03, 2.9389e-01],  
 [5.0503e+00, 2.7233e-02, 5.7543e-01],  
 [3.6344e+01, 3.4937e-01, 1.1304e+00],  
 [7.7664e+00, 8.4475e-03, 5.2454e-01],  
 [9.6916e-02, 3.4975e-06, 1.3865e-02],  
 [3.2934e+00, 3.3667e-04, 1.8374e-01],  
 [6.2729e+01, 5.0567e-01, 2.4617e+00],  
 [7.4524e+01, 5.9465e-01, 1.7614e+00],  
 [1.1277e+02, 3.9771e-01, 2.6819e+00],  
 [6.3702e-01, 3.1799e-05, 7.3535e-02],  
 [1.8020e+00, 1.3378e-03, 1.5730e-01],  
 [9.7369e+00, 9.7506e-02, 9.3857e-01],  
 [5.5460e-02, 3.8601e-07, 7.4187e-03],  
 [1.0033e+02, 1.5009e+00, 2.4034e+00],  
 [1.9414e+01, 1.3575e-01, 1.0617e+00],  
 [2.1778e-01, 1.2966e-05, 2.1582e-02],  
 [4.6384e+00, 6.5445e-03, 3.0893e-01],

[3.6802e+00, 2.8237e-04, 2.3075e-01],  
 [5.9795e+00, 2.2097e-03, 3.9561e-01],  
 [4.6204e-03, 1.1710e-08, 7.4089e-04],  
 [2.2816e+01, 1.0655e-01, 6.8689e-01],  
 [4.2907e+00, 1.7174e-03, 3.8703e-01],  
 [7.1294e+01, 1.0401e+00, 2.6443e+00],  
 [3.6560e-01, 9.2539e-05, 3.2867e-02],  
 [1.0210e+00, 2.5166e-04, 7.4534e-02],  
 [1.1986e+02, 5.8380e-01, 2.8066e+00],  
 [4.7191e+00, 1.5604e-03, 4.8640e-01],  
 [8.2137e-02, 1.8253e-06, 1.1332e-02],  
 [6.0211e-01, 1.2910e-04, 6.7541e-02],  
 [8.4146e-03, 2.2860e-08, 1.3492e-03],  
 [2.8938e+01, 9.7668e-02, 1.7420e+00],  
 [1.0609e+02, 1.0526e+00, 2.8638e+00],  
 [2.8413e-03, 2.7418e-09, 4.5595e-04],  
 [7.7743e-01, 2.1210e-04, 1.1010e-01],  
 [1.5058e+01, 1.0969e-01, 9.8328e-01],  
 [3.5932e+01, 9.1001e-02, 2.3981e+00],  
 [4.0400e-03, 1.6514e-08, 6.3412e-04],  
 [7.7225e+01, 1.0413e+00, 2.4265e+00],  
 [7.0033e-01, 1.8271e-04, 7.4296e-02],  
 [1.3480e+02, 1.7019e+00, 2.7046e+00],  
 [1.8523e+01, 1.9630e-02, 1.2496e+00],  
 [7.5985e-01, 1.8246e-04, 8.7897e-02],  
 [3.5194e+00, 2.8166e-04, 2.0641e-01],  
 [4.3118e+01, 6.9787e-01, 2.1244e+00],  
 [5.3440e+00, 4.4696e-03, 2.9576e-01],  
 [3.6915e+01, 1.8532e-01, 1.6628e+00],  
 [6.9666e+01, 3.1465e-01, 2.0221e+00],  
 [6.9117e-01, 8.2485e-05, 7.7293e-02],  
 [2.9158e+01, 1.3476e-01, 1.5841e+00],  
 [2.3099e-01, 4.9444e-05, 2.8987e-02],  
 [6.1183e-01, 8.3263e-05, 5.7956e-02],  
 [8.5450e+01, 1.2724e+00, 2.2574e+00],  
 [1.0047e+01, 2.6122e-02, 5.9862e-01],  
 [2.0105e-01, 5.9674e-06, 2.4745e-02],  
 [1.9338e+00, 1.6267e-03, 2.6792e-01],  
 [1.3461e+00, 2.7216e-04, 8.5937e-02],  
 [1.0589e+02, 6.6786e-01, 2.6935e+00],  
 [1.4206e-01, 8.5663e-06, 1.8387e-02],  
 [1.9976e+00, 8.0638e-04, 1.5972e-01],  
 [1.1098e-01, 9.8890e-06, 1.4245e-02],  
 [3.5257e+01, 1.6990e-01, 1.0144e+00],  
 [9.2493e-01, 3.5434e-04, 8.8038e-02],  
 [5.2671e+00, 4.6984e-03, 3.0587e-01],  
 [1.3192e-03, 8.6392e-10, 2.1289e-04],  
 [1.9569e+00, 1.6106e-03, 2.0088e-01],

[1.8120e-01, 1.6363e-05, 1.9348e-02],  
[6.2101e-02, 2.3733e-06, 7.8404e-03],  
[6.5050e+01, 1.4831e+00, 3.3457e+00],  
[1.5226e+00, 2.5456e-04, 1.5922e-01],  
[1.6271e+01, 4.6680e-02, 6.8079e-01],  
[4.7311e+00, 8.5911e-04, 2.3637e-01],  
[2.6505e+00, 1.4619e-03, 1.9843e-01],  
[7.8200e+01, 4.9430e-01, 2.7237e+00],  
[1.0859e+01, 1.1589e-03, 3.9896e-01],  
[9.6635e+01, 1.1090e+00, 3.3168e+00],  
[2.1818e-01, 1.3378e-05, 2.5452e-02],  
[4.4666e-02, 4.2483e-07, 6.7228e-03],  
[4.2806e-01, 8.5573e-05, 4.5615e-02],  
[2.0468e+01, 8.1007e-02, 1.0378e+00],  
[8.5923e+00, 9.5671e-03, 3.2384e-01],  
[3.4721e+01, 1.5877e-01, 1.5167e+00],  
[4.5531e+01, 6.3302e-02, 1.6403e+00],  
[4.3630e+00, 8.5713e-03, 3.5306e-01],  
[1.8492e+01, 3.8832e-02, 6.8747e-01],  
[2.0703e+01, 4.1818e-02, 6.5096e-01],  
[2.2270e-02, 3.6864e-08, 3.4976e-03],  
[1.8208e+02, 5.4114e+00, 3.8318e+00],  
[3.1208e+01, 1.1261e-01, 9.3262e-01],  
[2.4089e+01, 5.6582e-02, 1.1003e+00],  
[9.1187e-02, 5.1378e-07, 1.1057e-02],  
[6.2623e+01, 1.2223e-01, 1.7862e+00],  
[3.9550e+01, 5.3125e-02, 1.0592e+00],  
[1.5939e+00, 5.8564e-04, 1.3537e-01],  
[3.1176e+00, 3.8639e-05, 1.5848e-01],  
[3.3543e+00, 1.6169e-03, 2.5399e-01],  
[1.4878e+00, 3.3642e-04, 1.0708e-01],  
[6.2241e-01, 2.5441e-04, 7.7725e-02],  
[3.1108e+01, 8.0601e-02, 1.1348e+00],  
[1.1033e+01, 3.3992e-02, 8.8079e-01],  
[1.0413e-01, 7.4087e-06, 1.5494e-02],  
[1.0026e+02, 6.6330e-01, 1.7201e+00],  
[1.0662e-01, 3.2473e-06, 1.3200e-02],  
[3.5777e+01, 1.9557e-02, 9.0074e-01],  
[6.4876e-02, 2.8399e-06, 8.2414e-03],  
[9.2669e+00, 2.3173e-03, 6.8331e-01],  
[8.1683e+01, 7.9006e-01, 1.8327e+00],  
[3.0316e+01, 1.0004e-01, 1.2363e+00],  
[1.2708e-01, 5.1813e-06, 1.3754e-02],  
[8.7486e-01, 3.6670e-04, 7.2401e-02],  
[2.5109e-01, 2.7547e-05, 2.5810e-02],  
[7.4329e+01, 3.6926e-01, 2.0800e+00],  
[4.7371e+01, 2.9644e-01, 1.1240e+00],  
[1.1953e+01, 1.2890e-02, 4.5282e-01],

[5.0318e+01, 3.4766e-02, 2.3016e+00],  
 [2.4384e+02, 2.9214e+00, 3.9652e+00],  
 [9.4728e+00, 2.0777e-02, 4.8773e-01],  
 [1.0246e+01, 6.1922e-02, 8.1284e-01],  
 [5.3462e-03, 4.6731e-09, 8.3242e-04],  
 [7.6749e+01, 8.8922e-01, 2.2339e+00],  
 [2.0471e+01, 6.1757e-02, 8.6752e-01],  
 [1.3577e+00, 1.0806e-03, 1.5793e-01],  
 [4.5362e+01, 3.5413e-01, 1.1881e+00],  
 [7.5404e-01, 1.3108e-04, 6.8011e-02],  
 [6.3241e+00, 1.8728e-02, 5.3360e-01],  
 [9.2583e-02, 6.2672e-06, 1.1422e-02],  
 [2.1853e+01, 4.1741e-02, 1.3500e+00],  
 [4.3997e-01, 2.8034e-05, 4.2382e-02],  
 [3.6107e+01, 1.7409e-02, 8.6508e-01],  
 [8.6532e+01, 6.8496e-01, 3.0991e+00],  
 [2.3148e-01, 9.6338e-07, 2.4666e-02],  
 [3.3805e-02, 1.8319e-07, 5.1256e-03],  
 [8.7621e+00, 5.6546e-03, 6.9355e-01],  
 [1.7644e+00, 2.9744e-04, 1.5251e-01],  
 [2.0696e-02, 9.1234e-08, 3.0925e-03],  
 [4.2127e-01, 2.4094e-05, 4.8184e-02],  
 [1.3012e-01, 2.0600e-06, 1.8092e-02],  
 [4.5585e+01, 1.3130e-01, 2.6493e+00],  
 [4.0007e-01, 5.8795e-06, 4.2730e-02],  
 [4.6287e-01, 1.9737e-05, 4.5075e-02],  
 [1.1067e+00, 3.3262e-04, 8.8252e-02],  
 [6.8145e-01, 9.4094e-06, 7.3884e-02],  
 [1.7341e+00, 1.2567e-04, 8.9912e-02],  
 [5.3707e+01, 6.5210e-01, 2.9975e+00],  
 [8.5101e+00, 8.1203e-03, 3.0315e-01],  
 [8.1023e-01, 3.3718e-05, 7.2585e-02],  
 [4.8142e-01, 9.3163e-05, 5.1866e-02],  
 [2.5708e+01, 2.6740e-01, 9.0432e-01],  
 [3.9531e+01, 1.2033e-01, 1.1839e+00],  
 [5.8925e-03, 6.0959e-09, 9.0315e-04],  
 [1.4269e+00, 5.7500e-04, 1.3379e-01],  
 [7.0800e+00, 5.0987e-03, 4.2707e-01],  
 [4.0311e+00, 4.2422e-03, 2.0055e-01],  
 [9.0251e+00, 7.0533e-03, 6.1236e-01],  
 [1.5219e+01, 3.9601e-02, 1.1946e+00],  
 [4.7399e-02, 2.6503e-07, 6.3811e-03],  
 [8.7479e+00, 6.3133e-03, 4.6198e-01],  
 [3.8338e+01, 2.5043e-01, 1.7191e+00],  
 [1.4955e-01, 7.6289e-06, 2.0630e-02],  
 [7.8153e+00, 2.0143e-02, 7.6995e-01],  
 [1.5399e-01, 9.7837e-06, 2.2604e-02],  
 [4.3379e+01, 9.4705e-02, 1.2581e+00],

[1.4705e+00, 1.0744e-04, 8.0195e-02],  
 [1.1233e+00, 8.7637e-05, 1.1042e-01],  
 [4.3756e+01, 5.6863e-01, 1.2314e+00],  
 [5.3455e+01, 1.9751e-01, 2.2328e+00],  
 [8.1950e-02, 6.5858e-06, 1.0608e-02],  
 [5.2908e+00, 3.9861e-03, 3.6788e-01],  
 [6.4142e+00, 2.3108e-02, 6.5698e-01],  
 [2.5648e+01, 5.5883e-02, 1.2816e+00],  
 [2.3402e+01, 5.1074e-02, 1.4848e+00],  
 [5.3703e+01, 3.0438e-01, 1.5763e+00],  
 [3.5271e-03, 1.4597e-09, 5.5681e-04],  
 [1.6984e+02, 5.5647e+00, 4.5205e+00],  
 [1.7314e+00, 2.6153e-03, 1.8761e-01],  
 [8.6280e+00, 1.5712e-03, 4.3178e-01],  
 [1.3327e+02, 3.3907e+00, 3.0737e+00],  
 [4.6041e+01, 1.0154e-01, 1.9266e+00],  
 [1.3645e-01, 5.3326e-06, 1.6385e-02],  
 [9.1111e-01, 2.8814e-04, 6.4367e-02],  
 [1.0606e+01, 6.4127e-02, 8.8198e-01],  
 [3.7273e+01, 2.1431e-02, 1.4295e+00],  
 [7.0985e-04, 3.4825e-10, 1.1580e-04],  
 [9.2179e-01, 1.5595e-04, 5.7848e-02],  
 [1.4113e+02, 1.0197e+00, 3.4857e+00],  
 [1.6323e+00, 5.5926e-04, 1.9002e-01],  
 [4.0001e+01, 2.0529e-02, 9.8370e-01],  
 [6.3355e+00, 1.0887e-02, 4.2820e-01],  
 [2.0850e+00, 1.9269e-03, 1.9703e-01],  
 [6.6841e-02, 4.5138e-07, 1.0247e-02],  
 [8.9210e+01, 1.0496e+00, 3.6942e+00],  
 [1.0334e-02, 2.5681e-08, 1.5596e-03],  
 [1.2149e+01, 6.1236e-03, 6.3630e-01],  
 [6.7692e+00, 6.7887e-03, 4.0931e-01],  
 [6.6227e+01, 2.8177e-01, 3.5942e+00],  
 [4.8451e+01, 1.3549e-01, 1.2898e+00],  
 [7.6406e-01, 7.7133e-04, 9.8209e-02],  
 [5.3002e+01, 6.7039e-01, 1.9039e+00],  
 [1.0737e+02, 1.1622e+00, 2.9525e+00],  
 [1.6593e+01, 2.5549e-02, 5.7179e-01],  
 [4.1616e+00, 4.2792e-03, 2.7851e-01],  
 [2.1147e+02, 4.1765e+00, 4.6102e+00],  
 [1.5813e+01, 1.9572e-02, 5.5025e-01],  
 [1.0983e+01, 7.8675e-03, 5.0114e-01],  
 [5.7072e-01, 2.7580e-05, 4.8487e-02],  
 [1.4338e+02, 4.9536e+00, 4.1842e+00],  
 [3.5778e-01, 1.7170e-05, 3.9348e-02],  
 [3.5610e-01, 1.7531e-04, 4.7427e-02],  
 [3.8901e+01, 2.1523e-01, 8.7018e-01],  
 [3.4024e+01, 3.0549e-02, 1.9884e+00],

```

[1.1625e+01, 2.2010e-03, 5.3809e-01],
[6.3832e+00, 1.8806e-03, 2.4122e-01],
[8.1369e+01, 1.0700e+00, 2.4295e+00],
[3.3249e+02, 1.5968e+01, 5.0873e+00],
[5.8122e+00, 9.6191e-03, 6.2828e-01],
[6.4312e-01, 3.9770e-04, 8.0060e-02],
[4.5744e+01, 3.0370e-01, 2.4529e+00],
[5.5592e+01, 2.2849e-02, 1.1639e+00],
[4.8733e-02, 9.1969e-07, 7.1105e-03],
[4.1357e+00, 8.7519e-03, 3.4160e-01],
[1.1567e+01, 2.1091e-02, 4.3740e-01],
[3.3079e+00, 1.3737e-03, 2.1674e-01]], dtype=torch.float64)
Iteration: 8
Inputs: tensor([[5.7701e+18, 3.5717e+02, 8.2682e+00, 6.0586e+00],
[9.4951e+18, 2.7417e+02, 1.8119e+01, 8.1404e+00],
[1.0469e+19, 6.2374e+01, 1.8436e+01, 2.5181e+00],
...,
[1.2554e+20, 8.4309e+01, 1.0864e+01, 5.9560e+00],
[2.0150e+18, 1.9658e+02, 1.0323e+01, 8.2483e+00],
[3.0505e+18, 1.4411e+02, 1.5155e+01, 4.8317e+00]], dtype=torch.float64)
Target: tensor([[2.1080e+00, 6.5815e-04, 1.4261e-01],
[2.0192e+00, 1.9945e-03, 1.6394e-01],
[3.0449e-02, 3.9293e-07, 4.7122e-03],
[1.4568e+02, 5.0737e-01, 3.9845e+00],
[9.7214e+00, 4.0155e-03, 6.8989e-01],
[1.4698e+00, 1.3656e-04, 1.8161e-01],
[3.8914e+01, 4.6351e-01, 2.0074e+00],
[4.3883e-01, 5.5961e-06, 5.0903e-02],
[9.8885e+01, 1.8050e-01, 3.4658e+00],
[1.9786e+02, 2.5540e+00, 4.2340e+00],
[2.5410e+02, 2.9872e+00, 4.6199e+00],
[3.7694e+01, 3.0539e-01, 1.4286e+00],
[6.7620e-02, 2.5182e-06, 9.9178e-03],
[4.3368e+00, 1.8609e-03, 2.4339e-01],
[3.9940e-02, 1.3265e-06, 5.8166e-03],
[2.9639e+01, 7.8531e-02, 8.3815e-01],
[4.2724e+01, 2.6646e-01, 1.0374e+00],
[2.1111e+01, 3.6719e-02, 6.2430e-01],
[5.8242e+01, 3.9202e-01, 2.2236e+00],
[6.7342e-01, 2.7941e-05, 7.5909e-02],
[9.9760e+01, 1.7319e+00, 2.7363e+00],
[1.1359e-01, 1.5472e-06, 1.5275e-02],
[4.6684e+01, 8.4639e-02, 2.2456e+00],
[1.5738e+01, 5.6390e-02, 6.3513e-01],
[4.4199e+01, 3.7112e-01, 1.1475e+00],
[3.7318e+01, 7.6918e-02, 1.1381e+00],
[1.1598e+01, 1.8803e-02, 5.2691e-01],
[7.1888e+00, 1.0039e-02, 3.3214e-01],

```

[6.7786e-01, 3.0200e-05, 4.3323e-02],  
[1.8548e+01, 4.4282e-02, 7.5297e-01],  
[2.1892e+01, 1.2677e-01, 8.2549e-01],  
[3.8672e+00, 5.9751e-03, 3.1576e-01],  
[7.2893e-02, 2.8723e-06, 9.2557e-03],  
[9.5042e+01, 7.0763e-01, 2.6806e+00],  
[3.3301e+01, 8.3590e-02, 1.5317e+00],  
[4.0820e+01, 6.9034e-01, 2.0076e+00],  
[7.2161e+00, 5.5728e-03, 5.1286e-01],  
[2.0406e-02, 1.9121e-07, 3.1239e-03],  
[7.6394e-02, 4.0447e-06, 1.0430e-02],  
[9.8868e-01, 5.0390e-04, 1.0414e-01],  
[6.0284e-02, 3.0827e-06, 8.6047e-03],  
[7.9271e-01, 6.3352e-05, 7.1597e-02],  
[3.2827e+01, 2.3826e-01, 2.4355e+00],  
[5.4473e+01, 9.4041e-01, 1.6863e+00],  
[9.8685e+01, 1.4063e+00, 2.6106e+00],  
[1.9429e-03, 2.9014e-09, 3.0914e-04],  
[4.3066e-01, 9.7632e-05, 5.4277e-02],  
[1.4851e+00, 2.0432e-04, 1.3109e-01],  
[2.0923e-02, 7.2072e-07, 3.2697e-03],  
[2.1485e+01, 1.1477e-02, 7.0176e-01],  
[7.9293e+01, 3.3051e-01, 1.5616e+00],  
[1.0343e+02, 9.8793e-01, 2.9889e+00],  
[3.2973e+00, 1.6027e-03, 2.0304e-01],  
[4.1706e+00, 8.6651e-04, 2.8830e-01],  
[6.0508e+01, 3.9601e-01, 2.1842e+00],  
[9.2491e+01, 2.8759e-01, 1.6695e+00],  
[1.6064e+01, 3.8469e-02, 8.9610e-01],  
[1.1670e+01, 1.7044e-02, 7.1091e-01],  
[1.8721e+01, 7.9095e-02, 8.9485e-01],  
[9.0165e+01, 1.1986e+00, 2.3752e+00],  
[5.2926e-01, 6.7490e-05, 6.7309e-02],  
[6.1224e+00, 1.6209e-03, 3.5634e-01],  
[1.0926e+02, 1.2008e+00, 3.7175e+00],  
[4.2506e-01, 4.7642e-05, 4.9262e-02],  
[2.1718e+01, 5.6146e-02, 1.0402e+00],  
[2.8323e+00, 1.5525e-03, 3.5335e-01],  
[5.1638e+01, 6.3139e-01, 1.6775e+00],  
[2.4296e-01, 4.0104e-05, 2.6287e-02],  
[1.3758e+02, 3.2671e+00, 3.6404e+00],  
[9.0427e-01, 2.0610e-04, 7.6109e-02],  
[4.3490e+01, 2.6715e-01, 1.4582e+00],  
[3.7749e+01, 2.5964e-01, 1.1861e+00],  
[6.3847e-02, 4.0794e-06, 8.0618e-03],  
[1.1540e+02, 1.4930e+00, 2.9540e+00],  
[8.2813e+01, 1.5841e-01, 3.5956e+00],  
[1.1161e+02, 2.4209e+00, 3.6581e+00],



[1.8955e+01, 1.6559e-02, 1.4756e+00],  
 [1.4462e-01, 3.9436e-06, 1.8438e-02],  
 [2.6234e-02, 1.2514e-07, 4.0701e-03],  
 [2.2194e+00, 6.0943e-04, 2.1952e-01],  
 [8.5667e+00, 5.7178e-02, 9.2973e-01],  
 [1.9619e-01, 1.0962e-05, 2.5946e-02],  
 [2.5364e+00, 3.0669e-04, 1.4255e-01],  
 [4.2142e+01, 2.4100e-01, 1.3824e+00],  
 [1.1337e+01, 1.2736e-02, 9.7719e-01],  
 [4.1867e+00, 4.1647e-03, 2.4207e-01],  
 [1.7911e+00, 3.6268e-03, 2.2814e-01],  
 [1.8703e-03, 5.1922e-10, 2.9955e-04],  
 [1.0153e+00, 1.2793e-04, 6.6674e-02],  
 [4.8819e+01, 5.3126e-01, 1.5793e+00],  
 [2.5631e-01, 1.6043e-05, 2.9046e-02],  
 [1.8376e+00, 2.5635e-04, 1.7094e-01],  
 [3.5354e-01, 2.1959e-05, 3.4999e-02],  
 [1.8857e+02, 3.1918e+00, 4.0986e+00],  
 [2.8404e+00, 8.9756e-04, 1.4463e-01],  
 [4.5859e+01, 5.2385e-01, 1.9592e+00],  
 [3.0598e+00, 7.9042e-04, 1.4963e-01],  
 [7.2991e+01, 3.2386e-01, 1.3329e+00],  
 [9.8642e+01, 2.6663e+00, 2.6842e+00],  
 [1.9667e+02, 4.4770e+00, 3.5815e+00],  
 [5.9823e+01, 5.3748e-01, 1.8719e+00],  
 [2.8988e+00, 3.2367e-03, 2.0751e-01],  
 [4.4004e+01, 4.0924e-01, 1.3013e+00],  
 [1.9718e+01, 5.6981e-02, 6.5074e-01],  
 [2.7983e-01, 4.1177e-06, 2.8033e-02],  
 [6.5333e+01, 6.8502e-01, 1.6552e+00],  
 [3.4095e-01, 2.4974e-05, 3.5807e-02],  
 [1.3173e-01, 4.2048e-06, 1.5131e-02],  
 [6.0953e+00, 6.3666e-03, 3.6772e-01],  
 [1.2041e+02, 6.6515e-01, 4.0450e+00],  
 [1.2832e+00, 7.0860e-04, 1.3563e-01],  
 [5.8300e+01, 3.8986e-01, 1.9008e+00],  
 [1.4647e+02, 2.5808e+00, 2.8440e+00],  
 [9.9014e+00, 5.3007e-03, 3.3872e-01],  
 [3.8852e-01, 7.9614e-05, 5.5067e-02],  
 [1.5319e+02, 8.5490e-01, 2.7923e+00],  
 [9.7095e-01, 1.2690e-04, 1.0458e-01],  
 [6.2246e+01, 6.2250e-01, 2.6400e+00],  
 [2.0492e-02, 6.8911e-08, 3.0707e-03],  
 [5.1418e+01, 3.2149e-01, 2.2868e+00],  
 [5.3298e+00, 3.6220e-03, 2.7285e-01],  
 [1.3279e+02, 2.2601e+00, 3.3907e+00],  
 [2.4297e-01, 1.9698e-05, 2.5787e-02],  
 [4.3809e-01, 3.0685e-05, 5.0688e-02],

[2.1463e+02, 4.5123e+00, 4.5222e+00],  
[6.6773e-01, 1.5206e-05, 5.3051e-02],  
[4.6258e+00, 3.1445e-03, 3.6749e-01],  
[3.6101e+01, 2.6414e-02, 9.3075e-01],  
[3.0267e+01, 9.0849e-02, 8.1001e-01],  
[4.5449e+00, 1.0046e-02, 3.6170e-01],  
[1.6713e+02, 7.8086e+00, 4.6915e+00],  
[1.2425e-01, 9.7108e-06, 1.4760e-02],  
[2.2065e-02, 2.9744e-07, 3.1146e-03],  
[1.7963e+00, 3.6505e-04, 1.3832e-01],  
[8.4734e-02, 2.6549e-06, 1.0511e-02],  
[5.7963e+00, 1.8805e-02, 5.6498e-01],  
[8.7676e+01, 6.4421e-01, 2.9148e+00],  
[4.5137e-03, 1.1908e-08, 7.0419e-04],  
[7.3798e+01, 1.9033e+00, 2.0763e+00],  
[1.2960e+01, 4.2607e-02, 1.0227e+00],  
[1.2423e+01, 2.9898e-02, 5.6214e-01],  
[1.3818e+02, 2.4619e+00, 3.5725e+00],  
[1.5850e+00, 9.2852e-04, 1.6514e-01],  
[1.2451e+00, 2.1828e-04, 1.2920e-01],  
[6.3785e+00, 2.8791e-04, 3.3866e-01],  
[2.7134e+01, 6.2366e-02, 1.1161e+00],  
[4.9293e+01, 3.4221e-02, 1.3337e+00],  
[7.5329e+00, 2.7152e-03, 3.3811e-01],  
[2.1484e+01, 1.1705e-01, 1.2721e+00],  
[3.1167e-02, 5.1455e-07, 4.3973e-03],  
[3.0339e+00, 2.5516e-03, 2.1370e-01],  
[2.5351e+01, 4.7478e-02, 1.3512e+00],  
[1.1861e+02, 3.6549e+00, 4.1520e+00],  
[1.1980e-01, 4.1183e-06, 1.4561e-02],  
[7.8608e+01, 1.4144e+00, 2.3069e+00],  
[4.3815e+01, 4.0164e-01, 1.6535e+00],  
[5.5132e+00, 1.1688e-03, 2.4992e-01],  
[1.9873e+01, 7.3300e-02, 1.2101e+00],  
[4.0961e-03, 8.8849e-09, 6.5562e-04],  
[2.0238e+01, 4.7637e-02, 9.7268e-01],  
[1.6985e+02, 5.6974e+00, 4.4232e+00],  
[9.5974e+00, 3.6473e-03, 4.1673e-01],  
[1.6146e+02, 5.8886e+00, 3.2911e+00],  
[4.2288e+01, 4.9743e-01, 2.2524e+00],  
[3.6173e-02, 6.3399e-07, 5.0378e-03],  
[3.2913e-02, 3.9316e-07, 4.7747e-03],  
[8.7660e+00, 1.1649e-02, 3.4309e-01],  
[1.8436e+01, 5.6852e-02, 1.6645e+00],  
[1.6348e+02, 1.5442e+00, 4.0793e+00],  
[5.5215e+01, 5.3000e-01, 2.2099e+00],  
[2.2499e-01, 2.4404e-06, 2.7295e-02],  
[1.3965e+01, 6.8022e-02, 7.4556e-01],

[2.4954e+01, 6.7882e-02, 1.7440e+00],  
 [2.0456e+01, 1.3499e-01, 8.5950e-01],  
 [2.9643e+00, 2.1935e-03, 3.2886e-01],  
 [4.4123e+01, 2.4439e-01, 1.3295e+00],  
 [1.7993e+01, 7.1084e-02, 9.0121e-01],  
 [1.5170e+01, 1.0170e-02, 1.3129e+00],  
 [4.6561e+01, 4.7480e-01, 2.5882e+00],  
 [4.0568e+01, 1.1697e-01, 2.1439e+00],  
 [5.3309e-02, 2.9795e-07, 7.7223e-03],  
 [3.6338e+01, 3.0543e-01, 1.0548e+00],  
 [2.2092e-01, 2.0385e-05, 2.6527e-02],  
 [1.7603e+00, 1.0950e-03, 1.1591e-01],  
 [1.2908e+02, 1.8325e+00, 3.0842e+00],  
 [1.3287e+02, 2.9339e+00, 2.6606e+00],  
 [1.3152e+02, 2.0446e-01, 3.5229e+00],  
 [4.4325e+01, 3.6332e-01, 1.0602e+00],  
 [1.1664e+00, 3.6802e-04, 9.5765e-02],  
 [2.1931e+01, 4.8183e-03, 8.3039e-01],  
 [1.8616e+00, 4.8644e-04, 2.1579e-01],  
 [1.3719e+02, 2.5865e+00, 3.9742e+00],  
 [2.6790e+01, 4.7211e-02, 2.2365e+00],  
 [3.7056e-01, 4.5112e-05, 4.9396e-02],  
 [2.7944e+01, 3.4300e-01, 1.3163e+00],  
 [3.0182e+01, 5.3043e-02, 1.2502e+00],  
 [1.8137e+02, 2.5273e+00, 3.6238e+00],  
 [4.4224e+00, 9.5408e-03, 3.1458e-01],  
 [1.0324e+00, 4.6419e-05, 6.8835e-02],  
 [1.9910e-01, 4.3447e-06, 2.6705e-02],  
 [3.4396e+00, 3.2070e-03, 2.4300e-01],  
 [1.4398e-01, 5.6718e-06, 2.0318e-02],  
 [1.3596e+01, 5.1866e-02, 7.8005e-01],  
 [2.4258e-01, 3.2223e-06, 3.0601e-02],  
 [1.6187e+01, 4.1627e-02, 6.0177e-01],  
 [1.7216e+01, 6.8107e-02, 9.3399e-01],  
 [1.5907e-03, 3.5249e-09, 2.5414e-04],  
 [4.3665e+00, 5.1503e-03, 2.7449e-01],  
 [2.7451e+02, 1.0292e+01, 4.1364e+00],  
 [1.3238e-01, 9.9481e-06, 1.6197e-02],  
 [2.5769e+01, 9.7601e-02, 7.1943e-01],  
 [6.4961e+01, 9.7200e-01, 1.9055e+00],  
 [3.9851e+00, 9.4419e-04, 1.9014e-01],  
 [6.9254e-04, 4.2636e-10, 1.1244e-04],  
 [2.0651e+00, 2.8111e-04, 1.4304e-01],  
 [2.2471e+01, 1.8422e-01, 1.5591e+00],  
 [2.4120e+00, 9.9519e-04, 1.8825e-01],  
 [4.0760e+00, 8.9473e-03, 3.2716e-01],  
 [1.1870e+01, 3.4719e-02, 5.9839e-01],  
 [5.3364e-02, 3.7985e-07, 7.1343e-03],

[3.2090e+01, 9.5360e-03, 9.4800e-01],  
 [3.0953e-01, 4.3950e-05, 3.2970e-02],  
 [1.3641e+02, 2.0773e-01, 3.7387e+00],  
 [1.9648e+01, 2.6062e-01, 1.7419e+00],  
 [1.9737e+02, 3.4204e+00, 4.3993e+00],  
 [1.1392e-01, 2.8926e-06, 1.3005e-02],  
 [1.6638e+00, 1.0911e-03, 1.6512e-01],  
 [8.1014e-01, 1.2195e-04, 5.6845e-02],  
 [5.1269e-03, 3.7370e-09, 8.0133e-04],  
 [1.1984e+01, 3.3941e-02, 9.2265e-01],  
 [6.9398e-02, 4.4528e-06, 8.4970e-03],  
 [2.0282e+01, 5.2054e-02, 9.9617e-01],  
 [2.3976e-01, 2.6115e-05, 2.4160e-02],  
 [2.5778e+01, 1.4578e-01, 8.9084e-01],  
 [1.1044e+01, 2.3991e-02, 4.5983e-01],  
 [2.3961e+01, 1.4551e-01, 7.4047e-01],  
 [2.9361e+01, 1.4380e-01, 1.2237e+00],  
 [1.7102e+01, 2.1499e-02, 1.1739e+00],  
 [1.5902e+01, 1.2776e-02, 9.6472e-01],  
 [1.2882e+01, 1.5324e-02, 1.0724e+00],  
 [1.8005e+01, 1.3215e-01, 8.5775e-01],  
 [9.1175e-01, 2.1952e-05, 8.6644e-02],  
 [5.1535e+01, 3.0363e-01, 2.8183e+00],  
 [3.2507e-01, 2.7222e-05, 3.7155e-02],  
 [2.9142e+00, 4.4354e-03, 2.2750e-01],  
 [6.8694e+00, 3.2459e-03, 6.1147e-01],  
 [1.4132e-01, 1.9946e-05, 1.6181e-02],  
 [2.4733e+01, 2.6301e-01, 1.6923e+00],  
 [2.2536e-01, 2.4513e-05, 3.1199e-02],  
 [1.1720e+00, 4.1143e-04, 1.0822e-01],  
 [7.6990e+01, 1.8159e+00, 2.7674e+00],  
 [2.4175e+01, 1.1711e-01, 7.9249e-01],  
 [8.1044e-02, 3.8430e-07, 1.0399e-02],  
 [3.3652e+00, 1.3353e-03, 3.1665e-01],  
 [5.8568e+00, 2.2155e-03, 3.5739e-01],  
 [3.3591e+00, 2.3313e-03, 2.2401e-01],  
 [1.0910e+02, 2.4113e+00, 3.3495e+00],  
 [4.5994e-01, 7.4363e-05, 4.7304e-02],  
 [1.4986e+01, 4.7165e-02, 1.3945e+00],  
 [1.8184e+00, 3.6149e-04, 1.2153e-01],  
 [2.4990e+01, 2.2313e-02, 7.5873e-01],  
 [2.2851e-02, 4.6497e-07, 3.2433e-03],  
 [2.5214e+02, 2.0676e+00, 4.9277e+00],  
 [1.6721e+00, 6.6811e-04, 1.3598e-01],  
 [8.3383e+01, 1.0913e+00, 3.3055e+00],  
 [5.3573e-03, 3.3615e-08, 8.2793e-04],  
 [4.1695e+01, 6.2098e-01, 2.4048e+00],  
 [3.3032e+01, 1.8062e-01, 1.7801e+00],

[1.9402e+00, 5.9807e-04, 2.0261e-01],  
 [2.0418e-01, 2.9407e-05, 3.0211e-02],  
 [4.6825e+01, 1.1605e-01, 2.6914e+00],  
 [1.0489e+01, 2.6590e-02, 7.4355e-01],  
 [7.0262e+01, 1.3235e+00, 1.9448e+00],  
 [1.2173e+02, 2.8318e+00, 3.8425e+00],  
 [1.1652e+00, 1.5190e-05, 7.1223e-02],  
 [1.7076e-01, 1.2342e-05, 1.7501e-02],  
 [1.5704e+00, 1.2752e-04, 9.3963e-02],  
 [5.6467e+01, 8.5821e-01, 1.3778e+00],  
 [9.2590e+00, 6.3429e-03, 5.0377e-01],  
 [3.5879e+01, 3.0608e-02, 2.0219e+00],  
 [4.8490e+00, 3.6980e-03, 4.2699e-01],  
 [9.2904e-01, 3.0218e-04, 8.4671e-02],  
 [7.8043e-02, 1.8287e-07, 9.4360e-03],  
 [1.5235e-01, 9.6426e-07, 1.7515e-02],  
 [3.7206e+01, 5.4720e-02, 1.3211e+00],  
 [5.2043e+00, 3.2266e-03, 4.0525e-01],  
 [3.3451e+01, 2.4622e-01, 1.2175e+00],  
 [9.0341e+01, 1.6164e-01, 2.3865e+00],  
 [6.7936e+01, 6.9825e-01, 3.6277e+00],  
 [2.9193e+01, 2.9700e-01, 1.1885e+00],  
 [1.2836e+02, 9.1900e-01, 3.1476e+00],  
 [6.7510e-01, 2.5964e-04, 7.2653e-02],  
 [3.9503e+01, 2.6927e-01, 1.1033e+00],  
 [1.1111e-01, 7.7304e-06, 1.3509e-02],  
 [4.0184e-01, 2.3300e-05, 5.1137e-02],  
 [7.4126e+00, 2.9842e-02, 6.6783e-01],  
 [2.3441e+01, 9.1177e-02, 1.2946e+00],  
 [1.2832e-01, 2.8852e-06, 1.4338e-02],  
 [3.2732e-01, 3.8282e-05, 3.8925e-02],  
 [7.3045e-01, 3.3749e-04, 9.5301e-02],  
 [1.0075e+02, 2.3395e+00, 2.4324e+00],  
 [1.0859e+00, 6.4925e-04, 9.4104e-02],  
 [2.2037e+01, 1.0010e-01, 9.5743e-01],  
 [1.3285e+01, 3.1093e-02, 6.3108e-01],  
 [2.3550e-01, 7.6793e-06, 2.8358e-02],  
 [7.7629e+01, 1.5926e+00, 3.0071e+00],  
 [5.7608e-01, 4.6713e-05, 4.4785e-02],  
 [1.5393e+00, 3.8672e-04, 1.5151e-01],  
 [4.2927e+00, 4.1964e-03, 2.5434e-01],  
 [2.9291e+01, 7.3976e-02, 1.7655e+00],  
 [1.2050e-01, 9.4346e-06, 1.4087e-02],  
 [7.0229e+01, 7.6482e-01, 2.4011e+00],  
 [2.5787e-01, 6.7886e-05, 3.1394e-02],  
 [2.3528e+00, 1.5575e-03, 2.6350e-01],  
 [1.2726e+00, 2.9816e-04, 1.1433e-01],  
 [8.9738e+01, 9.6362e-02, 2.7534e+00],

```

[3.0103e+00, 9.8896e-04, 1.7828e-01],
[1.1601e+01, 4.0255e-02, 8.9311e-01],
[1.9301e-01, 1.9945e-05, 2.1856e-02],
[7.2992e-02, 2.7211e-06, 1.0057e-02]], dtype=torch.float64)
Iteration: 9
Inputs: tensor([[4.7629e+20, 3.2811e+02, 1.3220e+00, 4.9038e+00],
[3.5423e+19, 5.5152e+01, 1.2409e+00, 9.4537e+00],
[1.1473e+18, 4.5992e+02, 1.2802e+01, 9.0323e+00],
...,
[5.1004e+18, 2.3828e+02, 8.9327e+00, 4.0497e+00],
[8.2786e+19, 4.8646e+02, 1.4579e+00, 1.4602e+00],
[4.4295e+18, 2.6935e+02, 7.7875e+00, 5.8963e+00]], dtype=torch.float64)
Target: tensor([[1.9023e+02, 1.1776e+00, 3.4828e+00],
[5.6324e+00, 9.2014e-03, 4.2930e-01],
[2.7992e-01, 3.6261e-05, 2.5022e-02],
[2.3736e+00, 6.3796e-04, 1.5907e-01],
[3.1530e-02, 7.3930e-07, 4.3743e-03],
[1.5946e+02, 2.4934e+00, 3.7054e+00],
[7.6009e+00, 1.0057e-02, 4.8527e-01],
[1.1422e+00, 2.4321e-04, 1.0604e-01],
[4.3590e+00, 2.6149e-03, 2.9410e-01],
[1.3950e-01, 5.2849e-06, 1.5848e-02],
[2.1888e-01, 2.3218e-05, 2.4756e-02],
[1.1158e+00, 5.7126e-04, 8.9643e-02],
[4.5032e+01, 6.9165e-01, 1.6452e+00],
[1.5945e+02, 1.7735e-01, 2.8158e+00],
[9.0813e+00, 2.0315e-02, 4.4788e-01],
[1.3253e+01, 4.7764e-02, 1.0520e+00],
[8.2395e-03, 1.2412e-08, 1.2416e-03],
[3.3909e+01, 2.8794e-02, 1.2319e+00],
[1.2727e+00, 5.0839e-04, 1.2604e-01],
[1.2711e-01, 2.3888e-06, 1.8171e-02],
[3.6317e-01, 7.7464e-06, 3.2537e-02],
[2.8641e+01, 5.7879e-02, 1.5200e+00],
[8.8895e-03, 2.1846e-08, 1.3802e-03],
[2.4404e+01, 1.8981e-01, 1.1453e+00],
[1.3280e+02, 3.9304e-01, 4.2033e+00],
[2.3990e+01, 8.8309e-02, 1.5093e+00],
[3.1066e+01, 1.8782e-01, 8.5094e-01],
[6.5791e+01, 1.0914e+00, 2.3302e+00],
[1.9376e+02, 1.8017e+00, 4.8832e+00],
[3.5523e+00, 7.9739e-03, 2.8900e-01],
[1.7104e-01, 1.5624e-05, 2.0895e-02],
[1.7499e-01, 1.5099e-05, 1.7457e-02],
[2.1139e-01, 1.1363e-05, 2.7850e-02],
[3.8499e+00, 3.6885e-03, 2.2736e-01],
[1.0549e+01, 2.0011e-02, 7.0325e-01],
[3.9505e+00, 1.5540e-03, 3.4974e-01],

```

[4.4174e+00, 6.2151e-03, 2.7908e-01],  
[1.3548e+00, 1.3988e-04, 1.1644e-01],  
[1.0218e+01, 1.2940e-02, 4.3338e-01],  
[5.9637e+00, 1.2889e-03, 2.3709e-01],  
[2.3347e+00, 1.5549e-03, 1.3747e-01],  
[1.7381e-01, 1.0890e-05, 1.8059e-02],  
[4.3437e+00, 9.4242e-04, 4.7981e-01],  
[2.9968e+00, 1.8494e-04, 2.7284e-01],  
[2.2336e-01, 1.6493e-05, 2.1927e-02],  
[9.4102e-04, 3.2114e-10, 1.5174e-04],  
[5.0225e+01, 6.4990e-02, 1.1170e+00],  
[4.3411e-02, 6.1014e-07, 5.6928e-03],  
[5.0219e+00, 2.7980e-03, 2.2465e-01],  
[1.7691e+02, 7.3666e+00, 4.4238e+00],  
[1.9317e+01, 1.9124e-01, 1.4359e+00],  
[3.5472e+01, 1.5946e-02, 1.5567e+00],  
[3.1193e+02, 1.0158e+01, 5.1824e+00],  
[1.2726e+01, 6.7412e-02, 7.2784e-01],  
[2.6634e+00, 3.2516e-03, 3.1712e-01],  
[9.8619e-01, 1.7377e-05, 7.6037e-02],  
[1.2725e+00, 3.7352e-04, 1.0514e-01],  
[2.1053e+00, 3.6153e-03, 2.1130e-01],  
[4.2329e+01, 2.1039e-01, 1.4397e+00],  
[3.6469e+01, 4.7361e-01, 1.2254e+00],  
[4.5082e+00, 2.4933e-03, 1.8199e-01],  
[1.1043e+01, 4.4946e-02, 5.5785e-01],  
[1.5165e-01, 3.0892e-06, 1.6327e-02],  
[2.9363e-01, 3.9900e-05, 3.0380e-02],  
[4.2432e+01, 1.4158e-01, 2.3002e+00],  
[2.8995e-02, 3.5650e-07, 4.0140e-03],  
[1.8862e+01, 1.2333e-01, 1.2801e+00],  
[4.7615e+01, 3.3456e-02, 2.9400e+00],  
[4.5704e+01, 5.8705e-01, 1.4599e+00],  
[8.0809e-02, 3.3308e-06, 1.0812e-02],  
[1.1873e+02, 2.2828e+00, 2.8407e+00],  
[2.1815e+00, 1.1370e-03, 1.4956e-01],  
[1.0478e+00, 1.6806e-04, 7.2927e-02],  
[2.8639e-02, 4.4066e-07, 4.1135e-03],  
[7.4891e+00, 1.0405e-02, 3.8384e-01],  
[5.8512e-01, 3.8257e-05, 7.0452e-02],  
[2.7577e+00, 1.4590e-03, 3.4057e-01],  
[1.3090e+02, 2.1857e+00, 2.3350e+00],  
[5.1805e+00, 1.5059e-03, 1.9490e-01],  
[7.7278e+00, 1.0540e-02, 7.3849e-01],  
[1.8395e-01, 2.4548e-05, 1.8267e-02],  
[1.2451e+01, 4.2139e-03, 7.6710e-01],  
[3.1798e-02, 6.6850e-07, 4.7148e-03],  
[1.1050e+02, 1.9987e+00, 3.6729e+00],

[2.8455e+01, 1.1378e-01, 9.9590e-01],  
 [8.5968e+01, 1.0174e+00, 2.9864e+00],  
 [1.0266e+00, 1.8948e-04, 9.4517e-02],  
 [1.5854e+01, 1.3869e-01, 1.3185e+00],  
 [7.3834e+00, 7.3535e-03, 3.9473e-01],  
 [1.9059e-01, 2.2013e-05, 1.9022e-02],  
 [1.8586e+00, 6.9872e-05, 1.2139e-01],  
 [5.3572e+01, 3.4959e-01, 1.6770e+00],  
 [9.6203e+00, 2.0304e-02, 3.9313e-01],  
 [2.8025e+01, 2.4279e-01, 1.2786e+00],  
 [3.0368e-01, 4.8454e-05, 3.0948e-02],  
 [6.2137e-01, 1.1549e-04, 5.8518e-02],  
 [3.1872e+01, 2.5108e-01, 1.0034e+00],  
 [3.4935e-01, 8.6568e-07, 3.7142e-02],  
 [3.6894e+01, 3.8586e-01, 1.3379e+00],  
 [1.2941e+01, 9.8628e-03, 8.3750e-01],  
 [4.0900e+01, 9.4566e-02, 2.3993e+00],  
 [6.7482e-02, 6.3577e-06, 9.2831e-03],  
 [4.3234e+01, 9.0122e-01, 2.3376e+00],  
 [3.9344e+01, 9.4420e-02, 1.6680e+00],  
 [1.4097e+00, 4.3567e-04, 1.7524e-01],  
 [1.3854e+00, 1.6477e-04, 1.4927e-01],  
 [1.0741e+01, 7.5149e-03, 5.7720e-01],  
 [7.8241e+01, 5.6772e-01, 1.7012e+00],  
 [5.1360e-01, 5.4125e-06, 4.8127e-02],  
 [2.4844e+00, 2.6864e-03, 2.4812e-01],  
 [4.1980e+00, 1.0482e-03, 1.8513e-01],  
 [1.2753e+02, 1.9384e+00, 2.4899e+00],  
 [1.4758e+02, 3.6708e-01, 4.0539e+00],  
 [8.4513e+01, 1.4576e-01, 2.2422e+00],  
 [1.5935e-02, 3.8921e-08, 2.3943e-03],  
 [2.8251e+00, 7.1530e-04, 2.2310e-01],  
 [2.1376e+02, 2.1108e+00, 4.5391e+00],  
 [7.4624e+01, 4.5064e-01, 3.7640e+00],  
 [7.0951e+01, 2.6810e-02, 2.4222e+00],  
 [7.0429e+01, 9.8212e-02, 1.4586e+00],  
 [7.1447e+00, 1.1918e-02, 5.3356e-01],  
 [9.3897e+00, 2.7602e-02, 5.3292e-01],  
 [1.6705e+02, 2.2601e+00, 3.7775e+00],  
 [2.4449e-01, 5.4330e-05, 2.9980e-02],  
 [1.9136e+02, 1.5928e-01, 3.6474e+00],  
 [2.1174e+00, 3.7710e-04, 1.7311e-01],  
 [7.1301e-01, 4.2491e-05, 9.6220e-02],  
 [1.2481e+00, 7.4411e-04, 1.4149e-01],  
 [3.0108e+00, 5.4937e-03, 3.0786e-01],  
 [1.9040e-01, 1.4785e-05, 1.8818e-02],  
 [3.4718e+01, 7.9029e-02, 1.4167e+00],  
 [8.4140e+00, 4.6747e-03, 3.8211e-01],



[1.2107e+01, 2.1534e-02, 6.7152e-01],  
 [5.7930e+01, 2.6687e-01, 2.1266e+00],  
 [1.6323e+00, 9.5513e-04, 1.6312e-01],  
 [8.7406e-02, 5.2842e-06, 1.0961e-02],  
 [5.6032e+01, 2.8380e-01, 1.4925e+00],  
 [5.6475e-02, 1.4527e-07, 7.4082e-03],  
 [3.2087e+01, 3.7249e-02, 2.0089e+00],  
 [1.0681e+00, 3.2059e-04, 8.1369e-02],  
 [3.9624e-01, 1.3585e-05, 4.4821e-02],  
 [2.9667e+01, 4.1579e-02, 9.6967e-01],  
 [3.6405e-02, 1.5683e-06, 5.3451e-03],  
 [1.7955e+01, 9.3682e-02, 6.9869e-01],  
 [4.6007e+01, 9.9290e-02, 1.5015e+00],  
 [4.5252e+01, 1.0238e+00, 2.2925e+00],  
 [1.8780e+02, 1.9345e+00, 4.6791e+00],  
 [1.2573e+00, 4.5125e-04, 9.2109e-02],  
 [7.6831e+00, 5.9535e-03, 7.0928e-01],  
 [1.2915e+00, 4.1778e-05, 9.2208e-02],  
 [8.8711e-01, 2.6067e-06, 6.5636e-02],  
 [8.1651e+00, 2.2587e-03, 3.9168e-01],  
 [8.5110e+00, 5.6109e-03, 6.1350e-01],  
 [1.4117e+00, 1.3743e-04, 8.8198e-02],  
 [8.9371e+01, 6.4206e-01, 1.6693e+00],  
 [2.4193e-02, 2.0684e-08, 3.4818e-03],  
 [2.8611e+01, 4.6103e-01, 2.2207e+00],  
 [7.4144e+01, 6.4766e-02, 1.8461e+00],  
 [2.5643e+00, 1.8689e-03, 1.6865e-01],  
 [3.9926e+00, 1.8005e-03, 3.1486e-01],  
 [3.8386e-01, 6.3660e-05, 3.7803e-02],  
 [2.7302e+01, 4.0985e-02, 8.1179e-01],  
 [3.1724e+01, 7.1870e-02, 6.9548e-01],  
 [3.5387e+01, 3.2786e-01, 1.3435e+00],  
 [1.4304e+01, 2.7791e-02, 5.3398e-01],  
 [6.3184e+01, 1.3147e-01, 2.3744e+00],  
 [1.2554e+01, 1.9707e-02, 4.8353e-01],  
 [1.7586e+01, 7.7421e-02, 7.1071e-01],  
 [2.0340e+01, 1.1932e-01, 7.9182e-01],  
 [7.9443e-02, 6.0714e-07, 1.1596e-02],  
 [7.6842e+01, 9.3758e-01, 2.7469e+00],  
 [2.9163e+02, 1.1434e+01, 5.0714e+00],  
 [3.0609e-01, 3.0940e-05, 3.0827e-02],  
 [5.0772e+00, 4.5707e-03, 4.0559e-01],  
 [2.8953e+01, 5.4923e-02, 1.4909e+00],  
 [1.4180e+01, 1.1722e-02, 6.9966e-01],  
 [3.8922e+01, 7.7972e-02, 1.7586e+00],  
 [6.6838e-02, 3.4248e-06, 9.0271e-03],  
 [2.9249e+01, 3.1304e-01, 1.5123e+00],  
 [1.1391e+01, 5.7811e-03, 5.6669e-01],

[1.1099e+02, 2.0668e+00, 3.0045e+00],  
 [7.2681e-01, 9.7466e-05, 9.6064e-02],  
 [9.2518e-01, 6.3072e-04, 1.0048e-01],  
 [1.1760e+02, 2.0008e+00, 4.0595e+00],  
 [5.4342e+01, 6.4618e-01, 1.9637e+00],  
 [4.1399e-01, 1.2375e-04, 4.6395e-02],  
 [2.9964e-01, 5.5547e-06, 3.2974e-02],  
 [1.5324e+00, 4.8075e-04, 1.6367e-01],  
 [7.4084e-01, 4.3177e-04, 7.1510e-02],  
 [7.2340e-01, 4.8599e-05, 6.3732e-02],  
 [8.5193e-01, 5.5328e-05, 7.9125e-02],  
 [3.5078e+01, 3.2716e-01, 1.7629e+00],  
 [5.6104e+01, 2.6727e-01, 1.1458e+00],  
 [2.4351e+01, 4.6949e-02, 1.5618e+00],  
 [2.4110e-03, 8.7703e-10, 3.8664e-04],  
 [3.1307e+00, 1.6300e-03, 2.3919e-01],  
 [3.2626e-01, 6.8532e-05, 3.2905e-02],  
 [5.5774e-03, 1.1524e-08, 8.9300e-04],  
 [1.1557e+00, 4.8000e-04, 9.6015e-02],  
 [2.1588e-02, 6.4747e-08, 3.2188e-03],  
 [4.8777e+01, 5.6852e-01, 1.4296e+00],  
 [6.9120e+00, 3.6956e-03, 6.2270e-01],  
 [1.6256e-01, 1.3193e-05, 2.0292e-02],  
 [6.8317e+01, 2.8616e-01, 2.3779e+00],  
 [5.9150e+00, 6.7514e-03, 3.6803e-01],  
 [1.7203e+02, 4.2537e-01, 4.2341e+00],  
 [7.5420e-01, 2.5143e-04, 6.4808e-02],  
 [5.3320e+01, 7.2429e-01, 3.1759e+00],  
 [1.3037e+01, 1.0792e-01, 1.2178e+00],  
 [2.9562e+02, 8.8263e+00, 4.9470e+00],  
 [5.4484e+01, 3.3757e-01, 1.6087e+00],  
 [1.5166e-01, 5.6006e-06, 1.6888e-02],  
 [2.3720e-01, 3.2688e-05, 2.5768e-02],  
 [6.6180e-02, 3.6798e-06, 9.3278e-03],  
 [1.3765e+01, 3.5550e-02, 5.6414e-01],  
 [2.7378e+00, 2.9351e-03, 1.7463e-01],  
 [2.8779e+01, 1.7098e-01, 1.4375e+00],  
 [3.9338e+01, 1.1019e-01, 8.7119e-01],  
 [1.2470e+01, 3.3015e-02, 8.4538e-01],  
 [2.5637e+01, 2.5925e-01, 9.5921e-01],  
 [2.8819e-01, 5.8963e-06, 3.8018e-02],  
 [2.6272e+02, 1.2850e+01, 5.0806e+00],  
 [6.4328e+01, 2.6371e-01, 1.9757e+00],  
 [3.8252e+01, 1.0069e-01, 2.2455e+00],  
 [3.9556e+01, 6.2087e-02, 1.5148e+00],  
 [4.7342e+00, 9.1856e-03, 3.4942e-01],  
 [3.7728e+00, 4.2722e-03, 3.3308e-01],  
 [1.1315e-01, 5.6266e-06, 1.2600e-02],

[5.5494e-02, 7.9475e-07, 7.8374e-03],  
[2.5797e-02, 9.5887e-07, 3.6682e-03],  
[9.3560e-01, 1.0858e-04, 1.0924e-01],  
[1.6000e+00, 9.5376e-06, 1.1050e-01],  
[5.8388e-02, 3.1350e-06, 7.4208e-03],  
[9.2484e+01, 5.5181e-01, 2.2080e+00],  
[6.6129e+01, 1.4295e+00, 2.0049e+00],  
[2.9950e+01, 3.7685e-02, 1.6009e+00],  
[9.3331e-03, 1.0623e-07, 1.4001e-03],  
[1.1872e+01, 3.3971e-03, 4.9555e-01],  
[4.6619e-01, 6.8053e-05, 4.4523e-02],  
[1.9657e+02, 3.7105e+00, 3.6682e+00],  
[4.2541e+01, 3.5469e-01, 2.5353e+00],  
[1.5290e-01, 1.7044e-06, 1.8441e-02],  
[1.3424e+01, 1.4056e-02, 9.8705e-01],  
[2.6281e+00, 9.2096e-03, 3.1102e-01],  
[2.2615e-01, 2.7275e-05, 2.9202e-02],  
[3.2056e+01, 1.9323e-02, 9.3617e-01],  
[7.3235e-03, 7.9655e-09, 1.1519e-03],  
[1.3643e+00, 4.0508e-04, 1.0782e-01],  
[4.5295e+00, 1.4905e-03, 3.1001e-01],  
[1.0322e+01, 1.7874e-02, 6.1297e-01],  
[1.1643e+02, 1.2451e+00, 2.3014e+00],  
[5.7135e+01, 5.0807e-01, 1.3111e+00],  
[1.5271e-02, 5.5665e-08, 2.3086e-03],  
[2.0497e+00, 1.2629e-03, 1.3807e-01],  
[1.8597e+01, 8.5784e-02, 9.2136e-01],  
[2.9697e+01, 3.8316e-02, 1.6360e+00],  
[2.6103e+01, 1.4966e-02, 7.2707e-01],  
[1.9400e-02, 3.4170e-07, 2.8307e-03],  
[2.5150e-02, 3.1817e-07, 3.7762e-03],  
[6.2623e-01, 1.2992e-04, 5.4899e-02],  
[5.1990e-02, 2.1841e-06, 6.8518e-03],  
[5.1615e+00, 9.8764e-03, 3.5749e-01],  
[1.8709e+00, 5.7350e-04, 1.8778e-01],  
[2.4383e+00, 2.3365e-03, 1.7550e-01],  
[1.0905e+00, 1.3919e-03, 1.3148e-01],  
[7.4989e-01, 8.2400e-05, 6.0494e-02],  
[4.8747e-02, 2.7155e-07, 6.7668e-03],  
[8.4530e-01, 2.3098e-04, 8.3830e-02],  
[2.7098e+01, 1.9183e-01, 8.4918e-01],  
[2.9277e+01, 3.8931e-02, 1.1397e+00],  
[5.0995e+01, 1.4337e-01, 2.5585e+00],  
[1.5952e+00, 1.8623e-03, 1.4808e-01],  
[2.6872e+00, 7.7925e-04, 1.5590e-01],  
[7.0669e+01, 1.1547e+00, 2.6403e+00],  
[1.3331e+02, 2.2147e+00, 3.6650e+00],  
[8.7357e+01, 5.6361e-01, 3.2702e+00],

```

[8.7484e-01, 8.3299e-05, 7.9884e-02],
[9.1139e-02, 5.1636e-06, 1.1515e-02],
[4.6581e-01, 5.5473e-05, 6.9474e-02],
[3.9769e+01, 7.8644e-01, 2.8757e+00],
[5.2256e-01, 1.6703e-04, 5.0287e-02],
[5.7792e-02, 3.6265e-06, 7.9912e-03],
[1.9321e+01, 2.3741e-02, 1.6924e+00],
[3.8037e-01, 7.4945e-05, 3.4258e-02],
[9.9490e+01, 1.4266e+00, 3.1076e+00],
[1.7251e+02, 4.9443e+00, 4.1327e+00],
[2.8914e-01, 3.0869e-05, 3.0916e-02],
[1.6601e+01, 2.8364e-03, 5.9151e-01],
[3.2818e+00, 2.7635e-03, 2.0208e-01],
[4.0664e-02, 1.6610e-07, 5.6192e-03],
[5.8976e+00, 2.3171e-03, 2.2538e-01],
[1.4603e-01, 5.6757e-06, 1.8006e-02],
[1.4345e+01, 6.8498e-02, 7.0014e-01],
[1.5411e-01, 1.0954e-05, 1.8071e-02],
[6.8005e+00, 7.7645e-03, 3.4526e-01],
[3.6207e-01, 1.7735e-05, 4.1942e-02],
[8.6752e-02, 4.5912e-06, 1.0960e-02],
[2.3071e+01, 8.1766e-03, 9.6081e-01],
[2.2024e-03, 6.7314e-09, 3.5160e-04],
[5.3123e+01, 2.2648e-01, 1.0633e+00],
[2.5261e+00, 3.1505e-03, 2.0517e-01],
[2.9561e+01, 7.9487e-02, 9.0824e-01],
[7.8848e-03, 3.2706e-08, 1.2290e-03],
[7.8503e-02, 3.4460e-06, 1.0329e-02],
[2.2372e+00, 1.3830e-03, 1.8330e-01],
[1.9670e-01, 9.2188e-06, 2.5690e-02],
[2.7424e+01, 3.3088e-01, 2.2314e+00],
[2.0051e-01, 1.5230e-05, 2.7997e-02],
[9.0679e+00, 2.1193e-02, 4.4801e-01],
[8.9949e+01, 1.3247e+00, 2.8180e+00],
[8.8146e+01, 8.0702e-01, 1.5656e+00],
[4.9168e-01, 2.1013e-06, 4.9470e-02],
[3.5697e+01, 1.5162e-01, 1.4858e+00],
[1.3759e+02, 2.0695e+00, 4.1540e+00],
[4.5887e+01, 4.1678e-01, 1.4584e+00],
[2.2301e-01, 4.5214e-06, 2.4134e-02],
[1.0861e+00, 1.0797e-03, 1.3229e-01],
[6.5494e-01, 6.7091e-05, 6.6318e-02],
[5.6247e+01, 1.6222e-02, 1.2952e+00],
[1.0274e+00, 1.8985e-04, 8.6842e-02]], dtype=torch.float64)

```

Iteration: 10

```

Inputs: tensor([[3.2288e+19, 2.3307e+02, 1.7776e+01, 7.7504e+00],
                [2.5095e+19, 2.0730e+02, 9.7224e+00, 5.7257e+00],
                [1.9079e+18, 4.0433e+02, 2.5140e+00, 8.3872e+00],

```

```

...,
[2.2670e+20, 2.7731e+02, 6.7969e+00, 1.3666e+00],
[7.4468e+20, 3.8606e+02, 1.6366e+01, 2.1695e+00],
[2.2258e+20, 7.9917e+01, 8.1180e+00, 2.2727e+00]], dtype=torch.float64)
Target: tensor([[8.2666e+00, 2.8124e-02, 5.0851e-01],
[6.5649e+00, 7.8280e-03, 4.1943e-01],
[1.0639e+00, 1.4940e-04, 6.4310e-02],
[1.0208e+01, 3.8482e-02, 1.1412e+00],
[6.0427e-01, 2.6075e-05, 4.5813e-02],
[6.1618e+01, 2.3264e-01, 1.6624e+00],
[3.5535e-01, 3.3892e-05, 3.2054e-02],
[1.2398e+00, 4.1777e-04, 1.0022e-01],
[4.3844e+00, 8.6674e-04, 2.9353e-01],
[7.6325e+01, 3.2736e-01, 3.2670e+00],
[3.1864e-02, 7.4906e-07, 4.6412e-03],
[1.7390e+01, 6.2198e-02, 1.2789e+00],
[1.4197e+02, 4.5101e+00, 4.1565e+00],
[1.7162e+01, 4.0095e-02, 1.0053e+00],
[2.2838e+01, 1.2407e-01, 1.0254e+00],
[1.5939e+02, 4.1399e+00, 4.6140e+00],
[3.4107e+01, 7.3998e-02, 1.1707e+00],
[3.2996e+00, 7.9226e-04, 1.9436e-01],
[8.0876e+01, 6.7357e-01, 1.8059e+00],
[1.4792e+00, 6.5913e-04, 1.3690e-01],
[9.7430e-02, 2.1956e-06, 1.4775e-02],
[1.7474e+01, 4.6967e-02, 1.2098e+00],
[2.1184e-01, 2.5514e-05, 2.2417e-02],
[4.1547e-01, 3.2528e-05, 5.0103e-02],
[6.4141e+00, 5.2185e-03, 4.1991e-01],
[7.3074e+01, 1.0168e+00, 2.2986e+00],
[1.1562e+00, 1.6670e-04, 1.3217e-01],
[4.5087e+01, 1.5448e-01, 2.2102e+00],
[7.6191e+00, 4.1835e-04, 3.2810e-01],
[2.5742e+00, 2.1651e-03, 1.6458e-01],
[1.2033e-01, 7.5072e-06, 1.7428e-02],
[5.5504e+00, 1.1793e-02, 4.2879e-01],
[6.1142e+01, 5.8256e-01, 1.5091e+00],
[7.2505e-02, 1.8256e-06, 9.4520e-03],
[7.9321e+01, 7.1791e-01, 2.1923e+00],
[5.2020e+00, 2.7761e-03, 2.2251e-01],
[3.3767e+01, 2.6984e-02, 1.1538e+00],
[2.1325e+01, 1.2853e-01, 8.3084e-01],
[1.6948e+00, 1.2046e-03, 1.2588e-01],
[9.8188e-02, 3.6457e-06, 1.1768e-02],
[6.7264e+01, 1.0083e+00, 1.9526e+00],
[4.8486e-02, 4.7518e-07, 6.3490e-03],
[5.9197e+00, 4.2042e-03, 3.1127e-01],
[5.3417e+01, 7.2540e-01, 2.3242e+00],

```

[1.0950e+01, 2.0562e-03, 6.3665e-01],  
[8.0098e+01, 2.4199e-01, 1.6263e+00],  
[1.1218e+00, 4.4014e-04, 1.1675e-01],  
[1.3400e-01, 1.6061e-06, 1.6885e-02],  
[2.6006e-01, 1.1681e-05, 2.7044e-02],  
[8.8096e-01, 2.3845e-04, 8.9200e-02],  
[8.4829e-01, 6.0795e-05, 4.9829e-02],  
[9.4605e+00, 4.7301e-03, 9.6605e-01],  
[7.4659e+01, 1.5520e+00, 2.2034e+00],  
[1.4289e+02, 6.9525e-01, 4.7192e+00],  
[1.4017e+02, 8.1201e-01, 2.8956e+00],  
[1.1962e+01, 3.1274e-03, 3.7363e-01],  
[1.8636e-01, 1.0741e-05, 2.5131e-02],  
[7.6754e+01, 1.6191e-01, 1.7701e+00],  
[2.8380e+01, 1.3913e-01, 1.2006e+00],  
[1.1121e+00, 1.4145e-04, 8.8889e-02],  
[5.9354e-01, 4.8515e-05, 5.8433e-02],  
[1.6763e+02, 5.0700e+00, 3.7714e+00],  
[5.3043e+01, 5.2641e-02, 2.1631e+00],  
[1.2637e-01, 1.5418e-06, 1.6762e-02],  
[3.4710e-02, 6.3209e-08, 4.7053e-03],  
[3.2971e-01, 6.1832e-05, 2.8708e-02],  
[2.7978e-01, 6.0466e-05, 3.0712e-02],  
[2.2975e-01, 1.3561e-05, 2.7745e-02],  
[4.3573e+00, 1.6468e-03, 4.6168e-01],  
[8.5481e+00, 4.9482e-02, 5.9431e-01],  
[2.5986e-02, 5.7513e-08, 3.6396e-03],  
[8.0553e-03, 1.9512e-08, 1.2754e-03],  
[3.2872e+01, 2.8592e-01, 1.5551e+00],  
[7.4625e+01, 1.9339e-01, 2.3149e+00],  
[9.8084e+01, 7.4986e-01, 1.8818e+00],  
[5.6677e-01, 6.2090e-05, 4.8542e-02],  
[5.0457e-02, 2.1727e-07, 7.3960e-03],  
[1.7300e+01, 2.0099e-03, 6.7718e-01],  
[2.0070e+01, 6.9988e-02, 1.7138e+00],  
[4.2044e+01, 5.7072e-02, 1.9727e+00],  
[2.5231e+01, 1.0865e-01, 9.7104e-01],  
[2.1948e+02, 3.7533e+00, 4.8197e+00],  
[1.4196e-01, 6.9849e-06, 1.6352e-02],  
[2.1080e+00, 1.2284e-03, 1.8288e-01],  
[1.1474e-01, 3.4830e-06, 1.4017e-02],  
[1.4251e+02, 4.5493e+00, 3.5604e+00],  
[3.1267e+00, 2.1006e-03, 2.1097e-01],  
[4.5448e+00, 1.3148e-03, 2.2449e-01],  
[4.9861e+01, 4.1956e-02, 1.2772e+00],  
[6.7914e+01, 1.5585e+00, 2.5715e+00],  
[8.3183e+01, 4.2532e-01, 1.6151e+00],  
[2.2157e+00, 5.0654e-04, 1.6071e-01],

[1.0867e-01, 2.9456e-06, 1.2223e-02],  
[1.0895e+02, 3.4460e+00, 2.6062e+00],  
[3.4875e+01, 1.4553e-01, 1.9037e+00],  
[5.7640e+00, 9.1247e-03, 4.8108e-01],  
[1.6744e-02, 1.9764e-07, 2.5228e-03],  
[6.0290e+01, 2.0888e-01, 2.9458e+00],  
[7.3818e+00, 8.8812e-03, 3.3177e-01],  
[5.2610e+01, 3.3832e-01, 1.2609e+00],  
[4.0139e-01, 5.7659e-06, 3.8173e-02],  
[3.8391e-01, 1.7665e-05, 3.8601e-02],  
[5.0968e+00, 6.1915e-03, 4.5396e-01],  
[4.7213e-01, 3.2014e-04, 6.4500e-02],  
[1.7434e-01, 8.7653e-06, 1.9036e-02],  
[2.1839e+01, 3.0304e-02, 8.6652e-01],  
[8.0862e+01, 2.6064e-01, 3.8282e+00],  
[6.9742e+00, 1.5978e-02, 4.1555e-01],  
[6.9094e+01, 4.4370e-01, 2.4859e+00],  
[1.7823e-01, 1.3725e-05, 1.8093e-02],  
[7.5406e+01, 4.8768e-01, 1.7673e+00],  
[4.6017e+00, 6.9561e-03, 3.6579e-01],  
[1.6860e-02, 1.3101e-07, 2.4805e-03],  
[6.2190e+00, 9.4730e-03, 3.9591e-01],  
[7.9333e-02, 9.3075e-07, 1.0782e-02],  
[1.3895e+02, 2.8255e+00, 2.9629e+00],  
[1.1726e-01, 3.4732e-06, 1.4946e-02],  
[3.9862e+01, 4.4545e-01, 1.1738e+00],  
[5.9249e+01, 2.0594e-01, 3.1054e+00],  
[1.3070e+02, 1.2285e+00, 2.0399e+00],  
[1.2082e+00, 7.2350e-05, 1.4426e-01],  
[5.3154e+00, 7.7212e-04, 3.0599e-01],  
[1.5139e-01, 5.4215e-06, 1.7072e-02],  
[8.3740e+01, 1.7526e+00, 2.3519e+00],  
[4.1461e+01, 5.3178e-02, 1.5507e+00],  
[4.9185e+01, 8.6388e-01, 1.4337e+00],  
[8.9341e-03, 1.1015e-08, 1.3654e-03],  
[1.4024e+01, 4.6074e-02, 6.1638e-01],  
[1.6868e-01, 8.5812e-06, 1.9381e-02],  
[2.9411e+02, 5.3057e+00, 5.1023e+00],  
[9.3459e-01, 4.4709e-04, 9.0097e-02],  
[2.4393e+00, 8.1515e-04, 1.4112e-01],  
[1.0625e+00, 4.1522e-04, 1.4078e-01],  
[2.0288e-01, 3.1582e-05, 2.6648e-02],  
[2.5024e-02, 2.9268e-07, 3.6949e-03],  
[1.0731e-01, 1.0329e-05, 1.3145e-02],  
[3.9401e+01, 7.3364e-02, 1.9975e+00],  
[1.0743e-01, 8.2312e-06, 1.2548e-02],  
[4.5113e+01, 9.9528e-02, 1.5953e+00],  
[3.5233e+01, 8.1529e-02, 1.4910e+00],

[2.8788e+00, 1.2463e-03, 1.6848e-01],  
[2.8468e+01, 1.4607e-01, 1.0421e+00],  
[2.0471e+00, 7.2096e-04, 1.4910e-01],  
[1.8387e-01, 2.3052e-05, 2.2161e-02],  
[8.9941e+00, 1.6017e-02, 4.1608e-01],  
[4.2337e-03, 1.7818e-08, 6.5701e-04],  
[9.2006e+01, 3.8127e-01, 2.0128e+00],  
[6.0311e-02, 5.8474e-07, 7.6675e-03],  
[4.1469e+00, 3.1538e-03, 3.2033e-01],  
[2.4731e+01, 1.3805e-01, 1.1461e+00],  
[6.5372e+01, 1.2374e+00, 1.6533e+00],  
[1.0672e+02, 7.3093e-01, 3.1797e+00],  
[9.3484e-03, 2.1128e-08, 1.4546e-03],  
[1.9956e-02, 6.8663e-09, 2.8511e-03],  
[9.0992e+00, 1.3259e-02, 8.6480e-01],  
[1.3730e+02, 2.0868e+00, 3.2570e+00],  
[1.0577e+00, 2.4154e-05, 8.6933e-02],  
[1.9324e+02, 8.8379e-01, 4.9053e+00],  
[1.2545e+02, 1.6305e+00, 4.4391e+00],  
[1.8837e+00, 2.8808e-04, 9.9378e-02],  
[8.9746e+01, 1.1823e+00, 2.7744e+00],  
[9.5608e-01, 3.9033e-05, 7.2626e-02],  
[8.1823e+01, 1.7054e+00, 4.0452e+00],  
[1.0743e+01, 2.0945e-02, 5.9378e-01],  
[7.4538e-01, 6.0791e-05, 6.2511e-02],  
[4.9202e+00, 1.2804e-02, 4.2692e-01],  
[2.1139e-02, 3.2143e-07, 3.2257e-03],  
[1.1690e+02, 2.0328e+00, 2.9528e+00],  
[9.9059e+00, 1.8839e-02, 4.2444e-01],  
[4.8287e-01, 1.0901e-04, 4.0790e-02],  
[2.5463e+01, 2.2294e-01, 1.5962e+00],  
[7.9455e+01, 1.1295e+00, 2.5956e+00],  
[1.6459e-01, 2.7322e-06, 2.0567e-02],  
[1.3477e-02, 5.7651e-08, 2.0486e-03],  
[4.0995e-01, 2.0925e-05, 3.9597e-02],  
[4.3636e-01, 3.4500e-05, 4.9084e-02],  
[2.7642e+01, 1.8201e-01, 1.0077e+00],  
[5.6307e+00, 8.2696e-03, 3.3003e-01],  
[4.9041e+01, 5.4266e-01, 1.5444e+00],  
[6.8958e-02, 3.7484e-06, 9.2581e-03],  
[8.2212e+01, 8.5248e-01, 2.4469e+00],  
[1.0591e+02, 3.5871e+00, 3.5443e+00],  
[1.7663e-02, 5.5844e-08, 2.5904e-03],  
[1.9352e-02, 4.2041e-07, 2.8395e-03],  
[1.2177e+02, 3.7247e+00, 3.0505e+00],  
[1.8771e-03, 9.5675e-10, 3.0517e-04],  
[3.1340e+01, 4.2761e-02, 1.4418e+00],  
[2.8584e+00, 7.3791e-04, 2.9935e-01],



[8.0269e-01, 8.3327e-05, 5.6298e-02],  
[3.3707e+01, 6.3718e-01, 1.8831e+00],  
[1.9885e+01, 1.2203e-01, 8.2553e-01],  
[6.5875e-01, 1.9717e-05, 7.1099e-02],  
[4.3791e-01, 8.1814e-05, 4.5962e-02],  
[5.9217e-02, 3.1797e-07, 7.8325e-03],  
[3.9693e+01, 9.4340e-02, 1.2771e+00],  
[4.0162e+00, 4.5858e-03, 2.4674e-01],  
[2.9185e+01, 3.5802e-01, 1.1962e+00],  
[2.6144e+01, 1.2776e-01, 8.3746e-01],  
[4.3789e+01, 4.9130e-01, 2.9530e+00],  
[1.8297e+01, 3.1973e-02, 4.8292e-01],  
[3.4270e+01, 1.8103e-01, 1.6136e+00],  
[8.5197e-01, 4.0886e-04, 1.0449e-01],  
[1.8911e+01, 1.6856e-01, 1.2638e+00],  
[2.1200e+02, 5.2520e+00, 4.4740e+00],  
[2.1730e+01, 5.1491e-02, 1.1211e+00],  
[2.2004e+01, 1.7242e-01, 9.0005e-01],  
[2.5773e+01, 5.6508e-02, 7.4948e-01],  
[1.2556e+02, 1.7522e+00, 2.9727e+00],  
[1.4140e+01, 2.6585e-02, 1.0232e+00],  
[4.8218e+00, 1.2410e-02, 4.1033e-01],  
[8.0367e-01, 1.8348e-04, 8.4609e-02],  
[3.3809e+01, 9.7164e-02, 1.0091e+00],  
[1.9878e-01, 3.0769e-06, 2.4904e-02],  
[2.1349e+01, 4.5678e-02, 7.4530e-01],  
[1.2091e+02, 4.1471e+00, 4.3302e+00],  
[1.4997e-01, 2.1863e-06, 1.7568e-02],  
[3.3179e+01, 1.8234e-01, 9.5100e-01],  
[5.1281e-01, 9.2725e-05, 6.5123e-02],  
[1.4508e-02, 7.8463e-08, 2.2370e-03],  
[6.6960e+01, 4.8893e-02, 1.7218e+00],  
[4.2649e+01, 5.6511e-01, 1.6501e+00],  
[4.8603e-01, 1.2119e-04, 4.3651e-02],  
[4.2761e+00, 7.3292e-03, 4.2512e-01],  
[2.1010e-01, 4.1999e-06, 2.3274e-02],  
[5.1541e-01, 7.4245e-06, 5.8312e-02],  
[1.8078e+01, 1.6292e-01, 1.3456e+00],  
[4.4647e+00, 3.9373e-03, 2.3685e-01],  
[1.1577e+02, 1.1156e+00, 3.7803e+00],  
[4.0419e+01, 4.8390e-02, 2.6689e+00],  
[1.3702e+02, 3.1587e+00, 3.6553e+00],  
[1.1129e+01, 8.3774e-03, 6.8276e-01],  
[2.3464e+00, 2.5977e-03, 1.9502e-01],  
[1.5201e+01, 3.4748e-02, 6.9459e-01],  
[3.6046e+01, 8.0627e-02, 1.1044e+00],  
[4.3576e-01, 4.2477e-05, 3.7408e-02],  
[4.1601e+01, 3.0979e-01, 2.5910e+00],

[1.8489e+00, 1.2583e-03, 1.7407e-01],  
[1.2462e+01, 1.2007e-02, 8.7994e-01],  
[3.4170e+01, 4.0274e-01, 2.1058e+00],  
[1.5020e+01, 7.1010e-02, 7.5600e-01],  
[1.7274e+00, 4.5724e-04, 1.4964e-01],  
[4.2467e+00, 1.7789e-03, 3.3437e-01],  
[1.0469e+00, 1.8176e-04, 1.1452e-01],  
[4.9284e-01, 1.9541e-04, 5.4258e-02],  
[9.7537e+00, 1.5170e-02, 9.8236e-01],  
[5.9977e+01, 3.7935e-01, 3.4302e+00],  
[4.9605e+01, 1.0073e-01, 1.0565e+00],  
[1.6804e+01, 2.4428e-02, 1.1327e+00],  
[4.7016e-02, 9.0758e-07, 6.4022e-03],  
[1.2548e+01, 6.4667e-02, 1.1395e+00],  
[3.0972e+00, 6.9366e-04, 4.0307e-01],  
[1.1641e+00, 2.4436e-04, 1.3970e-01],  
[1.5384e+00, 1.6095e-03, 2.0503e-01],  
[2.9536e+01, 6.5774e-02, 1.1797e+00],  
[7.1266e+01, 1.1196e+00, 2.3117e+00],  
[1.5038e-02, 1.5835e-07, 2.2804e-03],  
[2.4756e-02, 2.2628e-08, 3.5757e-03],  
[8.6862e+01, 7.2045e-01, 2.9734e+00],  
[2.1549e+01, 1.2239e-02, 8.7758e-01],  
[1.9228e-01, 8.3305e-06, 2.5525e-02],  
[6.7346e+01, 6.5481e-02, 1.9822e+00],  
[2.1880e+02, 3.1594e+00, 3.7003e+00],  
[6.0643e+00, 5.1848e-03, 4.3127e-01],  
[1.1667e+02, 2.0566e+00, 3.4357e+00],  
[1.2253e+00, 2.3507e-04, 1.0346e-01],  
[2.6951e+00, 8.3686e-04, 1.9471e-01],  
[2.9394e+01, 1.0043e-02, 1.0730e+00],  
[4.5239e-01, 5.9769e-06, 3.7919e-02],  
[2.6192e+01, 1.1672e-02, 1.7538e+00],  
[2.6138e+01, 2.1507e-01, 1.2636e+00],  
[5.3356e+01, 3.0689e-01, 1.8524e+00],  
[9.1866e-03, 2.8798e-08, 1.3916e-03],  
[1.0157e+02, 2.6857e+00, 4.0687e+00],  
[1.5340e+00, 8.4303e-05, 1.2476e-01],  
[5.8903e-03, 5.4910e-08, 9.1583e-04],  
[4.8793e+01, 5.8997e-01, 2.3148e+00],  
[3.1761e+00, 9.8111e-04, 2.1181e-01],  
[9.3995e-01, 2.2381e-04, 9.8151e-02],  
[1.1783e-01, 1.3307e-06, 1.4146e-02],  
[5.4622e+00, 1.7079e-03, 3.0643e-01],  
[6.0228e-01, 1.2347e-04, 7.9661e-02],  
[7.8932e+01, 1.3805e+00, 2.8451e+00],  
[7.7739e+00, 3.0706e-02, 7.4432e-01],  
[1.8294e+01, 5.0812e-02, 6.6520e-01],

```

[4.6477e+01, 3.2967e-01, 3.0859e+00],
[3.5233e+00, 4.2487e-03, 2.4936e-01],
[3.7265e+00, 1.9831e-03, 2.5400e-01],
[5.1692e+00, 6.2955e-03, 2.9452e-01],
[6.4672e-01, 1.1937e-04, 8.0894e-02],
[4.4468e+01, 9.0909e-02, 1.3375e+00],
[9.2536e+01, 1.4804e+00, 2.9180e+00],
[2.0768e-01, 1.5365e-05, 2.6043e-02],
[5.4639e-01, 6.3438e-05, 5.5892e-02],
[1.4185e+01, 8.7623e-02, 7.6139e-01],
[2.3403e+01, 1.3440e-01, 1.0631e+00],
[4.6220e+01, 1.3531e-01, 1.7951e+00],
[2.0733e+01, 6.4665e-03, 9.9303e-01],
[3.1505e-01, 1.1654e-05, 4.3047e-02],
[2.5428e+00, 3.9791e-04, 1.9893e-01],
[2.0964e+01, 1.8471e-02, 9.7005e-01],
[4.4320e-01, 4.9506e-05, 4.1779e-02],
[6.3373e+01, 2.6538e-01, 2.4263e+00],
[2.9137e-01, 1.0378e-05, 3.8504e-02],
[2.7005e-01, 7.6408e-05, 3.9474e-02],
[2.9179e+01, 6.0151e-02, 1.0139e+00],
[3.0569e-01, 3.5378e-05, 2.7871e-02],
[4.8338e+01, 2.2857e-01, 1.1653e+00],
[1.7763e-03, 6.1878e-10, 2.8596e-04],
[7.2088e-02, 5.7384e-07, 1.0109e-02],
[1.1557e+01, 3.0030e-02, 8.5740e-01],
[9.2474e+00, 1.1487e-02, 7.5319e-01],
[1.9886e-01, 1.8971e-05, 2.0859e-02],
[1.2638e+00, 1.3587e-04, 6.9314e-02],
[3.4136e-02, 7.7213e-07, 4.9292e-03],
[4.1577e-01, 1.4292e-04, 4.8848e-02],
[2.0352e+02, 4.8164e+00, 3.4358e+00],
[4.9211e-01, 7.5648e-05, 4.2314e-02],
[3.2102e+01, 2.1862e-02, 1.7364e+00],
[7.7876e+01, 3.8294e-01, 3.5949e+00],
[9.0101e+00, 7.4555e-03, 8.5502e-01]], dtype=torch.float64)
Iteration: 11
Inputs: tensor([[3.9253e+20, 3.1240e+02, 1.6976e+01, 2.9215e+00],
[1.8174e+19, 3.6563e+02, 1.6762e+01, 6.5921e+00],
[5.0849e+18, 4.3598e+02, 8.0705e+00, 7.5837e+00],
...,
[6.7338e+18, 3.3879e+02, 6.1318e+00, 9.5349e+00],
[2.5352e+20, 2.4925e+02, 1.1221e+01, 9.1853e+00],
[2.9283e+19, 4.3572e+02, 1.6886e+01, 6.2387e+00]]), dtype=torch.float64)
Target: tensor([[4.8573e+01, 2.3759e-01, 2.4443e+00],
[6.1335e+00, 1.0121e-02, 3.6280e-01],
[2.6033e+00, 1.1337e-03, 1.4939e-01],
[1.1559e+00, 6.1831e-04, 9.2568e-02],

```

[1.3917e+01, 2.1531e-02, 8.1056e-01],  
 [7.7922e+00, 5.5111e-03, 2.8777e-01],  
 [6.3733e+00, 5.1803e-03, 3.2805e-01],  
 [1.6416e+01, 1.1110e-02, 8.5852e-01],  
 [1.7975e-01, 1.7782e-06, 2.3974e-02],  
 [1.8557e+00, 4.1347e-04, 1.1718e-01],  
 [3.0034e-02, 1.2509e-07, 4.3840e-03],  
 [4.3375e-01, 1.2568e-05, 5.2998e-02],  
 [9.2499e-01, 2.1484e-04, 6.1345e-02],  
 [2.4606e-01, 5.9613e-05, 3.3086e-02],  
 [8.6308e+00, 1.9460e-02, 4.1711e-01],  
 [2.8142e+01, 1.8926e-01, 2.2761e+00],  
 [4.4266e+01, 2.7270e-01, 2.7082e+00],  
 [1.0212e-01, 6.2585e-07, 1.1807e-02],  
 [3.7203e-02, 7.4762e-07, 5.3207e-03],  
 [4.0159e-02, 5.0395e-07, 5.7438e-03],  
 [5.1082e+00, 2.4990e-03, 3.7377e-01],  
 [5.5387e+01, 5.4245e-01, 1.5415e+00],  
 [1.8682e+00, 2.8926e-04, 9.3444e-02],  
 [3.0121e+00, 9.3328e-04, 2.5075e-01],  
 [9.6381e+00, 7.5482e-03, 3.9590e-01],  
 [1.4627e+02, 1.3724e+00, 3.9898e+00],  
 [5.7096e-01, 1.8146e-04, 7.2235e-02],  
 [2.1854e+02, 9.2863e+00, 4.2135e+00],  
 [1.6109e-01, 2.2919e-06, 2.0994e-02],  
 [1.3607e+00, 7.9234e-04, 1.0651e-01],  
 [1.5783e+01, 1.6136e-02, 7.6010e-01],  
 [1.9971e+01, 7.3949e-03, 1.2643e+00],  
 [1.0760e+01, 2.7360e-02, 4.7317e-01],  
 [2.8110e+00, 1.2047e-03, 2.5669e-01],  
 [5.0943e+00, 3.6865e-03, 3.2052e-01],  
 [7.2928e-02, 7.0034e-07, 1.0147e-02],  
 [3.6912e-01, 1.1239e-05, 4.4944e-02],  
 [2.1637e-01, 1.0517e-05, 2.0225e-02],  
 [3.3166e+01, 4.5667e-01, 1.3062e+00],  
 [2.1981e-01, 8.3867e-06, 2.8342e-02],  
 [5.7239e+00, 2.6301e-03, 2.8640e-01],  
 [5.5058e+01, 1.2957e+00, 3.3887e+00],  
 [7.0890e+00, 6.5459e-03, 2.9779e-01],  
 [1.3103e+01, 6.1177e-02, 1.1181e+00],  
 [3.7200e-01, 6.3702e-05, 5.2608e-02],  
 [4.2225e+00, 2.2895e-03, 2.3936e-01],  
 [1.6314e+02, 2.2606e+00, 3.7669e+00],  
 [6.5881e-03, 1.4528e-08, 1.0104e-03],  
 [1.0801e+01, 5.4387e-03, 5.9731e-01],  
 [1.6831e-03, 1.2775e-09, 2.6890e-04],  
 [1.1437e+01, 1.7077e-02, 6.2722e-01],  
 [3.0982e-01, 7.6814e-06, 3.9804e-02],

[4.3296e+00, 2.3725e-04, 1.9723e-01],  
[1.4788e-01, 1.2980e-05, 1.6066e-02],  
[1.1906e+02, 3.4084e+00, 3.3526e+00],  
[2.2963e-01, 2.4465e-05, 2.5134e-02],  
[1.0426e+01, 2.3730e-02, 8.6408e-01],  
[7.9597e-01, 1.0782e-04, 1.0173e-01],  
[1.6496e+02, 1.8392e+00, 3.3262e+00],  
[9.8865e+00, 4.1220e-02, 7.3397e-01],  
[4.1154e+01, 3.6715e-01, 2.1092e+00],  
[2.6379e+01, 2.0988e-01, 1.1603e+00],  
[1.1116e-01, 1.2102e-05, 1.3148e-02],  
[1.5278e+01, 1.2498e-02, 5.8465e-01],  
[1.4993e+00, 1.4432e-04, 1.3517e-01],  
[1.8030e+01, 2.9358e-02, 8.2561e-01],  
[2.6397e-01, 7.4531e-06, 2.7660e-02],  
[3.4590e-02, 7.0891e-08, 4.9798e-03],  
[8.4709e+01, 4.7698e-01, 2.3983e+00],  
[3.7189e+01, 1.4294e-01, 1.6547e+00],  
[1.3924e+01, 4.7083e-02, 6.6849e-01],  
[3.5642e+00, 3.2159e-03, 2.3704e-01],  
[5.0470e+01, 6.0985e-01, 2.1847e+00],  
[3.6736e-01, 2.8756e-05, 3.5690e-02],  
[1.0956e+00, 5.7530e-05, 8.3900e-02],  
[5.8191e+01, 7.1617e-01, 3.1306e+00],  
[1.3210e+00, 9.1441e-04, 1.4624e-01],  
[2.8585e+01, 3.4961e-01, 1.9875e+00],  
[1.5894e+00, 5.1650e-04, 1.0063e-01],  
[3.4181e+01, 9.0177e-02, 1.1580e+00],  
[3.0637e+00, 3.1998e-03, 2.0061e-01],  
[6.3569e-02, 9.7493e-07, 9.9083e-03],  
[7.6230e-02, 1.1741e-06, 1.1754e-02],  
[1.9646e+00, 2.4520e-04, 1.2393e-01],  
[1.1392e+02, 2.3422e+00, 2.2988e+00],  
[1.3808e+01, 1.0277e-01, 1.3210e+00],  
[4.7450e+01, 5.0716e-01, 2.2223e+00],  
[2.8414e+00, 1.7781e-03, 2.1977e-01],  
[3.6807e-02, 1.8871e-07, 5.2849e-03],  
[9.5843e+01, 1.3855e+00, 2.9329e+00],  
[1.0385e-01, 3.1222e-06, 1.2719e-02],  
[4.0740e-02, 6.3778e-07, 5.9829e-03],  
[1.1267e+01, 3.5671e-03, 5.7962e-01],  
[3.8946e+00, 1.4892e-03, 1.8042e-01],  
[3.4019e+01, 2.4590e-01, 1.3069e+00],  
[1.4805e+01, 1.1908e-02, 1.3042e+00],  
[2.5810e+01, 6.4729e-02, 8.5307e-01],  
[3.6722e+00, 3.0302e-03, 2.1396e-01],  
[4.4690e+01, 7.1662e-02, 1.7980e+00],  
[7.8726e+01, 6.7690e-01, 1.4689e+00],

[3.9419e-01, 4.1830e-05, 5.0595e-02],  
 [2.9549e-01, 2.9613e-05, 2.5247e-02],  
 [9.5748e+00, 1.4786e-02, 6.1514e-01],  
 [1.1599e+01, 1.5830e-02, 4.1927e-01],  
 [9.5055e+01, 5.3309e-02, 3.3862e+00],  
 [3.2664e+00, 1.4969e-03, 2.9789e-01],  
 [2.7889e+00, 2.4500e-03, 2.5198e-01],  
 [1.5249e+00, 7.6263e-05, 1.3580e-01],  
 [8.4857e+00, 9.0753e-03, 5.1099e-01],  
 [8.8278e+01, 3.0614e-01, 2.5133e+00],  
 [1.4621e+01, 7.0951e-02, 8.1046e-01],  
 [1.0454e+02, 3.0063e+00, 3.6958e+00],  
 [8.2718e+00, 1.1819e-02, 8.6652e-01],  
 [4.5977e-03, 1.3604e-08, 7.2855e-04],  
 [2.0675e+01, 9.0395e-02, 1.7149e+00],  
 [5.0660e-01, 1.6259e-04, 4.5177e-02],  
 [6.8019e+01, 5.7128e-02, 1.6212e+00],  
 [1.2394e-02, 3.3498e-08, 1.8505e-03],  
 [1.8304e+00, 1.0988e-03, 1.3842e-01],  
 [3.1504e+00, 3.7116e-04, 2.5031e-01],  
 [3.6250e-01, 4.5554e-05, 3.9931e-02],  
 [1.8276e+02, 1.1544e+00, 3.1214e+00],  
 [1.5663e+02, 2.7310e+00, 3.5544e+00],  
 [1.1825e+01, 1.2989e-02, 5.3198e-01],  
 [4.1098e-01, 6.1053e-05, 3.9029e-02],  
 [1.5976e+01, 9.0517e-02, 7.8395e-01],  
 [2.5722e+00, 3.0934e-03, 2.2398e-01],  
 [4.3956e+00, 6.0123e-03, 3.0789e-01],  
 [4.0304e-01, 6.9452e-05, 3.8518e-02],  
 [8.3747e-02, 3.2593e-06, 9.9002e-03],  
 [3.5596e+01, 3.1458e-02, 2.1185e+00],  
 [2.6643e+00, 2.5795e-04, 1.9992e-01],  
 [3.3701e+01, 3.1193e-01, 1.1481e+00],  
 [4.7243e+01, 3.8765e-01, 2.2853e+00],  
 [1.0305e+00, 1.4516e-04, 1.2348e-01],  
 [6.3304e+00, 7.2827e-03, 5.2279e-01],  
 [9.4813e+00, 1.5640e-02, 6.2648e-01],  
 [1.0868e+02, 4.0406e+00, 4.2001e+00],  
 [1.1757e+02, 2.2663e+00, 2.3170e+00],  
 [2.9056e+00, 5.5388e-04, 2.9109e-01],  
 [1.7217e-01, 1.6256e-05, 1.8938e-02],  
 [3.3333e+00, 6.3695e-03, 2.9387e-01],  
 [7.7741e+01, 2.3719e-01, 2.6480e+00],  
 [2.1979e+00, 1.0458e-04, 1.4654e-01],  
 [2.9591e-01, 3.0333e-05, 2.7700e-02],  
 [3.0199e+00, 3.7611e-03, 1.9763e-01],  
 [6.9809e+00, 9.9533e-03, 4.9723e-01],  
 [4.9940e-01, 1.8164e-05, 4.2790e-02],

[6.8683e+00, 4.4061e-03, 7.4763e-01],  
[2.1951e+02, 6.4186e+00, 3.8000e+00],  
[2.0452e+02, 5.1670e+00, 4.6768e+00],  
[4.3825e+01, 2.2630e-01, 9.5203e-01],  
[8.0928e+00, 1.1073e-02, 7.9689e-01],  
[6.6684e+01, 7.2974e-01, 2.0214e+00],  
[1.8925e+02, 2.1860e+00, 4.6107e+00],  
[1.3240e+02, 5.3655e+00, 3.3061e+00],  
[1.4648e+00, 6.9078e-04, 1.1272e-01],  
[3.9583e+01, 6.9065e-02, 1.6922e+00],  
[2.9165e+00, 5.7838e-04, 2.5594e-01],  
[2.1886e+01, 2.4951e-01, 1.9890e+00],  
[2.0310e+01, 4.1826e-02, 8.3874e-01],  
[1.1222e+02, 3.7852e-02, 2.4138e+00],  
[5.9948e+01, 1.3466e+00, 2.7722e+00],  
[5.4003e+01, 6.7778e-01, 1.5538e+00],  
[1.0241e+01, 6.4464e-03, 5.9849e-01],  
[2.5300e+00, 2.1182e-03, 1.8457e-01],  
[1.2444e+02, 5.2124e-01, 4.1253e+00],  
[2.6752e-01, 1.4458e-06, 2.6274e-02],  
[1.3569e+00, 2.7052e-04, 1.5405e-01],  
[1.5090e+02, 3.4506e+00, 3.7829e+00],  
[8.7256e+00, 1.2964e-02, 4.0683e-01],  
[1.8129e+01, 2.2427e-02, 8.9442e-01],  
[2.8880e+00, 1.3935e-03, 3.4880e-01],  
[5.0185e+01, 7.4313e-02, 1.0903e+00],  
[4.5957e+00, 6.6471e-03, 3.1286e-01],  
[9.6595e+00, 4.6852e-03, 7.6003e-01],  
[3.1397e+01, 3.0843e-03, 9.0186e-01],  
[1.1262e+01, 4.5030e-02, 7.6016e-01],  
[1.7066e+00, 4.6582e-04, 2.2090e-01],  
[7.7706e+01, 3.1890e-01, 3.1420e+00],  
[8.7542e+01, 6.6757e-01, 1.7894e+00],  
[8.8434e+01, 4.3980e-01, 3.6485e+00],  
[1.6923e+01, 8.2199e-02, 1.4381e+00],  
[1.6742e+00, 7.8925e-04, 1.4293e-01],  
[2.9482e-01, 4.4271e-05, 3.0050e-02],  
[1.3532e+01, 2.2399e-02, 5.6716e-01],  
[3.7808e+00, 5.4644e-03, 3.0855e-01],  
[1.0269e+01, 9.8226e-03, 5.5654e-01],  
[1.2008e+00, 4.6702e-04, 1.2498e-01],  
[6.2388e+00, 1.0974e-02, 3.6263e-01],  
[3.9860e+01, 1.0219e-01, 1.1926e+00],  
[6.0833e+01, 3.9550e-01, 1.8139e+00],  
[3.6605e-01, 2.2101e-04, 5.1409e-02],  
[2.0809e-01, 2.0165e-05, 2.1980e-02],  
[5.0803e+00, 3.9083e-03, 3.5001e-01],  
[9.0605e+00, 4.6694e-03, 3.8415e-01],

[4.3003e+01, 3.1051e-01, 1.9457e+00],  
[6.5800e+01, 5.2902e-01, 2.2385e+00],  
[1.7731e+00, 1.5120e-03, 2.0370e-01],  
[8.6392e+00, 5.9271e-03, 4.1059e-01],  
[8.5880e+00, 1.4441e-02, 1.0009e+00],  
[1.5688e+02, 4.2511e+00, 3.7554e+00],  
[1.4492e+01, 1.9894e-03, 4.5502e-01],  
[6.1430e+00, 9.2454e-03, 4.9382e-01],  
[2.9202e+01, 4.5970e-02, 2.2800e+00],  
[1.0567e+01, 5.1584e-02, 1.1119e+00],  
[2.8645e+01, 1.5559e-01, 1.6415e+00],  
[6.7484e-04, 2.4248e-10, 1.1027e-04],  
[8.8455e+01, 7.0279e-02, 2.4832e+00],  
[1.4420e+02, 2.7918e+00, 3.1195e+00],  
[1.4644e+02, 3.3003e+00, 3.6487e+00],  
[1.7206e+01, 8.0820e-02, 6.3751e-01],  
[4.4459e+01, 2.5530e-01, 2.4542e+00],  
[7.0077e-01, 1.8093e-04, 7.3829e-02],  
[4.7158e+01, 2.4954e-01, 2.8703e+00],  
[8.7028e+00, 9.0023e-03, 3.5111e-01],  
[8.2493e+01, 3.8893e-01, 3.3239e+00],  
[3.6839e-01, 5.0888e-06, 3.4572e-02],  
[1.1449e+01, 4.5127e-02, 4.9610e-01],  
[4.6457e+00, 5.2109e-03, 2.5127e-01],  
[5.6627e+01, 9.1858e-01, 1.7789e+00],  
[9.3462e+00, 2.2660e-02, 5.1196e-01],  
[2.1222e+01, 4.7667e-02, 8.7359e-01],  
[9.5048e-03, 7.6522e-09, 1.5079e-03],  
[7.9342e+00, 1.1130e-02, 8.1279e-01],  
[3.5421e+00, 3.1144e-03, 2.3459e-01],  
[1.6891e+00, 2.4554e-03, 1.9621e-01],  
[5.6477e+01, 6.1509e-01, 1.3708e+00],  
[1.5204e+00, 1.5013e-03, 1.4054e-01],  
[1.7393e+00, 2.1807e-04, 1.1795e-01],  
[8.2916e+01, 6.7140e-02, 3.4809e+00],  
[1.3372e+00, 4.4730e-04, 1.0075e-01],  
[1.1368e+01, 3.1992e-02, 9.8500e-01],  
[8.7912e-01, 1.0071e-04, 9.5842e-02],  
[1.9987e-01, 2.3922e-06, 2.1319e-02],  
[4.5207e-01, 2.1588e-04, 5.1177e-02],  
[7.1573e-01, 9.6927e-05, 4.8744e-02],  
[1.5724e+02, 2.2557e+00, 2.6562e+00],  
[4.7234e+00, 1.0388e-02, 3.2751e-01],  
[1.3670e+00, 5.5986e-05, 1.4896e-01],  
[2.2284e+01, 2.8083e-02, 1.2053e+00],  
[3.5491e+00, 3.1661e-04, 2.6067e-01],  
[4.4449e-01, 3.6640e-05, 4.5769e-02],  
[1.3982e+02, 1.9051e+00, 4.4061e+00],



[5.8103e+00, 2.8367e-03, 2.3461e-01],  
 [4.8419e+00, 6.8762e-03, 2.6537e-01],  
 [5.5156e+01, 2.3379e-01, 1.5216e+00],  
 [9.8076e+01, 8.9190e-01, 3.2357e+00],  
 [1.2607e+02, 1.4413e+00, 3.6296e+00],  
 [3.7999e+00, 2.1096e-03, 3.3374e-01],  
 [6.2949e+01, 3.7682e-01, 1.6196e+00],  
 [1.1150e+01, 1.6632e-02, 4.9211e-01],  
 [1.0266e+00, 4.2106e-04, 8.5831e-02],  
 [3.0340e+01, 4.9877e-02, 2.1230e+00],  
 [1.6697e+01, 9.6295e-03, 7.1459e-01],  
 [9.9953e-01, 6.7239e-04, 1.0511e-01],  
 [5.3877e+01, 3.3900e-01, 2.6377e+00],  
 [3.1830e+01, 1.4589e-02, 1.2870e+00],  
 [3.5451e+00, 3.3399e-03, 2.3511e-01],  
 [2.9939e+00, 1.3871e-04, 1.7476e-01],  
 [4.7059e-01, 8.8032e-05, 4.2576e-02],  
 [1.1315e-01, 2.2399e-06, 1.3719e-02],  
 [2.2402e+01, 7.8485e-02, 1.6418e+00],  
 [1.0651e-01, 4.0726e-07, 1.3887e-02],  
 [4.2653e-01, 7.4014e-05, 3.4500e-02],  
 [7.2572e+00, 4.6396e-02, 5.7328e-01],  
 [2.8025e-01, 4.8008e-06, 3.3321e-02],  
 [6.3573e-02, 1.5654e-06, 9.0770e-03],  
 [1.9815e+01, 2.1593e-02, 1.1619e+00],  
 [6.4081e-02, 2.1548e-06, 8.4308e-03],  
 [7.5586e+01, 2.7278e-01, 2.2085e+00],  
 [1.7032e-01, 4.2450e-06, 2.2796e-02],  
 [5.7873e-02, 2.9617e-06, 8.3311e-03],  
 [1.6540e-02, 2.2262e-07, 2.4478e-03],  
 [1.4234e+02, 2.1188e+00, 4.2600e+00],  
 [6.0711e+01, 8.2073e-01, 1.5193e+00],  
 [1.8439e+02, 3.4819e+00, 4.3593e+00],  
 [1.2268e+00, 1.5757e-04, 1.0706e-01],  
 [6.8170e+00, 1.0230e-02, 2.9594e-01],  
 [7.7631e-03, 8.2068e-08, 1.2250e-03],  
 [7.6590e-01, 5.8458e-05, 6.7500e-02],  
 [1.0627e+00, 8.6850e-04, 1.1350e-01],  
 [2.6633e-01, 6.1020e-06, 3.3639e-02],  
 [1.1556e+02, 3.4736e+00, 3.1242e+00],  
 [3.3529e-02, 1.3462e-07, 4.6505e-03],  
 [3.4282e+01, 4.8272e-02, 2.3372e+00],  
 [6.3132e+00, 3.8180e-03, 4.9674e-01],  
 [3.0356e-01, 3.7827e-05, 3.3132e-02],  
 [2.5825e+01, 2.7597e-02, 1.7733e+00],  
 [7.2689e-01, 4.8104e-05, 5.7599e-02],  
 [3.2763e+01, 2.8167e-01, 1.4322e+00],  
 [3.1154e-02, 1.8293e-06, 4.7194e-03],

```

[6.4480e+01, 3.6176e-01, 2.0463e+00],
[4.7448e+01, 6.1054e-02, 1.9988e+00],
[3.2224e-03, 6.3048e-09, 5.1520e-04],
[5.7166e-01, 4.0586e-05, 3.9430e-02],
[1.9332e-01, 2.7421e-05, 2.1747e-02],
[9.5957e+01, 1.3176e+00, 3.2388e+00],
[1.2257e+02, 2.6675e-01, 3.5647e+00],
[3.1384e+01, 2.0753e-01, 1.1059e+00],
[2.1487e+01, 1.1529e-01, 8.6161e-01],
[2.3448e+01, 1.3898e-01, 7.2853e-01],
[2.9270e+01, 1.2310e-01, 9.1756e-01],
[2.3250e+00, 3.1470e-03, 1.8753e-01],
[2.8876e+01, 3.2453e-01, 2.1621e+00],
[1.5923e-02, 1.6861e-07, 2.5362e-03],
[2.8627e+01, 2.6251e-01, 9.6151e-01],
[2.9679e+01, 9.5121e-03, 1.3178e+00],
[1.1586e+00, 5.3746e-04, 1.1207e-01],
[2.7922e+01, 2.9434e-01, 1.5607e+00],
[1.3667e+00, 9.7209e-04, 1.2333e-01],
[2.7646e+01, 1.8419e-01, 1.1841e+00],
[6.9041e-01, 3.2215e-04, 7.3458e-02],
[6.2182e+00, 1.6253e-02, 3.6713e-01],
[9.4398e+00, 1.5956e-02, 4.3671e-01],
[5.1508e-01, 1.0425e-04, 5.0973e-02],
[5.6948e-02, 2.4351e-07, 7.9499e-03],
[3.5995e+00, 2.6575e-03, 1.9344e-01],
[7.3987e+01, 1.3066e+00, 2.3069e+00],
[1.2427e+01, 3.4278e-02, 5.7507e-01]], dtype=torch.float64)
Iteration: 12
Inputs: tensor([[2.2436e+18, 4.0093e+02, 1.3675e+01, 4.9158e+00],
[1.2140e+20, 7.1544e+01, 2.7149e+00, 6.1324e+00],
[5.7824e+18, 2.3837e+02, 1.2758e+01, 9.7713e+00],
...,
[1.2158e+20, 4.1873e+02, 1.8546e+01, 5.2011e+00],
[1.1140e+19, 4.9011e+02, 9.9310e+00, 6.3359e+00],
[1.3068e+18, 4.9639e+02, 1.0374e+01, 3.8472e+00]]), dtype=torch.float64)
Target: tensor([[3.2419e-01, 2.7606e-05, 3.3160e-02],
[2.0192e+01, 4.8430e-02, 1.1692e+00],
[1.2858e+00, 8.2452e-04, 1.0793e-01],
[4.1526e-02, 7.7680e-08, 5.7322e-03],
[4.2465e+00, 3.6451e-03, 2.7236e-01],
[2.2634e+01, 4.5743e-02, 1.3924e+00],
[5.0045e+00, 2.7864e-03, 3.8983e-01],
[2.3093e-02, 7.0003e-07, 3.2841e-03],
[1.4393e+02, 6.8198e-01, 3.3966e+00],
[1.8796e+01, 6.2435e-02, 6.1992e-01],
[1.6771e+00, 3.2975e-04, 1.5094e-01],
[1.3297e+00, 4.7674e-04, 1.5587e-01],

```

[1.3399e+00, 5.9181e-04, 9.7808e-02],  
 [5.6940e-02, 4.9459e-07, 7.7963e-03],  
 [8.1519e+00, 1.2977e-02, 6.6062e-01],  
 [3.4773e+01, 3.3387e-01, 2.4592e+00],  
 [3.4398e+01, 2.6437e-01, 1.1285e+00],  
 [3.3430e+01, 4.9641e-01, 2.4961e+00],  
 [7.0064e+01, 2.2977e-01, 2.6983e+00],  
 [1.6024e+00, 6.1345e-04, 1.5950e-01],  
 [3.8153e+01, 9.8111e-02, 9.7906e-01],  
 [5.3304e+01, 5.3773e-01, 1.8518e+00],  
 [5.1745e+00, 5.1224e-03, 3.2849e-01],  
 [1.8413e+02, 2.8619e+00, 3.4717e+00],  
 [8.7234e-03, 2.2640e-08, 1.3548e-03],  
 [1.1528e+01, 3.3422e-02, 6.7920e-01],  
 [1.0175e+01, 8.8109e-04, 6.4189e-01],  
 [6.5155e+00, 1.1090e-02, 5.0308e-01],  
 [1.9602e+00, 1.2012e-03, 1.4887e-01],  
 [5.2581e+01, 6.2937e-01, 2.0374e+00],  
 [3.4390e-02, 5.1746e-07, 5.1652e-03],  
 [4.6732e+00, 4.6197e-03, 3.5680e-01],  
 [3.0154e+02, 6.6148e+00, 5.1238e+00],  
 [3.7909e-01, 3.2977e-05, 4.3203e-02],  
 [1.2213e+01, 4.1986e-02, 1.1380e+00],  
 [5.6054e+01, 1.5754e-01, 2.1758e+00],  
 [2.1096e+02, 7.3413e-01, 3.4329e+00],  
 [2.1194e+01, 1.3534e-01, 7.1151e-01],  
 [6.2448e+01, 3.3703e-01, 2.4794e+00],  
 [5.8020e+00, 8.9357e-03, 5.5372e-01],  
 [1.0297e+02, 1.5679e+00, 2.7678e+00],  
 [1.8386e+02, 7.8497e-01, 4.5664e+00],  
 [4.1019e+00, 5.9079e-03, 2.9893e-01],  
 [3.3688e+01, 2.3280e-01, 1.6234e+00],  
 [4.6140e+00, 1.0580e-02, 3.6521e-01],  
 [5.7137e-01, 1.6539e-04, 5.4934e-02],  
 [1.3703e-01, 5.4778e-06, 1.8109e-02],  
 [9.7528e+00, 2.6353e-02, 4.7550e-01],  
 [1.9845e-01, 1.0247e-05, 3.0243e-02],  
 [3.9440e+01, 1.2227e-01, 1.3042e+00],  
 [8.1237e-01, 1.6680e-04, 6.0561e-02],  
 [3.4028e-01, 2.4482e-05, 3.3877e-02],  
 [1.4144e-02, 1.2303e-07, 2.1245e-03],  
 [1.9566e+01, 4.1665e-02, 6.6066e-01],  
 [3.3932e-01, 4.2990e-05, 5.2111e-02],  
 [1.4047e+02, 5.4421e-01, 2.4132e+00],  
 [4.5697e-03, 5.0392e-09, 7.1610e-04],  
 [5.4666e-02, 1.2515e-06, 7.1943e-03],  
 [1.1572e+00, 1.5275e-04, 7.0907e-02],  
 [1.2450e+00, 4.2919e-04, 1.1686e-01],

[2.3031e+01, 1.0934e-01, 8.3143e-01],  
 [2.2738e-01, 2.2485e-06, 2.9982e-02],  
 [1.6945e-01, 1.2606e-05, 1.7789e-02],  
 [4.2309e+01, 2.3277e-01, 1.0106e+00],  
 [1.6865e-01, 4.6959e-06, 2.4828e-02],  
 [4.5454e+01, 2.8082e-02, 2.1210e+00],  
 [4.0736e-01, 4.1009e-06, 4.0997e-02],  
 [7.3441e+01, 1.3057e+00, 3.2695e+00],  
 [4.9751e+01, 8.3151e-01, 2.2590e+00],  
 [2.3248e+02, 3.5045e+00, 3.6543e+00],  
 [3.1590e+00, 3.9678e-03, 4.1462e-01],  
 [2.0942e+01, 3.5354e-02, 1.3174e+00],  
 [8.0965e+00, 1.2145e-03, 4.1003e-01],  
 [5.1715e+00, 2.7409e-03, 2.9643e-01],  
 [5.2786e+01, 1.3819e-01, 1.0476e+00],  
 [2.0564e+00, 2.0114e-03, 1.6515e-01],  
 [2.2753e+00, 7.8320e-04, 1.5596e-01],  
 [7.2926e+01, 2.2527e+00, 3.5839e+00],  
 [2.2639e+01, 5.8084e-02, 8.8997e-01],  
 [1.2353e+00, 4.4558e-04, 8.7662e-02],  
 [1.1251e+00, 3.9256e-05, 6.7926e-02],  
 [8.8267e-01, 9.5266e-05, 6.6326e-02],  
 [1.5577e-01, 1.2668e-05, 2.3587e-02],  
 [4.0040e+00, 1.0777e-03, 3.4446e-01],  
 [1.8123e+02, 4.2274e+00, 4.0030e+00],  
 [1.6874e+00, 1.3362e-03, 1.3225e-01],  
 [3.6952e+00, 3.6248e-04, 3.3987e-01],  
 [1.7676e+00, 8.4783e-04, 1.2300e-01],  
 [5.3194e-01, 3.4712e-05, 4.9366e-02],  
 [1.1633e-03, 4.3124e-10, 1.8892e-04],  
 [9.9593e-01, 3.6398e-04, 8.1326e-02],  
 [3.6992e-03, 7.1193e-09, 5.9287e-04],  
 [5.7725e+00, 7.7527e-03, 3.9276e-01],  
 [5.4695e+00, 5.5046e-03, 3.1265e-01],  
 [3.5555e+01, 1.2420e-01, 1.1372e+00],  
 [1.1975e+01, 2.1276e-02, 4.5151e-01],  
 [1.1427e-01, 2.2289e-06, 1.2783e-02],  
 [5.0368e+01, 4.1366e-01, 2.1674e+00],  
 [1.5342e+01, 3.1344e-02, 5.6057e-01],  
 [2.8484e-01, 1.3571e-05, 2.8891e-02],  
 [8.8505e-02, 2.6723e-06, 1.0731e-02],  
 [9.5015e-01, 1.7314e-04, 9.2413e-02],  
 [6.3394e-01, 2.5040e-04, 5.9641e-02],  
 [2.1268e-01, 1.2843e-05, 2.4020e-02],  
 [5.4058e+00, 2.7022e-03, 4.4038e-01],  
 [2.5394e+01, 6.0661e-02, 8.0658e-01],  
 [1.4035e+00, 8.5545e-04, 1.1833e-01],  
 [4.3938e+01, 1.3267e-01, 1.3561e+00],

[3.0681e+01, 2.5129e-01, 1.2583e+00],  
 [4.6973e+01, 3.3624e-02, 2.7271e+00],  
 [1.4178e+00, 6.9875e-04, 1.2182e-01],  
 [7.0904e+00, 4.7663e-03, 5.9248e-01],  
 [6.9165e+01, 8.5402e-01, 2.5870e+00],  
 [1.4837e+01, 1.5734e-02, 1.0974e+00],  
 [3.1888e-01, 4.6517e-06, 3.8106e-02],  
 [1.0560e+00, 5.1032e-04, 1.3196e-01],  
 [6.9268e+00, 2.6027e-02, 5.0155e-01],  
 [1.8830e-01, 3.6219e-06, 2.2705e-02],  
 [2.1031e+00, 3.5455e-04, 1.2192e-01],  
 [2.1454e+01, 2.7189e-02, 1.1469e+00],  
 [3.1675e+01, 2.5669e-02, 6.9389e-01],  
 [6.4386e+00, 4.8817e-03, 2.4642e-01],  
 [6.4397e+00, 5.8111e-03, 4.0014e-01],  
 [2.5533e-01, 3.5473e-05, 2.3977e-02],  
 [2.5156e+01, 1.7213e-01, 2.1454e+00],  
 [1.7734e+02, 4.4328e-01, 2.7889e+00],  
 [2.5096e+00, 4.9689e-04, 1.8387e-01],  
 [8.5741e+01, 1.3587e+00, 1.8808e+00],  
 [3.8337e+01, 2.2380e-01, 1.1786e+00],  
 [4.1771e-01, 4.1448e-06, 3.9684e-02],  
 [2.1624e-02, 3.1896e-07, 3.1312e-03],  
 [5.9425e-01, 1.0588e-04, 7.9915e-02],  
 [1.2448e+02, 6.5449e-01, 2.7861e+00],  
 [2.6736e+01, 1.2835e-01, 1.1305e+00],  
 [4.4476e+00, 2.7909e-03, 2.3682e-01],  
 [1.8712e-03, 8.7147e-10, 2.9889e-04],  
 [9.2742e+01, 1.9474e-01, 2.6458e+00],  
 [2.2317e-01, 3.1326e-05, 2.6295e-02],  
 [5.5361e+01, 2.4071e-01, 1.1891e+00],  
 [1.5900e-02, 1.5713e-07, 2.3589e-03],  
 [3.5006e+00, 3.7151e-03, 2.7852e-01],  
 [5.6998e+01, 7.0334e-01, 2.9877e+00],  
 [1.9625e+02, 1.6832e+00, 3.9736e+00],  
 [5.8818e+01, 5.2845e-01, 1.4776e+00],  
 [9.7588e+00, 2.5011e-02, 8.3751e-01],  
 [4.2700e+01, 3.1842e-01, 2.2389e+00],  
 [2.0344e-03, 7.1436e-10, 3.2438e-04],  
 [7.5612e-01, 4.4634e-05, 6.4976e-02],  
 [4.8708e+00, 4.5019e-03, 2.3768e-01],  
 [9.5672e-01, 2.1342e-04, 7.1840e-02],  
 [2.7065e-01, 5.5512e-05, 2.9411e-02],  
 [1.4625e+01, 2.2760e-02, 4.4208e-01],  
 [7.7749e+01, 8.8114e-01, 3.4597e+00],  
 [6.2334e+00, 4.8250e-03, 7.6303e-01],  
 [1.4030e+02, 1.8282e+00, 3.4646e+00],  
 [4.0349e+01, 4.5332e-02, 1.4814e+00],

[1.4630e+01, 3.2235e-02, 9.3917e-01],  
 [1.7790e+00, 9.1941e-04, 1.2437e-01],  
 [1.2501e+02, 4.8797e+00, 4.3213e+00],  
 [2.1394e+00, 4.3849e-04, 1.6387e-01],  
 [1.6341e+01, 8.5046e-02, 6.9149e-01],  
 [9.1594e-02, 2.5993e-07, 1.1774e-02],  
 [1.6821e+02, 1.0159e-01, 3.5492e+00],  
 [1.4008e+01, 1.0427e-01, 1.4567e+00],  
 [1.5348e-02, 1.8069e-07, 2.2422e-03],  
 [3.8517e+01, 3.4237e-01, 1.2309e+00],  
 [9.6977e-02, 1.3813e-05, 1.3786e-02],  
 [1.4599e-01, 8.7366e-06, 1.7245e-02],  
 [1.3928e+01, 4.6649e-02, 9.0207e-01],  
 [9.5084e-03, 3.7452e-08, 1.5256e-03],  
 [3.6271e-01, 1.4991e-05, 3.9024e-02],  
 [6.1783e+01, 7.4532e-01, 1.8910e+00],  
 [7.0961e-01, 5.9130e-05, 4.3329e-02],  
 [2.9223e+01, 2.9229e-01, 1.4447e+00],  
 [2.1755e+00, 3.7924e-04, 2.1093e-01],  
 [1.0266e-01, 1.3893e-06, 1.3598e-02],  
 [1.2354e+00, 8.5522e-04, 1.1717e-01],  
 [7.2848e-03, 1.0240e-08, 1.1593e-03],  
 [2.2403e+00, 6.9234e-04, 1.9421e-01],  
 [1.2406e+01, 3.1616e-02, 1.1833e+00],  
 [4.7771e-01, 9.4057e-05, 5.0541e-02],  
 [9.2482e-01, 4.7765e-05, 7.4306e-02],  
 [8.9085e+01, 9.8179e-01, 1.7293e+00],  
 [3.2326e-02, 5.4685e-07, 4.9054e-03],  
 [9.8533e-02, 3.6015e-06, 1.3630e-02],  
 [1.0830e+02, 1.5789e+00, 2.2421e+00],  
 [1.0108e+01, 1.9819e-02, 6.9622e-01],  
 [9.3264e+00, 1.9027e-03, 3.5302e-01],  
 [1.1015e+02, 5.3082e-01, 3.1099e+00],  
 [2.7754e+00, 2.5937e-03, 1.9489e-01],  
 [1.7417e+02, 3.4609e+00, 3.0309e+00],  
 [8.9075e+01, 2.0200e-01, 2.6188e+00],  
 [1.4519e+01, 4.7644e-02, 6.9117e-01],  
 [2.3893e-02, 9.7715e-08, 3.6805e-03],  
 [1.1862e+00, 3.5176e-04, 1.3332e-01],  
 [3.7751e+01, 5.6084e-01, 2.2086e+00],  
 [2.0802e-03, 5.1657e-09, 3.2983e-04],  
 [2.1345e+01, 9.3276e-02, 8.3671e-01],  
 [1.3964e+01, 1.0893e-03, 5.7231e-01],  
 [1.2232e+01, 2.4484e-02, 7.4666e-01],  
 [1.1094e+02, 2.4380e-01, 2.7501e+00],  
 [1.7694e+02, 2.3955e+00, 4.6578e+00],  
 [7.6737e+00, 7.0481e-03, 2.9663e-01],  
 [6.8386e+01, 5.5697e-01, 1.8465e+00],

[6.5918e-01, 1.6926e-04, 5.7131e-02],  
[1.1187e-01, 7.7971e-06, 1.3946e-02],  
[9.9372e+01, 6.3629e-01, 4.0663e+00],  
[3.3994e+00, 1.1408e-03, 1.7085e-01],  
[5.0889e+00, 6.7661e-03, 2.8464e-01],  
[2.0793e-02, 1.0336e-07, 2.9444e-03],  
[1.1192e+01, 5.0482e-02, 8.8066e-01],  
[4.4843e-01, 3.4593e-05, 4.1248e-02],  
[4.0024e-02, 8.0141e-07, 6.0485e-03],  
[3.6897e-01, 1.6956e-05, 3.9560e-02],  
[5.6737e-02, 2.5212e-06, 8.5440e-03],  
[2.3647e+01, 1.7379e-01, 1.0137e+00],  
[4.3743e-01, 5.3858e-05, 4.1475e-02],  
[1.0575e+02, 1.7685e+00, 3.3540e+00],  
[9.6984e+01, 3.6914e-01, 2.0056e+00],  
[9.9286e+01, 2.0747e-01, 1.6720e+00],  
[3.7059e+01, 5.9061e-02, 1.6682e+00],  
[4.3579e+00, 4.9741e-03, 3.3233e-01],  
[4.7705e-01, 9.5885e-06, 5.1059e-02],  
[8.0174e+01, 1.9352e+00, 2.4062e+00],  
[4.4145e+00, 2.0524e-03, 2.1362e-01],  
[2.5485e-02, 2.9301e-07, 3.5880e-03],  
[3.7867e-01, 4.6378e-05, 3.8154e-02],  
[1.3715e+00, 2.3055e-04, 1.7823e-01],  
[1.6299e+01, 2.6841e-02, 1.1606e+00],  
[9.7641e-02, 1.2664e-06, 1.2749e-02],  
[2.6858e+00, 2.6932e-04, 1.2372e-01],  
[2.3603e+01, 1.5874e-01, 7.6417e-01],  
[4.6042e-01, 9.6220e-06, 4.5194e-02],  
[8.7169e+01, 4.6602e-01, 3.9945e+00],  
[4.7566e+01, 1.1709e-01, 1.4619e+00],  
[1.1119e+02, 2.2393e-01, 2.8096e+00],  
[6.5253e+01, 5.3078e-01, 2.5824e+00],  
[1.0367e+00, 5.2645e-05, 8.6038e-02],  
[1.2619e+01, 1.8041e-02, 4.4691e-01],  
[8.2895e+01, 1.1039e+00, 3.2800e+00],  
[1.2442e+02, 1.6372e+00, 2.1195e+00],  
[1.3722e+02, 3.2049e+00, 4.4859e+00],  
[1.0415e+02, 1.8748e+00, 2.1090e+00],  
[7.9675e+01, 8.1673e-01, 1.6368e+00],  
[3.2982e-02, 1.3966e-06, 4.8007e-03],  
[2.9201e+01, 1.2584e-01, 8.2539e-01],  
[6.0523e+01, 1.0299e+00, 1.9775e+00],  
[7.0317e+01, 7.7576e-01, 2.7278e+00],  
[3.3665e+02, 9.8403e+00, 4.8394e+00],  
[7.3055e+01, 1.1545e+00, 2.0969e+00],  
[8.3395e-01, 3.3451e-04, 1.0298e-01],  
[1.7994e-01, 5.3324e-06, 2.5780e-02],

[2.6938e-02, 2.9197e-07, 3.9065e-03],  
[7.5169e+01, 7.3129e-01, 1.8297e+00],  
[1.5094e+00, 5.7665e-04, 1.3313e-01],  
[7.6660e+01, 5.8767e-02, 1.9696e+00],  
[3.1202e-02, 1.6288e-07, 4.7239e-03],  
[7.3404e-01, 2.0658e-04, 8.4796e-02],  
[4.8950e-01, 2.1456e-05, 5.1656e-02],  
[1.8464e-03, 5.2606e-10, 2.9558e-04],  
[1.3368e+01, 8.0384e-03, 4.9059e-01],  
[2.1844e+02, 9.9219e+00, 4.7308e+00],  
[1.9731e+02, 1.6020e-01, 4.7525e+00],  
[2.2538e+00, 6.2651e-04, 1.8496e-01],  
[1.0142e+00, 1.0661e-04, 1.0486e-01],  
[3.5052e+01, 2.0904e-01, 1.4842e+00],  
[1.2410e+01, 7.3850e-02, 7.9682e-01],  
[6.5171e+00, 4.2422e-03, 5.2978e-01],  
[3.0005e+02, 7.8588e+00, 4.4562e+00],  
[2.5556e+01, 1.8062e-01, 1.1105e+00],  
[8.5678e+01, 3.1665e-01, 2.5939e+00],  
[8.6058e+01, 1.3585e+00, 2.1958e+00],  
[2.1732e-01, 1.7486e-05, 2.6451e-02],  
[1.8026e+01, 8.2008e-02, 7.8247e-01],  
[7.7628e-01, 4.7341e-04, 8.8870e-02],  
[8.4408e+01, 9.6908e-01, 2.4446e+00],  
[1.3814e+00, 2.1234e-05, 9.4660e-02],  
[7.4324e+01, 2.7376e-01, 3.6155e+00],  
[1.5184e+01, 8.0949e-02, 5.9750e-01],  
[2.4546e+00, 7.6539e-04, 2.6897e-01],  
[1.4985e+00, 3.4200e-04, 1.6395e-01],  
[2.7719e+01, 1.1867e-01, 9.4854e-01],  
[4.3861e+01, 5.3168e-01, 1.2881e+00],  
[6.6535e+01, 9.2958e-01, 1.8610e+00],  
[1.6547e+02, 4.8842e+00, 3.5854e+00],  
[2.0079e-01, 7.4644e-06, 2.1013e-02],  
[2.3707e-01, 6.9108e-06, 2.4208e-02],  
[6.3933e+01, 9.8253e-01, 3.1105e+00],  
[1.4899e+01, 1.3102e-02, 7.9757e-01],  
[1.2718e+01, 2.8397e-02, 5.0872e-01],  
[2.9559e+00, 2.0696e-03, 2.6104e-01],  
[2.6013e+01, 8.5784e-02, 9.6440e-01],  
[4.9099e+00, 5.5193e-03, 2.5112e-01],  
[5.2359e+01, 4.8751e-01, 2.5277e+00],  
[2.8105e+00, 9.2041e-04, 1.9977e-01],  
[4.7158e+00, 1.1124e-02, 3.4885e-01],  
[6.5409e-01, 3.3957e-05, 4.2231e-02],  
[1.5751e+01, 6.8571e-02, 6.3084e-01],  
[4.2044e-01, 1.6172e-05, 4.6180e-02],  
[3.8063e+00, 9.3510e-04, 2.0358e-01],



```

[2.3642e+01, 3.6164e-01, 1.8073e+00],
[3.4327e+00, 4.1059e-04, 2.3297e-01],
[5.4739e+00, 1.1158e-02, 3.6112e-01],
[1.2409e-02, 9.6918e-08, 1.8468e-03],
[7.8306e+01, 2.2784e-01, 1.9299e+00],
[9.9559e+01, 1.1204e+00, 2.2082e+00],
[6.6560e+00, 1.0963e-03, 7.4699e-01],
[2.4457e+01, 4.7264e-02, 1.3544e+00],
[1.7540e+01, 7.6597e-02, 1.0457e+00],
[5.8213e+01, 1.3160e+00, 2.6324e+00],
[8.4559e+01, 2.0746e-01, 1.6613e+00],
[4.7505e+01, 4.3328e-01, 1.4802e+00],
[1.5913e+00, 5.8557e-04, 1.3381e-01],
[1.2767e+02, 1.0563e+00, 2.9510e+00],
[5.8840e+00, 3.4867e-03, 3.7606e-01],
[1.2129e-01, 1.7093e-06, 1.7595e-02],
[7.4345e+00, 2.0505e-02, 5.8745e-01],
[3.7457e+01, 2.5809e-01, 1.4450e+00],
[6.2785e+00, 5.2879e-03, 2.9865e-01],
[2.0280e-01, 6.4715e-06, 2.0730e-02]], dtype=torch.float64)
Iteration: 13
Inputs: tensor([[8.7199e+19, 4.7934e+02, 1.6320e+01, 4.2410e+00],
[1.2539e+19, 3.8252e+02, 5.8286e+00, 2.9528e+00],
[1.3334e+18, 3.7195e+02, 7.1944e+00, 9.5456e+00],
...,
[8.4513e+19, 3.2751e+02, 1.8730e+01, 5.1348e+00],
[2.1132e+19, 1.1283e+02, 1.6392e+01, 6.3680e+00],
[4.9245e+20, 4.9219e+02, 1.5519e+01, 3.5119e+00]], dtype=torch.float64)
Target: tensor([[3.1104e+01, 1.2828e-01, 1.1963e+00],
[4.8723e+00, 9.9257e-04, 2.8484e-01],
[4.0352e-01, 5.4291e-05, 3.3140e-02],
[5.3708e-01, 1.0698e-04, 4.6840e-02],
[1.0721e+01, 1.0129e-01, 1.0109e+00],
[3.2938e+01, 5.0440e-01, 2.4800e+00],
[1.2296e-01, 2.2738e-06, 1.5515e-02],
[1.8461e+01, 1.4894e-01, 9.7301e-01],
[4.4257e+01, 6.3944e-02, 2.3803e+00],
[1.1740e+02, 1.9220e+00, 3.6362e+00],
[3.9264e+01, 1.1205e-01, 1.4258e+00],
[3.4437e+02, 4.7926e+00, 5.0732e+00],
[1.0576e-01, 1.6654e-06, 1.5099e-02],
[2.1181e+01, 8.1393e-02, 7.3732e-01],
[1.0863e-01, 7.6482e-06, 1.2954e-02],
[3.9826e+01, 2.5065e-01, 1.5835e+00],
[7.4682e-02, 1.1838e-06, 1.0465e-02],
[7.8877e-01, 3.5674e-04, 8.7292e-02],
[1.8697e+00, 5.7725e-04, 9.9054e-02],
[5.7945e+01, 5.0029e-01, 1.2628e+00],

```

[9.1627e+00, 1.8085e-02, 4.0104e-01],  
[2.1095e+01, 4.5972e-02, 6.1999e-01],  
[1.4743e-01, 2.4678e-05, 2.1319e-02],  
[1.3665e+02, 2.6772e+00, 3.1384e+00],  
[8.9615e+01, 7.1849e-01, 3.4101e+00],  
[1.0875e+02, 2.9891e+00, 2.7402e+00],  
[1.1967e+01, 1.1176e-02, 8.8834e-01],  
[4.6284e+01, 1.2295e-01, 2.5975e+00],  
[1.8362e-01, 1.7687e-05, 1.9333e-02],  
[2.5454e+00, 2.1422e-04, 2.2717e-01],  
[1.4821e+01, 7.7200e-02, 6.2282e-01],  
[2.3855e-01, 2.4754e-05, 2.8544e-02],  
[2.6794e+01, 1.2044e-01, 1.5483e+00],  
[8.2162e+01, 3.1534e-01, 3.2097e+00],  
[1.5851e-03, 5.0853e-10, 2.5305e-04],  
[4.8157e-01, 2.4748e-05, 4.2651e-02],  
[9.7059e+00, 5.1907e-02, 7.4458e-01],  
[3.5249e-02, 1.9306e-06, 5.4304e-03],  
[9.8969e+01, 8.5987e-01, 2.2718e+00],  
[1.6458e+00, 8.2563e-04, 1.5805e-01],  
[2.1780e+01, 4.3763e-02, 1.2075e+00],  
[2.7957e+00, 3.3319e-03, 1.8187e-01],  
[1.2110e+00, 6.1578e-04, 1.1110e-01],  
[6.8001e+00, 1.1862e-02, 3.5634e-01],  
[2.3888e-01, 4.5359e-05, 2.4600e-02],  
[1.5888e+02, 3.2049e-01, 3.8195e+00],  
[5.0934e+01, 4.7275e-01, 1.6041e+00],  
[4.4429e-01, 2.8159e-05, 3.8324e-02],  
[7.4383e-01, 1.7752e-04, 5.9203e-02],  
[3.4100e+01, 2.7398e-01, 2.5445e+00],  
[2.6202e+00, 9.2048e-04, 2.5160e-01],  
[9.2112e-02, 4.0532e-06, 1.3128e-02],  
[2.1615e-01, 2.3954e-05, 2.4413e-02],  
[1.0182e+02, 1.0826e+00, 2.3073e+00],  
[1.4099e+01, 5.0184e-03, 5.2329e-01],  
[2.2614e+01, 2.8925e-02, 6.3281e-01],  
[1.0502e+01, 1.2509e-02, 4.6422e-01],  
[4.7384e-01, 1.7997e-04, 5.8212e-02],  
[5.6324e+01, 2.5890e-01, 2.2951e+00],  
[4.0137e+00, 7.4034e-03, 2.5638e-01],  
[8.0952e-04, 1.8502e-10, 1.3144e-04],  
[5.8821e-01, 5.3893e-05, 3.5982e-02],  
[4.2627e-02, 1.0887e-06, 6.2437e-03],  
[3.1610e-02, 3.9819e-07, 4.3808e-03],  
[5.5291e+01, 8.3614e-02, 1.7919e+00],  
[2.4791e-02, 1.2089e-07, 3.6996e-03],  
[2.2291e-01, 3.9114e-05, 2.3670e-02],  
[1.0144e+02, 1.6726e-01, 4.3329e+00],

[2.4134e+01, 4.8707e-02, 1.7301e+00],  
[1.3127e-01, 1.7607e-06, 1.8487e-02],  
[1.4059e+01, 1.7797e-03, 4.3166e-01],  
[5.1470e+01, 8.2037e-01, 3.0891e+00],  
[9.9433e-03, 6.1092e-08, 1.4895e-03],  
[7.2910e+01, 5.4183e-02, 2.3700e+00],  
[6.8796e-02, 2.2449e-06, 1.0308e-02],  
[8.4287e+01, 3.3812e-01, 2.1376e+00],  
[7.5242e+01, 1.9092e-01, 2.8657e+00],  
[1.8887e-01, 1.5663e-05, 2.5909e-02],  
[1.0132e-01, 2.6104e-06, 1.2486e-02],  
[3.4199e+00, 3.2997e-04, 1.9751e-01],  
[2.4327e+01, 1.3651e-01, 9.8030e-01],  
[3.4903e-01, 5.2954e-05, 4.0963e-02],  
[5.5453e+01, 8.7694e-01, 2.0546e+00],  
[3.2399e-01, 6.7974e-05, 3.5349e-02],  
[7.3468e+00, 1.1506e-02, 4.5101e-01],  
[4.6740e+00, 5.1336e-03, 3.1651e-01],  
[2.6657e+01, 2.8174e-02, 8.9285e-01],  
[3.7125e+01, 3.6301e-01, 1.5721e+00],  
[9.3504e-01, 2.4944e-04, 6.5384e-02],  
[2.0751e-01, 9.8530e-06, 1.9890e-02],  
[1.2601e+02, 3.9820e+00, 2.7903e+00],  
[2.8203e+01, 1.0596e-01, 1.4882e+00],  
[3.1109e+00, 2.6074e-03, 1.7747e-01],  
[2.2268e+02, 3.0439e+00, 4.2366e+00],  
[1.2484e+02, 4.5434e+00, 3.9172e+00],  
[1.2208e-02, 1.3488e-07, 1.8251e-03],  
[7.4333e-02, 1.2300e-06, 9.4867e-03],  
[1.3649e+02, 6.7481e-01, 3.9549e+00],  
[4.8933e-01, 1.4803e-04, 6.5703e-02],  
[1.2853e+02, 4.7002e+00, 3.2674e+00],  
[1.6758e+01, 7.5043e-02, 1.0163e+00],  
[1.7612e+00, 2.7613e-04, 1.0926e-01],  
[3.9483e-01, 1.1335e-05, 4.0726e-02],  
[7.6904e+00, 3.0699e-03, 8.4640e-01],  
[6.7189e+01, 4.2867e-01, 2.4936e+00],  
[3.2517e+01, 5.5832e-02, 2.3207e+00],  
[7.7012e-01, 1.4452e-04, 7.3057e-02],  
[1.2613e+00, 3.2891e-04, 9.8953e-02],  
[2.8190e+01, 5.2870e-02, 8.8346e-01],  
[7.8566e+01, 2.6899e-01, 1.4243e+00],  
[1.9051e+01, 2.4090e-02, 1.4016e+00],  
[7.5193e+00, 4.6622e-03, 3.2970e-01],  
[1.3141e+00, 2.4252e-04, 1.2318e-01],  
[5.6313e-01, 5.4822e-05, 5.4700e-02],  
[9.6408e-03, 9.6986e-08, 1.5009e-03],  
[3.5633e+00, 1.1605e-03, 2.4956e-01],

[3.8686e+01, 1.1912e-01, 1.5117e+00],  
 [1.3615e+00, 3.7533e-04, 1.1422e-01],  
 [4.3460e-01, 4.2564e-05, 5.0314e-02],  
 [5.9094e+01, 5.3654e-01, 1.9786e+00],  
 [5.0193e+01, 6.0076e-01, 1.4111e+00],  
 [6.9960e+00, 3.9461e-03, 3.7857e-01],  
 [9.4472e+01, 6.6181e-01, 3.3331e+00],  
 [5.4441e+01, 2.2939e-01, 2.1800e+00],  
 [7.4666e-02, 4.2403e-07, 9.9987e-03],  
 [1.8603e-01, 1.4233e-05, 2.2006e-02],  
 [2.4263e-01, 7.3983e-06, 3.3729e-02],  
 [8.2616e+01, 2.0667e-01, 3.9811e+00],  
 [2.8789e+01, 4.2646e-02, 9.9273e-01],  
 [3.5554e+00, 1.0219e-03, 1.5078e-01],  
 [3.1837e+00, 3.4926e-03, 2.5173e-01],  
 [6.1259e-01, 7.9324e-05, 4.7228e-02],  
 [1.4023e+00, 3.6538e-04, 1.0907e-01],  
 [2.7906e-01, 3.5607e-05, 2.6506e-02],  
 [7.2530e-01, 8.9563e-05, 8.7715e-02],  
 [2.2329e-01, 1.0590e-05, 3.0737e-02],  
 [4.5180e-02, 7.1612e-07, 6.4567e-03],  
 [1.5112e+00, 1.6110e-04, 7.6463e-02],  
 [1.0603e+01, 4.8203e-02, 6.1832e-01],  
 [5.0814e+00, 1.1314e-03, 2.5638e-01],  
 [1.6976e+01, 4.6643e-02, 8.0208e-01],  
 [7.5554e+00, 1.5201e-02, 3.6402e-01],  
 [3.5977e-01, 3.6971e-05, 3.6726e-02],  
 [5.8737e+01, 3.4374e-01, 1.8909e+00],  
 [2.0130e-01, 7.0172e-06, 2.5711e-02],  
 [3.1805e+00, 2.0496e-03, 2.0519e-01],  
 [3.3440e+01, 2.5151e-01, 9.1668e-01],  
 [4.2581e-01, 7.1779e-05, 5.6838e-02],  
 [3.6176e+01, 3.4242e-01, 1.6601e+00],  
 [7.3565e+01, 1.2734e+00, 2.4440e+00],  
 [6.5489e-01, 5.3461e-04, 8.4321e-02],  
 [8.7091e+01, 1.5278e+00, 1.8240e+00],  
 [4.2443e+00, 1.5350e-02, 5.0262e-01],  
 [3.7781e+01, 4.8086e-01, 1.7465e+00],  
 [3.2143e-01, 5.7281e-05, 4.1212e-02],  
 [1.6403e+01, 4.3108e-02, 1.0212e+00],  
 [1.9377e+00, 5.5366e-04, 1.2156e-01],  
 [9.5466e+00, 2.9063e-02, 5.9599e-01],  
 [8.0576e+01, 1.5056e-01, 3.6867e+00],  
 [1.1820e+02, 2.1573e+00, 3.3997e+00],  
 [7.7535e+01, 4.4836e-01, 1.7590e+00],  
 [4.3645e+01, 1.6604e-01, 1.8056e+00],  
 [7.2610e-01, 1.3528e-04, 7.9036e-02],  
 [9.4903e+01, 4.7725e-01, 3.8378e+00],

[2.8207e-01, 3.0040e-05, 3.2514e-02],  
 [3.0747e+01, 3.4679e-02, 9.0658e-01],  
 [2.9103e+00, 4.5387e-03, 2.1670e-01],  
 [1.5681e+01, 1.8212e-02, 1.1270e+00],  
 [3.0919e-01, 5.5390e-05, 3.1341e-02],  
 [1.8423e+01, 3.4356e-02, 1.1682e+00],  
 [6.2396e-01, 7.4197e-06, 4.7589e-02],  
 [3.2876e+01, 3.0547e-01, 1.7292e+00],  
 [1.9601e+02, 2.0315e+00, 4.2387e+00],  
 [4.2968e-02, 1.6990e-07, 5.8092e-03],  
 [2.5911e+00, 2.4911e-04, 1.4278e-01],  
 [7.0295e-03, 7.3244e-08, 1.0711e-03],  
 [1.0094e+00, 9.0438e-06, 8.2037e-02],  
 [2.4947e+01, 6.6826e-02, 9.0543e-01],  
 [1.0147e-01, 1.6961e-06, 1.3232e-02],  
 [1.6882e+01, 1.7766e-02, 1.3409e+00],  
 [1.6215e+01, 3.3375e-02, 6.8804e-01],  
 [1.3059e-02, 1.3203e-07, 1.9409e-03],  
 [3.4865e+01, 1.3828e-01, 1.0208e+00],  
 [1.6457e+01, 1.2114e-02, 6.1128e-01],  
 [3.6633e+01, 1.3677e-01, 9.5730e-01],  
 [6.7084e-02, 7.2473e-07, 8.7479e-03],  
 [1.5582e+01, 2.1963e-02, 6.3122e-01],  
 [1.9353e+02, 8.2312e+00, 4.7135e+00],  
 [2.0958e-01, 2.1636e-05, 2.2127e-02],  
 [4.3741e+01, 1.0273e-01, 2.1971e+00],  
 [2.9336e+01, 9.7220e-02, 1.5557e+00],  
 [2.8501e-01, 6.0775e-05, 2.8475e-02],  
 [4.0281e+01, 1.9738e-01, 1.2414e+00],  
 [3.7460e+01, 3.9308e-02, 9.0527e-01],  
 [2.5372e-02, 4.2663e-07, 3.7572e-03],  
 [3.3965e-01, 4.1735e-05, 3.3829e-02],  
 [9.3506e-02, 6.2213e-06, 1.1652e-02],  
 [6.0365e-01, 1.0024e-04, 8.2137e-02],  
 [1.1816e+02, 2.8405e+00, 2.9809e+00],  
 [5.6700e+00, 1.6334e-02, 4.8017e-01],  
 [1.4584e-02, 2.8673e-07, 2.2089e-03],  
 [2.5301e+01, 3.6634e-02, 1.1464e+00],  
 [3.3709e+01, 1.2042e-01, 2.4024e+00],  
 [7.1009e-02, 3.2507e-07, 9.2761e-03],  
 [1.3773e+01, 2.3907e-02, 6.3777e-01],  
 [5.3110e+01, 1.6666e-02, 1.7580e+00],  
 [2.8372e-02, 9.6449e-08, 4.1326e-03],  
 [1.4855e+00, 1.1115e-03, 1.4750e-01],  
 [1.1931e+00, 2.3538e-04, 1.0516e-01],  
 [2.6041e-02, 4.0878e-07, 3.7287e-03],  
 [1.0133e+01, 1.0982e-02, 3.4987e-01],  
 [4.0927e+01, 1.8867e-01, 2.4467e+00],

[1.8865e+00, 1.0975e-03, 1.5224e-01],  
 [1.1496e+01, 4.0039e-02, 7.7932e-01],  
 [2.5165e-01, 4.6839e-05, 2.6517e-02],  
 [4.5823e+01, 6.9378e-01, 2.9295e+00],  
 [6.3122e+00, 8.2430e-03, 4.9363e-01],  
 [5.6342e-04, 7.9763e-11, 9.2339e-05],  
 [3.1064e-01, 1.5875e-05, 4.4267e-02],  
 [1.2500e+00, 8.2848e-04, 1.1651e-01],  
 [1.0976e+00, 2.1662e-04, 7.1884e-02],  
 [2.6940e-01, 4.8174e-05, 2.9095e-02],  
 [1.9250e-02, 2.1584e-08, 2.7647e-03],  
 [3.0870e+01, 1.3174e-01, 1.3570e+00],  
 [1.4642e+02, 3.1947e+00, 2.9770e+00],  
 [9.2111e-01, 3.4914e-04, 7.8578e-02],  
 [1.0783e+00, 1.4786e-04, 8.5679e-02],  
 [3.1918e-01, 3.2198e-05, 2.9698e-02],  
 [3.8059e-01, 9.6551e-05, 4.9439e-02],  
 [7.2883e+00, 3.3949e-03, 3.2921e-01],  
 [4.7869e+01, 1.4011e-01, 2.1805e+00],  
 [1.0576e-01, 5.7155e-06, 1.2771e-02],  
 [1.4722e+01, 2.1793e-02, 4.9068e-01],  
 [4.7625e+00, 2.3790e-03, 5.1166e-01],  
 [1.1554e+01, 1.6057e-02, 5.9815e-01],  
 [2.8825e+00, 5.4662e-04, 3.1741e-01],  
 [4.0239e-03, 3.5283e-09, 6.4731e-04],  
 [1.1148e+00, 7.2408e-04, 1.0986e-01],  
 [1.3925e+02, 3.7943e+00, 2.9917e+00],  
 [4.2295e+01, 1.3542e-01, 1.0727e+00],  
 [1.2053e+01, 1.9129e-02, 8.4200e-01],  
 [2.5350e-03, 7.5533e-09, 4.0854e-04],  
 [3.3858e+01, 2.0966e-01, 1.3376e+00],  
 [1.3669e+00, 1.3085e-04, 1.2958e-01],  
 [8.1626e+00, 8.7283e-03, 3.0107e-01],  
 [4.7667e+01, 1.1515e-01, 2.4086e+00],  
 [3.0800e-01, 1.7370e-05, 4.2278e-02],  
 [3.8562e-02, 6.2613e-07, 5.4892e-03],  
 [1.1848e+01, 6.7462e-03, 9.5200e-01],  
 [6.4676e-01, 4.5241e-04, 8.5630e-02],  
 [4.0474e+00, 4.1665e-03, 2.9710e-01],  
 [7.0396e-01, 2.8212e-04, 8.1350e-02],  
 [1.4916e+00, 2.4452e-04, 1.6902e-01],  
 [2.8204e-02, 2.2147e-07, 4.2704e-03],  
 [6.1912e-01, 4.7645e-05, 5.9791e-02],  
 [7.7765e+01, 2.6712e+00, 3.9181e+00],  
 [3.1625e+00, 1.7493e-03, 2.4122e-01],  
 [2.4863e-01, 9.8436e-06, 3.2139e-02],  
 [7.5539e+01, 1.2955e-01, 3.8876e+00],  
 [9.1269e-02, 1.0428e-05, 1.2756e-02],

[3.4599e+01, 3.1266e-01, 1.5729e+00],  
 [3.2451e+00, 7.8201e-03, 3.2505e-01],  
 [1.7876e-02, 6.3152e-08, 2.6211e-03],  
 [3.2575e+01, 5.6968e-01, 2.1973e+00],  
 [4.4010e+01, 5.5747e-01, 1.6613e+00],  
 [1.4760e+02, 3.7210e-01, 4.7309e+00],  
 [2.0405e+02, 6.1330e+00, 3.8182e+00],  
 [5.7447e+00, 2.4894e-03, 4.4944e-01],  
 [7.1244e+00, 1.9001e-02, 5.7857e-01],  
 [1.8484e+01, 8.3289e-02, 8.1798e-01],  
 [1.8843e+01, 1.1501e-02, 7.1557e-01],  
 [3.0379e+01, 1.9960e-02, 1.8172e+00],  
 [1.7635e+02, 4.0944e+00, 3.3506e+00],  
 [9.5641e+01, 1.8291e+00, 3.4829e+00],  
 [1.5683e+02, 3.7832e+00, 3.3880e+00],  
 [7.4984e-02, 6.2999e-07, 1.0396e-02],  
 [1.2549e-02, 2.4152e-07, 1.9314e-03],  
 [5.0361e-01, 1.3196e-04, 6.2379e-02],  
 [5.5960e+01, 5.2711e-01, 1.4392e+00],  
 [8.9695e-01, 3.4826e-04, 7.0104e-02],  
 [7.9469e+00, 1.0482e-02, 4.8971e-01],  
 [1.6920e+01, 1.9618e-02, 8.9982e-01],  
 [1.7429e+00, 1.0290e-03, 1.6068e-01],  
 [3.4968e-01, 7.3814e-06, 4.3046e-02],  
 [1.6337e+02, 5.8035e+00, 4.4357e+00],  
 [2.9473e+00, 2.2122e-03, 1.7165e-01],  
 [3.1205e+01, 2.7386e-01, 1.2034e+00],  
 [1.0875e+01, 2.5632e-02, 5.1808e-01],  
 [6.0841e-02, 2.1633e-06, 9.2512e-03],  
 [7.4657e+01, 8.6551e-02, 2.4190e+00],  
 [1.3266e+00, 2.5561e-04, 1.4209e-01],  
 [4.4036e+01, 2.8430e-01, 2.6245e+00],  
 [8.4817e+00, 1.4637e-02, 4.6304e-01],  
 [1.3627e+01, 2.4632e-02, 7.4488e-01],  
 [2.6130e+01, 8.6943e-02, 1.2249e+00],  
 [3.3929e+01, 7.1131e-02, 7.5024e-01],  
 [1.3481e+01, 1.1118e-01, 1.1957e+00],  
 [3.6257e+01, 1.5671e-01, 1.1809e+00],  
 [3.2610e+01, 9.7530e-02, 8.3107e-01],  
 [1.2187e+02, 1.5614e+00, 2.3738e+00],  
 [4.2781e+01, 3.8927e-01, 1.3175e+00],  
 [3.6842e-01, 3.9559e-05, 3.5220e-02],  
 [1.9139e+00, 1.1767e-03, 2.3517e-01],  
 [9.7866e+01, 1.3914e+00, 4.2542e+00],  
 [7.3373e+00, 7.5148e-03, 3.0999e-01],  
 [6.6247e+01, 2.5514e-01, 2.2273e+00],  
 [1.3326e+01, 2.9301e-02, 9.6082e-01],  
 [2.4876e+02, 2.7384e+00, 4.5190e+00],

```

[1.5895e+00, 2.2886e-03, 1.5215e-01],
[7.0487e+01, 4.2546e-01, 2.3693e+00],
[9.5873e+00, 3.0355e-03, 6.4735e-01],
[3.0633e+02, 5.3946e+00, 5.1357e+00],
[8.6825e-01, 1.0366e-04, 7.6731e-02],
[2.0536e+01, 5.4476e-02, 6.5351e-01],
[3.1833e+00, 4.1425e-03, 2.1224e-01],
[7.8170e+01, 2.8121e-01, 1.7541e+00],
[6.0087e+01, 7.9703e-02, 2.7136e+00],
[2.2444e+01, 1.1162e-01, 1.0720e+00],
[1.4707e+00, 1.2810e-03, 1.5677e-01],
[1.0278e+02, 8.7109e-01, 3.2814e+00]], dtype=torch.float64)
Iteration: 14
Inputs: tensor([[2.2154e+18, 4.4225e+02, 1.6924e+01, 7.1055e+00],
[4.5355e+18, 4.5526e+02, 1.4586e+01, 9.0810e+00],
[1.7638e+19, 2.2876e+02, 1.7050e+00, 6.1381e+00],
...,
[2.3435e+18, 1.2495e+02, 4.9042e+00, 1.7237e+00],
[9.3495e+18, 3.4139e+01, 3.1124e+00, 2.4978e+00],
[6.5119e+20, 1.0706e+02, 1.1181e+01, 5.5113e+00]], dtype=torch.float64)
Target: tensor([[4.4052e-01, 8.1787e-05, 4.1042e-02],
[1.8183e+00, 1.1547e-03, 1.2071e-01],
[9.8808e+00, 6.3313e-03, 4.2728e-01],
[2.6049e+00, 8.8229e-04, 2.3098e-01],
[5.9950e+01, 3.5222e-01, 3.3238e+00],
[7.6367e+00, 1.5848e-02, 5.3814e-01],
[7.0681e-02, 2.3576e-06, 1.0874e-02],
[4.0894e-01, 5.3399e-05, 4.4125e-02],
[5.2805e+01, 9.3364e-01, 2.8212e+00],
[4.2813e-01, 8.9682e-05, 5.1540e-02],
[2.8124e-01, 2.1406e-05, 4.0434e-02],
[6.1313e-02, 1.0546e-06, 7.6777e-03],
[4.5915e+00, 5.2116e-03, 3.6821e-01],
[1.8947e+00, 6.3830e-04, 1.9709e-01],
[1.2722e+00, 1.8821e-04, 1.7309e-01],
[1.9082e+01, 8.8828e-02, 1.4469e+00],
[1.4906e-01, 1.4308e-05, 1.6113e-02],
[7.4997e+01, 1.1903e+00, 2.5047e+00],
[2.9786e-01, 1.6482e-05, 2.9716e-02],
[1.4671e-03, 9.2406e-10, 2.3930e-04],
[4.7742e+00, 2.0177e-03, 4.7927e-01],
[2.6814e+00, 1.1400e-03, 2.0188e-01],
[7.1341e+00, 1.3910e-02, 4.3384e-01],
[1.8817e-01, 2.8223e-05, 2.3951e-02],
[7.4516e+01, 1.0296e+00, 1.5859e+00],
[1.0616e-01, 6.5426e-06, 1.3009e-02],
[4.4841e+01, 8.9708e-01, 2.6073e+00],
[3.5259e-01, 3.3203e-05, 4.5323e-02],

```



[1.8038e+00, 4.7807e-04, 1.8646e-01],  
 [1.3343e+00, 2.8879e-04, 1.6678e-01],  
 [1.0146e+00, 5.3893e-04, 9.1106e-02],  
 [5.3706e+01, 5.2554e-01, 2.8639e+00],  
 [6.7965e+01, 2.2212e-01, 2.5794e+00],  
 [3.4839e+01, 8.2101e-02, 1.1575e+00],  
 [4.7557e-01, 6.5355e-05, 4.1192e-02],  
 [4.6766e+00, 3.2180e-03, 2.2384e-01],  
 [4.0396e+01, 3.2739e-01, 1.3711e+00],  
 [2.4714e-02, 4.4729e-07, 3.5021e-03],  
 [1.5446e+01, 2.9423e-02, 8.4167e-01],  
 [3.1432e-01, 1.4223e-06, 3.4502e-02],  
 [7.5624e+00, 3.9286e-03, 4.2112e-01],  
 [9.7488e+00, 1.1427e-02, 4.1835e-01],  
 [1.7075e+00, 5.0151e-04, 2.3592e-01],  
 [2.8305e-02, 2.0123e-07, 4.0998e-03],  
 [2.4331e+02, 2.7585e+00, 4.8342e+00],  
 [2.4893e+01, 4.9127e-02, 1.4077e+00],  
 [1.4485e+00, 2.8628e-05, 1.2423e-01],  
 [5.8150e+01, 8.5298e-01, 1.6183e+00],  
 [4.9214e-01, 5.0370e-05, 6.6916e-02],  
 [9.5625e+00, 7.6492e-03, 3.2282e-01],  
 [7.5860e+00, 8.6430e-03, 3.8901e-01],  
 [5.9871e+00, 1.0961e-02, 3.8228e-01],  
 [6.4521e+01, 1.2343e-01, 2.5488e+00],  
 [4.1299e+00, 1.1274e-02, 3.5788e-01],  
 [7.7901e+00, 7.3663e-03, 3.4463e-01],  
 [5.6562e+00, 1.0393e-02, 3.1261e-01],  
 [4.2823e+01, 4.7197e-01, 2.4976e+00],  
 [8.9134e+01, 1.7870e-01, 2.3102e+00],  
 [3.4200e+00, 1.2950e-03, 1.6944e-01],  
 [2.9159e+00, 1.7770e-03, 3.0132e-01],  
 [1.9354e+00, 9.6368e-04, 1.6224e-01],  
 [3.7032e+01, 4.4294e-01, 1.9392e+00],  
 [1.4985e+02, 3.0660e+00, 2.8174e+00],  
 [2.0505e+01, 4.9665e-02, 1.1315e+00],  
 [1.3728e-01, 7.2611e-06, 1.4629e-02],  
 [1.6176e+00, 3.5968e-04, 1.4390e-01],  
 [5.1923e+01, 4.0346e-01, 1.7487e+00],  
 [1.2487e+01, 2.8051e-02, 6.5411e-01],  
 [6.9597e+00, 7.1456e-04, 3.6277e-01],  
 [6.2635e-01, 1.2197e-04, 5.3955e-02],  
 [5.3958e+00, 7.7986e-04, 2.7576e-01],  
 [2.5872e+02, 5.7359e+00, 4.6879e+00],  
 [8.1709e+00, 3.7506e-02, 5.9642e-01],  
 [6.3419e+01, 1.2047e-01, 1.2495e+00],  
 [1.3171e-02, 1.0029e-08, 2.0703e-03],  
 [5.0318e+01, 5.8415e-01, 1.6693e+00],

[2.5027e+01, 1.2547e-01, 1.4812e+00],  
 [2.2777e+00, 4.2206e-03, 2.4612e-01],  
 [5.6862e+01, 1.0035e+00, 2.8958e+00],  
 [2.6480e+01, 1.9981e-01, 1.4758e+00],  
 [2.0129e+00, 6.6669e-04, 2.0632e-01],  
 [2.4255e+02, 2.0298e+00, 4.2126e+00],  
 [7.4749e+01, 8.8502e-01, 1.7378e+00],  
 [1.8238e+02, 5.2191e+00, 4.2550e+00],  
 [4.1071e+00, 4.2376e-03, 2.4219e-01],  
 [3.5853e+00, 2.2507e-03, 2.0204e-01],  
 [5.5719e+01, 4.2994e-01, 1.1306e+00],  
 [1.2357e+02, 1.2510e+00, 2.5925e+00],  
 [4.3107e-02, 5.3940e-07, 6.0801e-03],  
 [1.6133e+01, 2.1706e-02, 1.1099e+00],  
 [3.2812e-01, 7.4152e-05, 3.5836e-02],  
 [9.4032e+01, 4.9638e-01, 4.0516e+00],  
 [2.2299e+00, 2.2582e-03, 1.5753e-01],  
 [5.4266e+01, 2.4748e-01, 2.9150e+00],  
 [3.0537e-01, 2.9439e-05, 4.0250e-02],  
 [7.8455e-02, 2.4640e-06, 1.0584e-02],  
 [4.8783e-01, 6.4813e-05, 5.8896e-02],  
 [1.2715e-02, 2.3812e-07, 1.9827e-03],  
 [1.4065e+01, 3.2053e-02, 8.3548e-01],  
 [6.0133e-01, 1.2789e-04, 5.2226e-02],  
 [2.0241e+01, 1.4445e-01, 9.5455e-01],  
 [6.8902e+01, 8.1905e-01, 1.9191e+00],  
 [6.3172e+00, 8.0437e-03, 2.6882e-01],  
 [2.3646e+02, 1.1446e+01, 4.8656e+00],  
 [7.3073e+00, 1.0298e-02, 4.0254e-01],  
 [2.3716e+01, 1.5340e-01, 1.2211e+00],  
 [1.3834e-01, 6.9423e-06, 1.6364e-02],  
 [6.1309e+01, 5.9469e-01, 2.5977e+00],  
 [1.4180e+02, 8.0307e-01, 2.5164e+00],  
 [2.8845e+01, 4.1983e-02, 2.0324e+00],  
 [6.3836e+01, 7.6342e-01, 2.2603e+00],  
 [1.1612e+00, 6.8750e-05, 9.7449e-02],  
 [5.8287e-02, 4.7360e-06, 7.7862e-03],  
 [9.4923e+01, 7.5516e-01, 2.1896e+00],  
 [1.6391e-01, 1.4658e-05, 1.9083e-02],  
 [6.2467e-01, 5.3318e-06, 5.2413e-02],  
 [5.9398e+01, 6.9346e-01, 2.1845e+00],  
 [1.9932e+00, 1.2897e-03, 1.6230e-01],  
 [2.2498e+00, 6.7072e-04, 1.8449e-01],  
 [2.2607e+02, 3.6002e+00, 4.2248e+00],  
 [2.6831e+02, 8.4330e+00, 4.2702e+00],  
 [2.5638e+01, 5.2085e-02, 1.3803e+00],  
 [7.4406e-01, 3.9027e-04, 9.9845e-02],  
 [4.1911e+01, 1.0269e-01, 1.5442e+00],

[8.4284e-01, 4.3626e-04, 8.7639e-02],  
[3.9774e+01, 5.5166e-01, 1.3829e+00],  
[4.0747e-01, 8.8004e-05, 3.5994e-02],  
[1.5098e+00, 5.7937e-04, 1.4794e-01],  
[2.7787e+00, 1.5657e-03, 2.6635e-01],  
[1.5347e+02, 2.1960e+00, 4.1510e+00],  
[4.3324e-01, 5.4991e-06, 4.0393e-02],  
[1.3775e+01, 4.7497e-02, 6.5570e-01],  
[2.2780e+01, 4.0599e-02, 1.3652e+00],  
[7.6389e+00, 1.7828e-02, 8.8345e-01],  
[4.4778e-02, 1.0144e-06, 6.3077e-03],  
[4.7347e-01, 1.7430e-05, 4.9233e-02],  
[3.6366e-01, 4.5732e-05, 3.4992e-02],  
[4.2212e+00, 8.7475e-03, 4.6438e-01],  
[6.2470e-02, 3.3553e-06, 8.3364e-03],  
[7.7327e-01, 1.5054e-04, 7.9816e-02],  
[9.3837e-02, 4.5688e-06, 1.2741e-02],  
[3.8571e-01, 1.8168e-05, 4.6132e-02],  
[1.7421e-02, 4.2002e-07, 2.5067e-03],  
[3.6678e+01, 1.2727e-01, 1.1777e+00],  
[1.7376e-01, 2.9172e-05, 2.2700e-02],  
[3.1871e+02, 9.7415e+00, 5.0014e+00],  
[3.0874e-03, 1.4804e-09, 4.8675e-04],  
[2.6953e+01, 7.8499e-02, 7.6431e-01],  
[7.1530e+01, 3.8869e-01, 2.2214e+00],  
[5.9877e+01, 1.7347e-01, 1.6379e+00],  
[5.0331e+01, 3.0702e-01, 1.2477e+00],  
[4.5846e+01, 8.4845e-01, 2.8966e+00],  
[1.8893e+00, 8.9345e-05, 1.3382e-01],  
[1.0469e+01, 1.2079e-02, 5.7398e-01],  
[2.7079e+00, 1.2921e-03, 3.0255e-01],  
[3.6065e+00, 1.1906e-03, 2.5600e-01],  
[1.0848e-01, 3.5611e-06, 1.2879e-02],  
[5.5842e+01, 8.3396e-02, 2.7638e+00],  
[3.9089e+01, 1.1826e-01, 1.8743e+00],  
[1.4618e+01, 7.7944e-03, 6.2860e-01],  
[4.7234e+01, 5.4364e-01, 1.9770e+00],  
[1.4630e+01, 4.8737e-02, 7.9331e-01],  
[4.6920e-02, 2.6256e-06, 7.1694e-03],  
[1.5394e+01, 1.5938e-02, 1.3740e+00],  
[6.1151e+00, 3.9441e-03, 4.5259e-01],  
[2.6704e+01, 1.4431e-01, 1.3392e+00],  
[1.8086e+01, 2.9203e-02, 1.5814e+00],  
[8.7817e+00, 1.2934e-02, 5.1534e-01],  
[1.5402e-01, 8.9426e-06, 1.5961e-02],  
[5.9438e-01, 1.1656e-04, 5.6138e-02],  
[1.7292e+02, 3.5157e-01, 3.9190e+00],  
[4.5426e+01, 1.6929e-01, 1.8777e+00],

[1.7957e+01, 8.9179e-03, 4.8894e-01],  
[6.0017e+00, 2.1593e-02, 5.0055e-01],  
[2.7521e+00, 1.6580e-03, 3.4331e-01],  
[8.5445e-01, 2.1035e-04, 6.8806e-02],  
[2.8813e+01, 2.2692e-01, 1.6082e+00],  
[3.6962e+01, 1.3459e-01, 1.0781e+00],  
[1.2295e+02, 1.5452e+00, 2.7851e+00],  
[6.0210e+01, 7.5427e-01, 3.4968e+00],  
[1.2060e-01, 1.4068e-05, 1.3700e-02],  
[2.0859e-02, 1.3542e-07, 3.0616e-03],  
[1.7526e+02, 3.9368e+00, 2.8532e+00],  
[6.6169e-01, 6.8457e-05, 6.7382e-02],  
[1.1713e+00, 7.8914e-05, 8.3953e-02],  
[2.5048e+01, 1.7001e-01, 8.1368e-01],  
[2.0844e+00, 1.6078e-03, 1.3935e-01],  
[4.8178e+01, 7.3353e-01, 2.4625e+00],  
[1.1831e+00, 3.5568e-04, 1.4597e-01],  
[2.7609e+01, 3.4177e-01, 1.1903e+00],  
[1.1547e+01, 1.9677e-02, 6.5849e-01],  
[1.0294e+00, 7.5619e-04, 1.0806e-01],  
[1.5367e-01, 5.6930e-06, 1.6478e-02],  
[1.0248e-01, 4.0858e-06, 1.4670e-02],  
[7.5108e+01, 1.0800e-01, 1.9933e+00],  
[3.7572e+01, 1.8469e-01, 2.1019e+00],  
[2.7865e+02, 9.2828e+00, 5.0048e+00],  
[2.2675e+01, 1.2376e-01, 1.1799e+00],  
[1.9680e+02, 3.7868e+00, 3.4442e+00],  
[8.1720e-01, 2.1043e-04, 6.5101e-02],  
[3.4718e+00, 5.4507e-03, 2.5626e-01],  
[9.5729e+00, 1.6848e-02, 5.0887e-01],  
[3.6928e+01, 2.8306e-01, 1.4523e+00],  
[6.7233e+00, 1.2375e-02, 4.0010e-01],  
[3.6802e+00, 2.8819e-03, 2.0118e-01],  
[1.1493e+01, 3.9828e-02, 6.0804e-01],  
[4.1393e+00, 2.7780e-03, 2.8640e-01],  
[8.0431e+01, 4.1165e-01, 2.0458e+00],  
[5.9351e-01, 3.6761e-05, 5.5400e-02],  
[7.1733e-01, 5.6624e-05, 6.4600e-02],  
[5.1636e+01, 7.4580e-01, 1.5710e+00],  
[5.8575e+01, 5.9958e-01, 2.0603e+00],  
[1.3764e+02, 3.6575e+00, 3.7247e+00],  
[1.6906e-01, 5.4443e-06, 1.9665e-02],  
[7.5064e-03, 3.1721e-08, 1.1920e-03],  
[6.8318e+00, 7.3173e-03, 5.5240e-01],  
[3.8703e+00, 1.1411e-03, 2.9610e-01],  
[1.4669e+01, 1.5942e-02, 1.0608e+00],  
[1.1600e+00, 1.5623e-03, 1.4073e-01],  
[2.8738e-02, 6.4067e-08, 4.3491e-03],

[2.1145e+01, 2.7097e-02, 6.7045e-01],  
 [1.9073e+02, 4.0705e+00, 3.4162e+00],  
 [5.3903e-02, 1.6506e-06, 7.6073e-03],  
 [5.2907e-03, 6.6420e-09, 8.5609e-04],  
 [2.1471e+01, 4.0639e-02, 9.2949e-01],  
 [1.0152e+01, 1.3562e-02, 3.7400e-01],  
 [8.2529e+01, 1.0049e+00, 3.2209e+00],  
 [2.0722e+00, 1.3865e-03, 2.2501e-01],  
 [1.7703e+00, 5.6418e-04, 1.7318e-01],  
 [2.6330e-03, 3.8799e-09, 4.2669e-04],  
 [4.2530e+01, 2.2447e-01, 1.3517e+00],  
 [7.0233e-01, 1.8907e-05, 7.9514e-02],  
 [1.0427e-01, 2.5977e-06, 1.5928e-02],  
 [6.2787e+00, 7.1793e-03, 5.2690e-01],  
 [1.2030e+01, 9.1054e-02, 8.0964e-01],  
 [1.0092e+00, 1.4482e-05, 9.8238e-02],  
 [5.7133e-02, 7.6654e-07, 8.3789e-03],  
 [1.4028e+00, 1.6039e-04, 1.1656e-01],  
 [3.7057e+01, 2.3317e-01, 1.9634e+00],  
 [4.9258e+01, 6.3885e-01, 2.0323e+00],  
 [4.4851e+01, 4.0010e-01, 2.5458e+00],  
 [7.1047e+00, 5.3819e-03, 5.1329e-01],  
 [1.3272e+02, 1.9046e+00, 2.8831e+00],  
 [1.2389e-02, 3.1685e-07, 1.9317e-03],  
 [1.5215e-01, 2.2554e-05, 1.8973e-02],  
 [6.6317e+00, 1.1737e-02, 3.4835e-01],  
 [1.4309e+02, 3.1559e+00, 3.6038e+00],  
 [1.5738e-01, 3.4841e-06, 2.0734e-02],  
 [5.8121e+00, 1.3454e-02, 3.4806e-01],  
 [4.8178e+00, 1.0381e-02, 3.0063e-01],  
 [1.2939e+00, 1.1338e-04, 1.3433e-01],  
 [3.6178e+00, 2.9083e-03, 1.9517e-01],  
 [5.0184e-01, 2.1832e-05, 5.7717e-02],  
 [8.1872e+01, 8.5097e-01, 2.6181e+00],  
 [4.5309e+00, 2.6953e-03, 3.3829e-01],  
 [3.4630e-01, 1.2031e-04, 4.0738e-02],  
 [4.9435e-01, 4.3328e-05, 5.1565e-02],  
 [4.3831e+01, 1.0971e-01, 1.0410e+00],  
 [6.1458e+00, 1.1285e-02, 3.5954e-01],  
 [1.2674e+02, 1.4235e+00, 2.2822e+00],  
 [6.5307e+01, 1.8064e-01, 2.4047e+00],  
 [8.4059e+00, 7.1953e-03, 3.0725e-01],  
 [6.8501e+01, 3.0538e-01, 1.6088e+00],  
 [6.9985e-02, 3.2728e-06, 8.9299e-03],  
 [2.1741e+00, 5.4128e-05, 1.4419e-01],  
 [1.4240e+02, 7.5536e-01, 2.3530e+00],  
 [5.1796e+01, 2.8694e-01, 2.7142e+00],  
 [2.4654e+01, 1.2757e-01, 7.2652e-01],

[3.8932e+00, 4.7719e-03, 2.2875e-01],  
 [1.0307e+00, 6.0276e-04, 8.7424e-02],  
 [1.0016e+00, 1.4806e-04, 1.0436e-01],  
 [1.3014e+01, 5.8786e-02, 9.7047e-01],  
 [5.3913e+01, 4.5838e-01, 1.1502e+00],  
 [1.5476e+02, 1.1066e+00, 3.0721e+00],  
 [2.1040e+00, 2.8853e-04, 1.8656e-01],  
 [6.2752e+00, 7.9596e-04, 3.1065e-01],  
 [2.2122e+01, 8.2436e-03, 7.7509e-01],  
 [3.5212e-01, 7.4962e-06, 4.2597e-02],  
 [1.1960e+01, 2.5587e-02, 6.4933e-01],  
 [7.9036e-01, 8.5663e-05, 7.0277e-02],  
 [1.9657e+01, 1.6073e-02, 9.9537e-01],  
 [3.9287e+01, 4.5190e-01, 1.1060e+00],  
 [9.3411e+01, 1.2099e-01, 2.2391e+00],  
 [6.3098e-01, 1.4407e-04, 5.6609e-02],  
 [7.2281e+01, 2.3200e-01, 1.5723e+00],  
 [1.8636e+02, 1.2501e+00, 3.5532e+00],  
 [2.1311e+00, 2.0255e-03, 1.4790e-01],  
 [1.3998e+01, 4.3064e-02, 8.1307e-01],  
 [1.4292e+00, 2.1482e-04, 1.5693e-01],  
 [2.5281e+01, 7.9192e-02, 1.5832e+00],  
 [2.3280e+01, 6.5228e-02, 7.6055e-01],  
 [3.8609e+00, 6.2195e-03, 2.5353e-01],  
 [1.3595e+00, 3.1941e-05, 9.3194e-02],  
 [5.2914e+01, 2.9984e-01, 1.8768e+00],  
 [1.7019e+01, 4.9844e-02, 6.5195e-01],  
 [4.0702e-02, 1.2076e-06, 5.4122e-03],  
 [2.0431e-01, 2.7911e-05, 2.2576e-02],  
 [5.0470e+01, 3.0071e-01, 1.2493e+00],  
 [1.8264e+02, 4.1871e+00, 4.6756e+00],  
 [4.7112e-02, 1.0765e-07, 6.7149e-03],  
 [2.7743e-01, 7.9975e-06, 2.3897e-02],  
 [7.3937e+01, 1.7875e-01, 2.3716e+00],  
 [1.6599e+00, 1.3787e-04, 1.3123e-01],  
 [1.9573e+00, 1.3995e-04, 1.0552e-01],  
 [7.8942e+01, 4.5974e-02, 1.7622e+00],  
 [8.4589e+00, 3.8237e-02, 5.9859e-01],  
 [4.8233e+00, 3.7280e-03, 2.6631e-01],  
 [6.0512e-02, 7.3625e-07, 9.0010e-03],  
 [1.8701e+01, 6.2018e-02, 7.5963e-01],  
 [7.4754e+00, 7.4913e-03, 3.6039e-01],  
 [1.0282e+00, 1.2553e-04, 7.2581e-02],  
 [7.3817e+01, 8.3309e-01, 2.1138e+00],  
 [2.5859e+00, 7.6799e-04, 2.1108e-01],  
 [5.3980e+01, 1.1007e-01, 1.9388e+00],  
 [2.4408e+00, 1.7128e-03, 1.7367e-01],  
 [4.1257e+00, 1.7908e-03, 3.0758e-01],

```

[1.0987e+02, 1.8028e+00, 3.1816e+00],
[4.0561e-02, 1.0685e-07, 5.7791e-03],
[9.6571e-02, 8.8769e-07, 1.3988e-02],
[5.4280e+01, 5.1371e-01, 3.0108e+00]], dtype=torch.float64)
Iteration: 15
Inputs: tensor([[4.6123e+19, 3.6550e+02, 5.1488e+00, 2.8059e+00],
[3.4203e+19, 4.4917e+02, 1.9544e+01, 7.8369e+00],
[4.4690e+18, 8.6899e+01, 9.4504e+00, 5.0600e+00],
...,
[4.0062e+20, 2.6456e+02, 3.0947e+00, 2.8629e+00],
[4.9998e+20, 3.1997e+02, 1.8543e+01, 5.9918e+00],
[9.0983e+18, 2.3319e+01, 1.5583e+01, 1.8646e+00]], dtype=torch.float64)
Target: tensor([[2.2175e+01, 1.6190e-02, 8.2900e-01],
[1.6038e+01, 8.0852e-02, 6.6504e-01],
[1.0543e-01, 4.3971e-06, 1.4437e-02],
[1.6855e+00, 4.4802e-04, 1.3577e-01],
[3.5006e-02, 1.3501e-07, 4.9893e-03],
[1.5260e+01, 1.3711e-03, 7.8224e-01],
[9.9664e+01, 8.3265e-01, 4.0966e+00],
[6.5168e+01, 6.4071e-01, 1.8558e+00],
[3.9094e+01, 9.3997e-02, 1.2588e+00],
[5.6805e-01, 1.0527e-04, 4.6734e-02],
[2.5034e+01, 8.0558e-02, 7.1252e-01],
[4.7210e-02, 1.1186e-06, 6.5385e-03],
[1.8641e+00, 9.4802e-04, 2.6426e-01],
[4.2467e+00, 4.2627e-03, 2.1366e-01],
[2.6408e+01, 7.1874e-03, 1.7511e+00],
[2.2232e+02, 1.3336e+01, 5.0497e+00],
[6.2671e+01, 4.5239e-01, 1.5625e+00],
[5.4126e+00, 7.6639e-03, 2.7010e-01],
[1.4108e+02, 1.2145e+00, 3.5824e+00],
[1.1562e-01, 4.6216e-06, 1.4240e-02],
[1.9507e+02, 5.7402e+00, 3.6348e+00],
[4.6663e+01, 4.3605e-01, 1.7318e+00],
[6.9400e+01, 8.4653e-01, 2.2605e+00],
[2.1683e+01, 1.3282e-01, 8.8179e-01],
[1.6354e+00, 2.5081e-05, 1.3067e-01],
[1.9325e+02, 4.5469e+00, 3.8509e+00],
[1.2542e-01, 1.0747e-06, 1.5037e-02],
[7.7397e+01, 4.1176e-01, 3.5081e+00],
[1.3311e+01, 2.1441e-02, 9.9859e-01],
[2.2136e+01, 4.2400e-02, 5.8304e-01],
[4.6957e-01, 2.4091e-04, 5.7302e-02],
[6.5342e+00, 1.4779e-02, 4.3270e-01],
[9.4099e+00, 2.8865e-02, 6.1054e-01],
[4.3168e+00, 6.8950e-03, 5.4225e-01],
[1.5266e-01, 1.7360e-05, 2.1535e-02],
[8.9947e-01, 3.3802e-04, 8.5213e-02],

```

[5.4151e+01, 1.9777e-01, 1.6015e+00],  
 [1.0512e+00, 7.8282e-04, 1.1167e-01],  
 [3.2684e-01, 4.3869e-05, 3.9675e-02],  
 [2.0103e+00, 2.1577e-04, 1.3532e-01],  
 [4.6490e+01, 3.9292e-01, 1.6818e+00],  
 [8.1050e-02, 2.2052e-06, 1.1927e-02],  
 [4.3246e+00, 1.0604e-03, 2.3931e-01],  
 [7.7334e+00, 8.9752e-03, 4.3831e-01],  
 [4.3868e-01, 6.3629e-05, 5.9110e-02],  
 [1.8169e-01, 1.3524e-05, 1.9884e-02],  
 [1.0939e-01, 1.1760e-05, 1.5828e-02],  
 [2.7490e+00, 1.6535e-03, 3.5212e-01],  
 [1.2468e+01, 5.9618e-02, 9.4101e-01],  
 [2.3681e-02, 8.6648e-07, 3.3763e-03],  
 [1.6023e+01, 7.2875e-02, 6.7617e-01],  
 [1.0229e+01, 1.9750e-03, 7.0353e-01],  
 [3.0302e+00, 2.1979e-03, 2.5105e-01],  
 [6.8235e-02, 2.6797e-06, 9.8177e-03],  
 [3.6782e-01, 3.6735e-06, 4.6899e-02],  
 [2.7654e+02, 3.8557e+00, 5.1403e+00],  
 [3.7777e-02, 1.3186e-06, 5.9181e-03],  
 [3.9373e+01, 5.9069e-01, 1.7443e+00],  
 [1.0660e+02, 1.5327e+00, 3.5967e+00],  
 [8.6268e+00, 1.7875e-02, 4.4687e-01],  
 [5.4105e+01, 1.6425e-01, 1.8524e+00],  
 [4.3314e-02, 3.9737e-07, 6.0454e-03],  
 [8.2499e-02, 4.8446e-06, 1.2180e-02],  
 [2.0567e+00, 1.7004e-03, 2.1219e-01],  
 [7.2314e-01, 1.0236e-05, 6.4134e-02],  
 [2.7383e-03, 2.2410e-09, 4.3335e-04],  
 [3.3711e-01, 8.6673e-05, 3.5353e-02],  
 [1.7603e+01, 4.0505e-02, 5.8857e-01],  
 [4.3289e+00, 1.3252e-03, 4.4202e-01],  
 [6.6213e+01, 9.5949e-02, 2.0988e+00],  
 [3.4570e+00, 3.6615e-03, 1.9665e-01],  
 [3.7781e+01, 1.2042e-01, 7.9621e-01],  
 [7.6736e+01, 5.0403e-01, 2.4071e+00],  
 [4.6070e-01, 1.0036e-05, 4.1583e-02],  
 [2.3974e-02, 5.1849e-07, 3.4461e-03],  
 [4.8907e+00, 7.2809e-03, 2.8990e-01],  
 [4.1708e+00, 7.3093e-03, 3.1686e-01],  
 [3.3910e+01, 2.3535e-01, 1.0179e+00],  
 [2.9446e+01, 2.6210e-02, 8.3162e-01],  
 [6.5876e+00, 1.2318e-02, 4.1969e-01],  
 [7.6185e+00, 1.1762e-02, 4.3851e-01],  
 [1.0431e+00, 5.2581e-05, 6.6230e-02],  
 [1.0204e+02, 7.3280e-01, 4.0709e+00],  
 [1.9165e-01, 1.3892e-05, 2.0006e-02],



[5.1428e+01, 4.6076e-01, 1.8282e+00],  
 [7.6208e-01, 1.0495e-05, 5.2893e-02],  
 [2.5337e-03, 6.9790e-09, 4.0796e-04],  
 [1.5543e+01, 3.8103e-02, 6.1984e-01],  
 [1.2625e+02, 2.3012e+00, 3.4306e+00],  
 [2.3268e+02, 4.7888e+00, 4.8472e+00],  
 [7.5962e+01, 6.9319e-01, 1.4796e+00],  
 [2.7874e+01, 7.7906e-02, 9.4954e-01],  
 [3.1734e+01, 1.8544e-01, 1.6228e+00],  
 [4.9054e+01, 2.4887e-01, 1.5706e+00],  
 [2.0451e+02, 5.5350e+00, 3.9924e+00],  
 [1.3244e+01, 3.3463e-03, 4.5402e-01],  
 [1.5870e+01, 1.9531e-02, 1.0880e+00],  
 [4.8933e-02, 8.1945e-07, 6.5714e-03],  
 [7.6641e+00, 4.9398e-03, 6.0418e-01],  
 [3.7766e+00, 2.7943e-03, 2.6077e-01],  
 [2.1827e-02, 4.2770e-07, 3.1718e-03],  
 [5.7474e+01, 2.2513e-01, 2.2639e+00],  
 [6.6589e+01, 9.6400e-01, 3.1800e+00],  
 [2.1452e+00, 3.9099e-04, 2.9128e-01],  
 [3.4660e+00, 5.0146e-04, 3.0119e-01],  
 [6.2484e+01, 3.1816e-01, 2.0445e+00],  
 [1.0083e+01, 5.7885e-02, 6.4223e-01],  
 [2.3954e+01, 2.3195e-02, 1.1660e+00],  
 [1.3163e+01, 2.5316e-02, 7.2765e-01],  
 [2.1684e+01, 3.1220e-02, 1.3785e+00],  
 [4.8135e+01, 2.6867e-01, 1.5297e+00],  
 [1.1989e+01, 1.3242e-02, 5.7844e-01],  
 [1.4784e+01, 5.1103e-02, 6.2286e-01],  
 [6.9847e-01, 1.5184e-04, 6.8868e-02],  
 [8.2516e+00, 3.9400e-02, 8.4873e-01],  
 [1.3071e+00, 3.1165e-04, 1.1357e-01],  
 [4.7395e+01, 3.0804e-01, 1.5392e+00],  
 [8.1265e-01, 2.7502e-04, 8.0540e-02],  
 [1.3730e+01, 2.1240e-02, 6.4476e-01],  
 [3.4078e+00, 1.0391e-03, 2.4762e-01],  
 [1.1307e+02, 2.7162e+00, 2.3770e+00],  
 [2.9554e+00, 1.3888e-03, 1.7616e-01],  
 [5.3570e+00, 4.6778e-03, 3.4865e-01],  
 [4.7257e-01, 4.8301e-05, 5.5547e-02],  
 [5.1859e-01, 6.8031e-06, 4.1938e-02],  
 [2.2366e-01, 1.1723e-05, 2.5801e-02],  
 [5.8175e-01, 1.0458e-04, 6.4566e-02],  
 [3.1745e+01, 6.8981e-02, 1.3623e+00],  
 [1.1286e+00, 1.3736e-04, 1.5714e-01],  
 [3.7204e+00, 6.3999e-04, 4.8617e-01],  
 [1.8337e-02, 3.0709e-07, 2.7590e-03],  
 [5.8749e-02, 4.0636e-07, 8.6078e-03],

[4.3123e-01, 3.4528e-05, 3.3679e-02],  
 [1.0677e+00, 3.9231e-04, 9.6349e-02],  
 [3.3401e+00, 3.0361e-03, 1.8670e-01],  
 [1.9575e+01, 8.6348e-02, 9.3984e-01],  
 [1.2636e+02, 5.5736e-01, 3.1968e+00],  
 [5.9542e-01, 3.0079e-05, 5.1117e-02],  
 [9.1662e+00, 1.7268e-02, 4.1224e-01],  
 [3.9028e-01, 7.2580e-05, 4.2843e-02],  
 [2.5219e-02, 1.5459e-07, 3.5212e-03],  
 [4.4205e+00, 4.7747e-03, 3.2113e-01],  
 [1.2452e+01, 7.7964e-02, 1.2354e+00],  
 [2.2880e-01, 5.6756e-06, 3.1394e-02],  
 [3.5427e-01, 1.8924e-05, 3.4650e-02],  
 [1.8693e+02, 2.6869e+00, 3.8435e+00],  
 [1.7745e+01, 6.3516e-02, 7.9021e-01],  
 [2.5306e+00, 6.2270e-04, 2.2312e-01],  
 [3.9303e+01, 3.7225e-02, 1.1805e+00],  
 [6.2522e+01, 7.9193e-01, 2.3632e+00],  
 [5.6984e+01, 3.5241e-01, 1.3736e+00],  
 [9.4780e-02, 1.8741e-06, 1.1028e-02],  
 [1.6380e+02, 1.9562e+00, 4.1282e+00],  
 [1.3210e+00, 1.9654e-03, 1.7763e-01],  
 [2.3973e+01, 1.1263e-01, 9.5396e-01],  
 [1.8877e+00, 1.5374e-03, 1.8867e-01],  
 [9.7853e+01, 1.7669e+00, 2.1796e+00],  
 [2.7851e+00, 3.0429e-03, 2.5322e-01],  
 [3.5542e-02, 3.9510e-07, 5.1359e-03],  
 [2.8114e-03, 1.9561e-09, 4.5108e-04],  
 [1.6318e+01, 8.4162e-02, 1.4044e+00],  
 [2.4328e-03, 3.1760e-09, 3.9139e-04],  
 [5.3012e+01, 5.8954e-01, 2.6293e+00],  
 [4.3484e+00, 3.0132e-04, 2.1790e-01],  
 [9.0610e+00, 8.9200e-03, 3.1787e-01],  
 [9.5330e-02, 3.1557e-06, 1.2855e-02],  
 [4.8095e+01, 1.2595e-01, 2.0791e+00],  
 [2.4481e+02, 8.1658e+00, 4.7708e+00],  
 [9.3723e+01, 1.9014e+00, 3.0067e+00],  
 [1.6081e+01, 5.8545e-02, 1.1227e+00],  
 [1.4660e+02, 4.7524e+00, 3.8335e+00],  
 [3.9085e+01, 2.4912e-01, 1.7084e+00],  
 [4.8765e-01, 8.3481e-05, 6.3751e-02],  
 [1.6462e-01, 2.8398e-05, 2.4185e-02],  
 [1.9449e+01, 7.7129e-02, 1.6865e+00],  
 [3.1656e+00, 3.9679e-03, 3.4291e-01],  
 [5.6668e-01, 1.5122e-04, 4.6201e-02],  
 [3.2333e-02, 1.4935e-06, 4.5289e-03],  
 [1.1467e+02, 1.2088e+00, 1.9380e+00],  
 [5.7217e+01, 2.9469e-01, 3.1235e+00],

[3.7261e+01, 1.5347e-01, 9.1963e-01],  
 [3.3893e+01, 1.9936e-01, 1.3216e+00],  
 [1.7064e+02, 6.1355e+00, 4.1182e+00],  
 [1.5542e+01, 5.0065e-02, 6.6548e-01],  
 [8.6541e+01, 4.0258e-02, 2.1267e+00],  
 [4.0756e-01, 2.3163e-05, 4.6241e-02],  
 [2.1787e-02, 4.4531e-08, 3.0972e-03],  
 [2.6164e+01, 7.8464e-02, 9.8580e-01],  
 [1.0678e+02, 3.6322e-01, 3.4970e+00],  
 [1.4558e+02, 3.5385e-01, 3.5439e+00],  
 [5.0498e+01, 4.6387e-02, 1.7393e+00],  
 [2.5869e-02, 1.5655e-07, 3.7416e-03],  
 [2.2141e+02, 2.4519e+00, 4.4651e+00],  
 [1.0182e+01, 1.6558e-02, 6.9695e-01],  
 [8.1763e+01, 2.3837e+00, 3.9450e+00],  
 [7.3979e-02, 2.0467e-06, 1.0140e-02],  
 [1.5142e+01, 2.8365e-02, 6.4259e-01],  
 [2.2390e-01, 4.4833e-05, 2.7467e-02],  
 [2.1321e+00, 1.4018e-03, 1.5622e-01],  
 [9.7948e-01, 1.6879e-04, 9.8306e-02],  
 [8.4689e+01, 7.0472e-01, 2.9124e+00],  
 [3.5919e+01, 2.8721e-01, 1.3785e+00],  
 [9.9057e-01, 9.7647e-05, 6.9872e-02],  
 [4.2097e+01, 2.7482e-01, 1.0467e+00],  
 [1.2361e+02, 1.5358e+00, 4.2941e+00],  
 [2.1032e+00, 4.7056e-04, 2.2377e-01],  
 [2.2621e+01, 2.3936e-02, 9.2687e-01],  
 [8.0608e+01, 2.7129e-01, 3.9993e+00],  
 [5.3008e+00, 4.3424e-03, 2.7946e-01],  
 [1.0018e+02, 1.6799e+00, 3.7383e+00],  
 [2.1058e+00, 9.0450e-04, 1.4505e-01],  
 [4.3444e+00, 1.4227e-02, 3.9194e-01],  
 [1.1184e+00, 8.8093e-06, 9.4560e-02],  
 [1.6702e+01, 3.1900e-02, 6.5044e-01],  
 [2.2818e-01, 5.7837e-06, 2.8817e-02],  
 [1.5059e-01, 2.4941e-06, 1.7788e-02],  
 [8.4194e-01, 1.1001e-04, 9.1896e-02],  
 [1.3505e-01, 6.2245e-06, 1.4537e-02],  
 [5.1895e-01, 3.3885e-05, 5.6968e-02],  
 [3.7622e+01, 3.3834e-01, 2.5508e+00],  
 [4.8747e+00, 1.4227e-03, 2.0820e-01],  
 [3.1774e+00, 2.8875e-03, 2.2825e-01],  
 [6.0406e+01, 5.9483e-01, 2.3659e+00],  
 [7.2633e+00, 9.8959e-03, 4.2111e-01],  
 [3.0633e+00, 1.3604e-03, 1.5882e-01],  
 [3.0390e+01, 5.8971e-02, 8.9869e-01],  
 [4.5103e-02, 2.1177e-06, 6.9618e-03],  
 [3.0375e+00, 1.3103e-04, 1.6777e-01],

[8.0214e+01, 1.2150e+00, 3.7980e+00],  
 [7.6794e-01, 3.3777e-04, 8.7675e-02],  
 [3.6512e-01, 7.9173e-05, 3.4566e-02],  
 [7.3959e-01, 1.6812e-04, 9.0895e-02],  
 [9.7931e-01, 8.3262e-05, 7.7341e-02],  
 [3.6957e+00, 4.7405e-03, 2.8498e-01],  
 [2.0614e-01, 2.3872e-06, 2.1817e-02],  
 [3.6914e+00, 1.3679e-04, 1.5711e-01],  
 [6.9929e+01, 6.6677e-01, 2.2935e+00],  
 [2.1078e+01, 1.8145e-02, 1.7338e+00],  
 [1.0860e-01, 3.6588e-06, 1.3041e-02],  
 [1.8781e+01, 1.9602e-01, 1.5651e+00],  
 [1.0361e+02, 8.2199e-02, 2.8481e+00],  
 [1.4403e+01, 7.6540e-03, 4.5174e-01],  
 [4.8719e+01, 6.2337e-01, 1.3060e+00],  
 [3.2460e-01, 5.5583e-05, 3.9139e-02],  
 [1.8556e+02, 6.0321e+00, 4.4112e+00],  
 [1.4736e+00, 6.6260e-04, 9.7286e-02],  
 [1.1321e+02, 2.3812e+00, 2.7651e+00],  
 [3.6096e+01, 1.3568e-01, 8.0906e-01],  
 [4.7493e-02, 1.2806e-06, 7.1242e-03],  
 [5.3730e+01, 6.7101e-01, 1.6387e+00],  
 [2.1657e+02, 7.4656e-01, 4.8553e+00],  
 [6.3669e+01, 2.6485e-02, 2.7241e+00],  
 [1.3215e+01, 2.0174e-02, 8.9452e-01],  
 [6.9986e+00, 3.0894e-03, 4.6785e-01],  
 [2.0681e+01, 2.4852e-02, 7.8481e-01],  
 [1.8632e+00, 6.0431e-04, 1.8208e-01],  
 [1.4688e+01, 5.4471e-02, 1.4451e+00],  
 [3.4701e+00, 4.8313e-03, 2.5308e-01],  
 [1.7376e+00, 8.1501e-04, 1.6052e-01],  
 [5.0424e-01, 1.0913e-04, 4.9536e-02],  
 [1.5410e+02, 3.2557e+00, 3.3482e+00],  
 [1.5226e+00, 1.1168e-03, 1.2542e-01],  
 [9.8735e-01, 6.3562e-04, 9.0433e-02],  
 [7.5164e+01, 6.8898e-01, 2.3557e+00],  
 [4.1705e+01, 2.5945e-01, 2.0750e+00],  
 [4.4563e+00, 5.4167e-03, 3.4201e-01],  
 [1.8750e+01, 1.9545e-02, 6.8440e-01],  
 [3.3305e+00, 2.6153e-03, 2.8230e-01],  
 [2.9791e+01, 3.2853e-01, 2.0671e+00],  
 [4.8338e+01, 2.7482e-01, 1.4417e+00],  
 [6.2228e+01, 2.8768e-01, 2.2339e+00],  
 [1.3827e+02, 2.2761e+00, 2.7426e+00],  
 [4.1696e+00, 5.3335e-03, 2.8976e-01],  
 [2.8002e+01, 1.2786e-01, 1.7195e+00],  
 [2.1460e+01, 2.7221e-02, 1.6252e+00],  
 [2.0914e+00, 6.9985e-04, 1.7131e-01],

```

[4.0139e+01, 4.3395e-01, 2.3210e+00],
[1.2619e+00, 2.2404e-04, 1.0994e-01],
[1.8665e-02, 1.9958e-07, 2.7745e-03],
[1.5662e+00, 7.4834e-04, 1.2960e-01],
[2.3621e-02, 8.2508e-07, 3.6078e-03],
[1.4701e+01, 3.5276e-02, 9.2504e-01],
[5.5412e+00, 1.1357e-02, 3.6964e-01],
[8.1492e+01, 4.3738e-01, 3.2190e+00],
[8.9398e-03, 1.3708e-08, 1.3652e-03],
[1.4876e+02, 5.0140e+00, 3.4547e+00],
[3.9963e+00, 1.0756e-03, 2.2138e-01],
[6.3879e-01, 4.7251e-04, 7.8749e-02],
[5.0570e+01, 6.6089e-02, 2.5610e+00],
[1.0403e+00, 1.7789e-04, 9.1334e-02],
[2.6346e+01, 6.3363e-02, 1.7774e+00],
[5.0090e-01, 5.4564e-05, 3.5880e-02],
[2.5080e+01, 3.5031e-02, 1.3600e+00],
[1.1352e+02, 8.8777e-01, 3.3251e+00],
[1.1157e+01, 3.2583e-02, 7.0058e-01],
[1.1621e-01, 5.8613e-06, 1.5510e-02],
[1.7535e-01, 9.6758e-06, 2.1665e-02],
[5.2458e-01, 3.8852e-05, 7.3455e-02],
[8.5475e+00, 1.0225e-02, 4.3875e-01],
[1.6650e+00, 1.7269e-04, 1.6264e-01],
[7.5720e-01, 1.2800e-04, 8.4585e-02],
[3.1016e+01, 3.5533e-01, 1.5109e+00],
[6.5767e+01, 1.4184e+00, 2.5631e+00],
[1.1383e+01, 7.1885e-02, 6.4972e-01],
[1.3173e+01, 4.4481e-02, 5.2518e-01],
[4.3248e-01, 9.0368e-05, 3.7828e-02],
[5.3607e+00, 3.7874e-03, 3.9098e-01],
[4.1445e+00, 8.8379e-03, 3.3465e-01],
[5.7255e+01, 1.5518e-01, 1.9733e+00],
[8.5964e-01, 4.7279e-05, 8.5267e-02],
[2.8032e+01, 2.4550e-01, 1.1467e+00],
[4.7042e+00, 1.1401e-03, 4.5922e-01],
[2.7188e-01, 4.2050e-05, 2.9070e-02],
[6.0013e-02, 3.5135e-07, 7.9582e-03],
[6.4613e-02, 4.1132e-07, 9.0791e-03],
[3.8453e-01, 6.8182e-05, 4.4488e-02],
[2.3966e+01, 9.4307e-02, 7.8596e-01],
[1.1132e+02, 2.4784e-01, 3.0342e+00],
[9.2306e+01, 1.6381e+00, 3.2302e+00],
[2.6585e-03, 2.0859e-09, 4.3318e-04]], dtype=torch.float64)

```

Iteration: 16

```

Inputs: tensor([[1.6267e+20, 4.7049e+02, 5.0978e-01, 8.3244e+00],
               [5.7759e+20, 2.2388e+02, 1.7165e+01, 5.6361e+00],
               [4.6293e+18, 4.8842e+02, 1.7026e+01, 6.1970e+00],

```

```

...,
[1.0039e+20, 6.9113e+01, 1.3945e+01, 5.4023e+00],
[3.4140e+18, 1.2045e+02, 8.6595e+00, 3.7955e+00],
[3.5931e+19, 5.2389e+01, 1.0891e+01, 4.8728e+00]], dtype=torch.float64)
Target: tensor([[1.2315e+02, 1.2512e+00, 1.9570e+00],
[7.6874e+01, 1.1326e+00, 3.2632e+00],
[1.3052e+00, 4.8410e-04, 1.0171e-01],
[2.0564e+01, 1.2109e-01, 1.4904e+00],
[1.1704e+02, 4.0090e-01, 4.0195e+00],
[1.1022e+02, 1.2057e+00, 2.4404e+00],
[2.5252e+00, 1.5759e-03, 1.7251e-01],
[2.8703e+01, 2.9991e-02, 8.6991e-01],
[4.6921e-02, 3.8152e-07, 6.4747e-03],
[3.9897e+01, 6.6685e-02, 1.5847e+00],
[5.7166e+00, 3.9563e-03, 2.4655e-01],
[3.2549e+01, 1.9694e-01, 1.5297e+00],
[6.4276e-01, 3.4326e-05, 6.4919e-02],
[1.5751e-01, 1.2569e-05, 1.8202e-02],
[1.3401e+01, 5.6030e-03, 4.9224e-01],
[4.1790e+01, 2.5868e-01, 1.6423e+00],
[6.4261e+01, 2.3032e-01, 1.2786e+00],
[1.3216e+00, 4.8824e-05, 9.1474e-02],
[5.2341e-01, 3.5135e-05, 7.4341e-02],
[2.9281e-01, 3.1216e-05, 2.6763e-02],
[1.9647e-01, 4.7124e-05, 2.4786e-02],
[3.2581e+00, 3.4259e-03, 2.4923e-01],
[1.5910e+01, 9.5565e-02, 7.1207e-01],
[3.8260e+01, 1.2968e-01, 1.1270e+00],
[2.6427e+01, 1.1947e-01, 1.4776e+00],
[3.1747e+01, 1.1195e-01, 8.7999e-01],
[8.2780e+00, 2.2767e-02, 5.3698e-01],
[2.7426e+00, 7.7027e-04, 1.8663e-01],
[1.0488e+02, 2.4654e+00, 3.7889e+00],
[8.0858e+00, 2.5478e-02, 4.4466e-01],
[3.4416e+01, 7.1236e-01, 2.4998e+00],
[6.9207e+00, 1.0399e-03, 4.5642e-01],
[5.1614e+00, 9.2295e-03, 5.6462e-01],
[6.6766e+00, 1.5379e-02, 7.7041e-01],
[4.1765e-01, 5.3818e-05, 5.3079e-02],
[3.0712e+00, 1.1061e-03, 3.3394e-01],
[5.2839e+00, 1.2610e-03, 3.4253e-01],
[5.2384e-01, 2.5017e-05, 5.3158e-02],
[1.6949e+02, 6.0382e-01, 4.2974e+00],
[1.6618e+02, 6.5790e+00, 4.1045e+00],
[4.6399e+01, 1.7868e-01, 1.7689e+00],
[1.6355e+00, 2.2975e-04, 1.7593e-01],
[1.2098e-01, 2.7336e-06, 1.6689e-02],
[2.0209e+01, 2.3955e-02, 1.0910e+00],

```

[1.0048e+01, 1.0186e-02, 5.0479e-01],  
 [6.7679e-02, 4.0145e-06, 8.3397e-03],  
 [6.7720e+01, 3.9568e-01, 2.0361e+00],  
 [5.3324e+00, 2.5793e-03, 2.1338e-01],  
 [1.0911e+00, 7.2951e-06, 9.0429e-02],  
 [6.1263e-02, 3.6780e-06, 8.2943e-03],  
 [7.2186e+00, 4.5937e-03, 5.9449e-01],  
 [1.8201e+00, 1.4311e-03, 2.1815e-01],  
 [5.2517e+01, 5.1652e-01, 2.2508e+00],  
 [3.6527e-03, 1.2169e-08, 5.8460e-04],  
 [1.6042e-02, 3.2222e-08, 2.4106e-03],  
 [2.5968e-01, 5.4713e-06, 3.0677e-02],  
 [5.6752e-01, 9.4128e-05, 6.0410e-02],  
 [1.0131e+02, 2.2751e+00, 2.7245e+00],  
 [2.8207e+00, 3.7397e-04, 2.2280e-01],  
 [2.3953e-01, 3.2528e-05, 2.4255e-02],  
 [6.2697e-01, 8.0612e-05, 6.7277e-02],  
 [3.9765e-01, 2.2693e-05, 3.5765e-02],  
 [1.1316e-01, 4.3008e-06, 1.6655e-02],  
 [1.2053e+02, 1.1678e+00, 4.1279e+00],  
 [5.8326e+01, 1.8086e-01, 2.8127e+00],  
 [2.1305e+02, 3.2425e+00, 4.6644e+00],  
 [7.0253e+01, 8.4678e-01, 2.0760e+00],  
 [2.3020e+01, 2.6870e-02, 1.1052e+00],  
 [8.8621e+00, 1.0639e-02, 7.9275e-01],  
 [7.8428e+01, 7.1413e-01, 2.7349e+00],  
 [5.0110e-02, 3.4124e-07, 6.7851e-03],  
 [5.9348e-01, 1.3443e-04, 7.4334e-02],  
 [4.3569e+00, 1.5603e-03, 3.3203e-01],  
 [5.4238e+01, 1.3899e-01, 2.1498e+00],  
 [7.5379e-01, 3.0441e-05, 6.7003e-02],  
 [8.7368e-04, 9.9717e-10, 1.4188e-04],  
 [5.2630e+01, 5.7485e-01, 1.4833e+00],  
 [6.7014e+00, 2.5346e-03, 5.3830e-01],  
 [2.2619e-01, 6.8307e-06, 3.0746e-02],  
 [1.4583e+02, 2.8197e-01, 4.7298e+00],  
 [2.2727e+01, 7.4747e-02, 1.0544e+00],  
 [1.8675e+02, 2.4618e+00, 4.1346e+00],  
 [2.6210e+00, 2.3904e-03, 1.9511e-01],  
 [1.8135e-01, 3.0451e-06, 2.4073e-02],  
 [1.0443e+02, 1.8947e+00, 3.0688e+00],  
 [1.7392e+02, 1.9433e+00, 4.6326e+00],  
 [5.3390e+00, 6.7952e-03, 3.8154e-01],  
 [6.1844e+01, 3.4307e-01, 2.8890e+00],  
 [1.2092e+02, 1.2911e+00, 3.7608e+00],  
 [4.9330e+01, 1.6337e-02, 1.5008e+00],  
 [2.1353e+01, 1.1056e-01, 7.9880e-01],  
 [9.1207e+01, 2.1521e+00, 3.4211e+00],

[8.7252e-01, 8.1286e-05, 9.5218e-02],  
[1.0628e+00, 1.2866e-05, 8.1333e-02],  
[5.0292e+01, 2.0331e-01, 1.9177e+00],  
[5.5496e-01, 8.0116e-05, 6.5048e-02],  
[8.2018e-01, 7.8857e-06, 7.0357e-02],  
[7.6461e-02, 2.6382e-06, 9.2029e-03],  
[1.0996e+02, 1.0285e+00, 2.7739e+00],  
[7.8694e-01, 2.1414e-04, 7.5994e-02],  
[1.3609e+01, 8.1928e-03, 7.2210e-01],  
[5.3413e+00, 1.5062e-03, 2.6755e-01],  
[1.5189e+01, 7.5631e-02, 7.2560e-01],  
[1.0442e+01, 2.2230e-02, 6.6482e-01],  
[4.2710e+00, 2.7210e-03, 2.7299e-01],  
[4.8308e+01, 2.6966e-01, 1.4811e+00],  
[8.7808e+01, 5.2853e-01, 2.6449e+00],  
[2.1661e-01, 1.2244e-05, 2.3882e-02],  
[4.4113e+01, 8.7117e-01, 1.9537e+00],  
[1.6352e+02, 4.3947e-01, 3.9738e+00],  
[2.9849e+02, 3.0748e+00, 4.8438e+00],  
[1.9307e+00, 6.0423e-04, 1.1546e-01],  
[6.3155e+00, 7.9046e-03, 5.4006e-01],  
[2.6787e+01, 1.1704e-01, 1.1752e+00],  
[4.0405e-03, 1.7125e-08, 6.2825e-04],  
[1.6600e+01, 5.9551e-02, 8.1879e-01],  
[2.5426e-02, 8.2056e-08, 3.6666e-03],  
[1.1723e+00, 9.0779e-05, 1.0513e-01],  
[1.5875e+00, 5.3182e-04, 1.4919e-01],  
[6.0702e+00, 5.6469e-03, 4.6573e-01],  
[1.0609e+02, 1.1461e+00, 2.0922e+00],  
[9.5291e+01, 2.8143e-02, 2.4382e+00],  
[2.7949e+00, 3.1295e-04, 2.1287e-01],  
[2.2580e+01, 1.6433e-01, 1.5561e+00],  
[6.6437e+01, 1.0036e+00, 1.9737e+00],  
[3.9165e+00, 9.9861e-04, 1.7974e-01],  
[4.7644e-03, 1.7153e-09, 7.5080e-04],  
[1.1651e+01, 2.0209e-02, 4.6308e-01],  
[3.8818e-01, 4.8120e-05, 3.7857e-02],  
[1.4031e-02, 2.2296e-08, 2.0762e-03],  
[5.7147e+00, 8.1568e-03, 5.2175e-01],  
[3.0103e+01, 1.9774e-01, 1.3956e+00],  
[4.3223e+01, 9.0321e-02, 1.0959e+00],  
[4.1879e+01, 7.1445e-01, 2.8854e+00],  
[6.8068e+00, 2.3108e-03, 2.8934e-01],  
[3.4239e+01, 1.0127e-01, 2.0700e+00],  
[6.7974e+00, 5.1329e-03, 2.7690e-01],  
[7.2763e+01, 6.1382e-01, 2.9840e+00],  
[1.9862e+01, 9.4714e-02, 1.5353e+00],  
[3.4001e+01, 4.6788e-01, 1.6741e+00],



[1.0307e-02, 1.0220e-08, 1.6062e-03],  
 [1.9373e+02, 2.3473e+00, 3.8000e+00],  
 [6.7253e+00, 2.7479e-03, 4.8573e-01],  
 [1.1733e+00, 7.2991e-04, 1.0730e-01],  
 [4.4683e-01, 1.9501e-05, 3.1654e-02],  
 [9.4129e+00, 7.9371e-03, 9.6191e-01],  
 [5.4847e+00, 5.7911e-03, 3.4921e-01],  
 [2.5082e+00, 5.3078e-04, 1.1239e-01],  
 [2.5505e+00, 1.4413e-03, 1.5455e-01],  
 [1.6425e+01, 3.7142e-02, 6.8915e-01],  
 [9.8409e+01, 1.2573e+00, 1.8793e+00],  
 [2.4470e-01, 2.0119e-05, 2.6423e-02],  
 [6.3787e+01, 6.0108e-01, 3.6430e+00],  
 [3.7817e+00, 8.8811e-04, 1.7153e-01],  
 [1.4983e+00, 8.3250e-04, 1.1505e-01],  
 [8.2447e-01, 2.4886e-04, 6.9778e-02],  
 [3.3618e+00, 1.7296e-03, 1.6435e-01],  
 [1.3871e-01, 4.3866e-06, 1.5701e-02],  
 [5.4045e-01, 1.3161e-04, 4.9705e-02],  
 [1.4434e-01, 8.1815e-06, 2.0381e-02],  
 [2.8515e+01, 1.2070e-02, 8.0296e-01],  
 [1.5713e+01, 2.2894e-02, 7.1653e-01],  
 [2.4531e-01, 3.8565e-05, 2.6553e-02],  
 [3.1039e-01, 2.5361e-05, 3.6057e-02],  
 [2.7343e-02, 1.2666e-07, 4.1594e-03],  
 [3.6662e-01, 2.6519e-05, 4.4944e-02],  
 [9.4114e-04, 8.1503e-10, 1.5304e-04],  
 [1.7811e+01, 4.2255e-02, 6.8765e-01],  
 [2.5643e+00, 2.6341e-03, 2.5065e-01],  
 [5.3649e+01, 8.5110e-01, 1.5742e+00],  
 [2.8276e+02, 1.8683e+00, 4.7908e+00],  
 [2.8880e+01, 1.1812e-01, 8.4197e-01],  
 [2.6086e+00, 9.4863e-04, 2.4588e-01],  
 [4.6005e+01, 9.2085e-02, 3.0897e+00],  
 [1.8940e-01, 5.9317e-06, 2.4223e-02],  
 [4.1330e-02, 2.1189e-07, 5.9526e-03],  
 [6.2709e+00, 8.5851e-03, 5.0329e-01],  
 [1.1532e+02, 3.0654e+00, 3.1894e+00],  
 [5.6198e+01, 5.6110e-01, 2.9943e+00],  
 [1.2058e+01, 3.0732e-02, 7.2216e-01],  
 [4.6782e-01, 1.1369e-04, 4.7784e-02],  
 [2.1432e+02, 2.3935e+00, 4.2240e+00],  
 [3.3484e-01, 3.0909e-05, 2.7336e-02],  
 [1.5026e+02, 3.1523e+00, 4.3781e+00],  
 [2.6464e-02, 4.0752e-07, 3.8593e-03],  
 [6.1038e+00, 1.8838e-02, 5.5474e-01],  
 [2.1439e-01, 1.1961e-05, 2.6589e-02],  
 [4.0319e-02, 6.8723e-07, 5.8515e-03],

[3.7507e+00, 4.0755e-03, 2.0077e-01],  
 [1.5315e+01, 1.6458e-02, 6.4486e-01],  
 [3.1550e+01, 8.9516e-02, 1.1444e+00],  
 [2.7892e-01, 1.8686e-06, 2.7770e-02],  
 [6.6778e-01, 1.8354e-04, 5.7402e-02],  
 [9.6131e+00, 3.4624e-02, 5.7081e-01],  
 [7.8856e+00, 8.0466e-03, 4.9248e-01],  
 [5.8480e+00, 2.1042e-03, 3.4773e-01],  
 [5.4519e-01, 1.0110e-04, 4.3962e-02],  
 [1.0015e+02, 2.0923e+00, 3.1426e+00],  
 [3.9735e-01, 1.8551e-04, 4.7414e-02],  
 [1.5773e+01, 3.9078e-02, 8.6639e-01],  
 [1.1110e+02, 4.7673e-01, 4.3344e+00],  
 [4.7433e+01, 2.8012e-01, 1.1615e+00],  
 [4.4437e-01, 1.5825e-04, 5.0104e-02],  
 [1.1566e+00, 4.0325e-04, 9.1786e-02],  
 [4.7653e-01, 1.6069e-04, 5.5144e-02],  
 [1.5792e+02, 3.5787e+00, 4.0004e+00],  
 [1.7942e+01, 1.6075e-02, 1.1024e+00],  
 [1.9871e+00, 3.2186e-03, 2.5948e-01],  
 [1.1879e+01, 4.3282e-03, 4.0773e-01],  
 [1.1899e+02, 1.2536e+00, 3.4995e+00],  
 [1.3947e+02, 3.2838e+00, 3.1038e+00],  
 [2.8157e+01, 6.4257e-02, 1.4888e+00],  
 [7.9695e+01, 1.3484e+00, 2.5444e+00],  
 [2.3215e+02, 2.8084e+00, 4.6057e+00],  
 [6.2857e+00, 5.4994e-03, 5.9187e-01],  
 [9.5156e-01, 1.7248e-04, 9.2947e-02],  
 [9.4171e+01, 1.4803e+00, 3.5487e+00],  
 [4.9717e-01, 1.7935e-05, 6.3915e-02],  
 [4.2355e-02, 4.8024e-07, 5.8003e-03],  
 [1.1810e-03, 2.3632e-09, 1.9025e-04],  
 [5.6041e-01, 2.4469e-05, 3.8826e-02],  
 [6.3231e+00, 9.4975e-03, 4.4486e-01],  
 [1.2927e+02, 3.7952e+00, 3.1246e+00],  
 [8.8794e+00, 3.3375e-02, 6.8430e-01],  
 [1.1307e+01, 3.9760e-02, 8.3667e-01],  
 [7.2909e+01, 7.8211e-01, 1.8770e+00],  
 [1.8565e+01, 1.5391e-01, 1.7892e+00],  
 [5.0655e-01, 2.0750e-05, 6.6153e-02],  
 [2.0323e-01, 8.9925e-06, 2.1996e-02],  
 [5.6291e+01, 1.4060e-01, 1.6066e+00],  
 [7.9041e-01, 1.5406e-04, 6.4398e-02],  
 [6.2245e-02, 2.2783e-06, 8.0311e-03],  
 [1.5179e+02, 1.9191e+00, 3.5558e+00],  
 [5.3227e-02, 3.9833e-07, 7.9697e-03],  
 [7.1959e+00, 8.5189e-03, 3.5371e-01],  
 [2.8527e+00, 6.1282e-04, 2.0528e-01],

[1.0856e+01, 8.4255e-04, 4.9647e-01],  
 [3.1439e+00, 3.2733e-03, 3.0774e-01],  
 [5.2295e+01, 1.2328e-01, 2.3772e+00],  
 [5.0969e+01, 6.2087e-01, 1.5387e+00],  
 [4.9764e-02, 1.1176e-06, 7.2861e-03],  
 [6.1375e+00, 6.3905e-03, 5.1973e-01],  
 [2.4626e+02, 1.1171e+00, 4.4192e+00],  
 [1.4746e+00, 5.4676e-04, 9.9357e-02],  
 [9.0093e+00, 8.3692e-03, 7.0999e-01],  
 [1.9046e-01, 4.4954e-06, 2.6410e-02],  
 [7.0546e+00, 8.6869e-03, 3.5738e-01],  
 [9.2423e+01, 1.5630e+00, 2.7238e+00],  
 [2.0339e-01, 2.7359e-05, 2.9715e-02],  
 [2.2454e-02, 5.4901e-08, 3.3000e-03],  
 [6.9218e-02, 2.0450e-06, 9.2126e-03],  
 [5.5226e-03, 4.2391e-08, 8.6803e-04],  
 [2.7345e+01, 2.7531e-01, 9.8368e-01],  
 [1.6996e+01, 2.9609e-02, 6.7756e-01],  
 [2.9846e+01, 7.1680e-03, 8.7686e-01],  
 [1.7444e+02, 1.1674e-01, 4.6787e+00],  
 [4.0225e-01, 3.9904e-05, 5.2871e-02],  
 [1.4875e-01, 1.0477e-05, 1.8514e-02],  
 [8.5212e-01, 1.1409e-04, 6.7029e-02],  
 [1.0433e+01, 9.9059e-03, 3.8806e-01],  
 [6.2298e+01, 5.6607e-01, 1.8973e+00],  
 [2.1983e+00, 8.7909e-05, 1.1837e-01],  
 [7.3883e-02, 8.2464e-07, 9.1819e-03],  
 [2.0288e-01, 1.8884e-05, 2.1543e-02],  
 [4.4194e-03, 2.0383e-08, 6.8580e-04],  
 [1.7458e+01, 6.9720e-03, 8.9594e-01],  
 [1.3370e+00, 1.3807e-04, 9.2920e-02],  
 [7.5566e-01, 2.8334e-05, 5.6681e-02],  
 [1.8178e-02, 4.3696e-08, 2.6701e-03],  
 [2.1202e+02, 1.7055e-01, 3.5851e+00],  
 [8.7743e-01, 7.0091e-05, 6.7315e-02],  
 [5.5256e+01, 6.1272e-01, 2.0510e+00],  
 [8.5615e-02, 1.9508e-06, 1.2148e-02],  
 [1.2971e+02, 7.6941e-01, 3.2429e+00],  
 [3.0156e-01, 4.8251e-05, 3.3921e-02],  
 [3.4837e+01, 1.2908e-01, 1.8305e+00],  
 [2.0988e-01, 9.1850e-06, 2.3679e-02],  
 [1.3665e+01, 7.8915e-03, 8.4918e-01],  
 [8.4229e-02, 1.0948e-06, 1.2027e-02],  
 [3.9177e+00, 3.2348e-03, 4.5801e-01],  
 [7.9001e-01, 4.1008e-05, 6.2891e-02],  
 [2.8875e+00, 3.0996e-03, 2.3772e-01],  
 [3.3155e+00, 5.9894e-03, 4.4209e-01],  
 [4.9926e-01, 9.2062e-05, 4.7646e-02],

```

[1.3099e-01, 2.2927e-06, 1.6530e-02],
[5.0756e+00, 2.6068e-03, 2.9557e-01],
[8.0790e+01, 1.4326e+00, 1.9732e+00],
[2.0307e-01, 2.6550e-05, 2.4706e-02],
[2.7609e+00, 1.1714e-03, 2.2532e-01],
[9.5421e-01, 6.3495e-04, 1.1063e-01],
[1.0389e+02, 2.2160e+00, 3.1751e+00],
[1.3866e+02, 4.0390e+00, 3.4392e+00],
[1.2787e+02, 1.3022e+00, 2.8869e+00],
[9.5047e+01, 3.4894e+00, 4.1991e+00],
[6.5213e+01, 1.1030e-01, 1.5294e+00],
[1.7165e+01, 1.3189e-01, 7.3636e-01],
[9.3113e+00, 1.7410e-02, 4.2259e-01],
[9.4971e+01, 1.6098e+00, 2.4511e+00],
[2.4934e+00, 2.1724e-03, 2.0394e-01],
[2.2011e+01, 1.1576e-01, 1.7439e+00],
[7.9677e-02, 9.9568e-07, 1.1852e-02],
[4.4841e+01, 5.9347e-01, 2.2893e+00],
[6.4449e+01, 1.4138e-01, 2.0711e+00],
[6.8680e+01, 1.2328e+00, 2.9094e+00],
[2.7668e+00, 3.4760e-04, 2.5103e-01],
[1.0153e+01, 7.7295e-03, 4.8212e-01],
[1.3055e+02, 1.1362e+00, 3.7352e+00],
[1.2115e+00, 4.0082e-04, 9.5613e-02],
[3.8035e+00, 4.5299e-04, 2.6866e-01],
[2.5479e-02, 2.2705e-08, 3.5878e-03],
[6.2490e+00, 1.6130e-03, 5.2238e-01],
[8.6430e-03, 5.6043e-08, 1.3652e-03],
[7.0105e+00, 1.1014e-02, 7.4447e-01],
[3.1621e+00, 9.1312e-03, 3.6737e-01],
[1.0022e-02, 2.5870e-08, 1.5073e-03],
[3.5344e-01, 5.7197e-05, 3.7817e-02],
[3.1270e-01, 1.6633e-05, 3.8675e-02],
[5.0883e+00, 1.1790e-02, 5.0142e-01],
[9.6819e-02, 2.2595e-06, 1.3074e-02],
[1.0698e+00, 5.2790e-04, 1.3040e-01]], dtype=torch.float64)
Iteration: 17
Inputs: tensor([[2.0710e+20, 1.6600e+02, 5.3732e+00, 9.2127e+00],
               [7.4653e+19, 3.8323e+02, 1.1160e+01, 5.5956e+00],
               [2.3253e+18, 1.0348e+02, 6.8360e-01, 8.2239e+00],
               ...,
               [9.7571e+19, 4.9076e+02, 1.9442e+01, 8.6123e+00],
               [9.5870e+19, 4.8193e+02, 9.2405e+00, 5.2918e+00],
               [4.6412e+19, 1.8007e+02, 1.6762e+01, 9.8136e+00]]), dtype=torch.float64)
Target: tensor([[6.0250e+01, 6.6331e-01, 2.0269e+00],
               [3.3791e+01, 1.5254e-01, 1.1378e+00],
               [2.6795e-01, 1.7480e-05, 2.8977e-02],
               [1.3141e-01, 9.5358e-06, 1.8745e-02],

```

[5.0629e+00, 8.5298e-04, 2.9186e-01],  
 [5.6884e+01, 7.0484e-01, 1.4137e+00],  
 [2.1582e+01, 5.0503e-03, 8.0325e-01],  
 [1.3175e+02, 1.0847e+00, 3.3806e+00],  
 [9.7831e-01, 4.6977e-05, 1.0967e-01],  
 [3.5229e+02, 1.6292e+01, 5.1360e+00],  
 [4.0144e+01, 3.6123e-01, 1.0917e+00],  
 [7.8198e-01, 3.1032e-04, 7.4856e-02],  
 [8.3919e+00, 1.1074e-02, 7.9832e-01],  
 [3.1494e+00, 1.8113e-03, 2.5310e-01],  
 [7.5798e+01, 1.0775e+00, 3.3890e+00],  
 [6.7328e+00, 2.9656e-03, 6.4959e-01],  
 [2.0681e-01, 8.8221e-06, 2.0944e-02],  
 [1.4003e+01, 6.0989e-02, 1.0613e+00],  
 [2.4509e+01, 1.1432e-01, 1.8164e+00],  
 [7.3434e-02, 5.5254e-06, 1.0157e-02],  
 [4.2536e-01, 2.8135e-04, 5.5575e-02],  
 [8.3076e+00, 4.5273e-02, 5.9588e-01],  
 [4.9780e+01, 3.4817e-01, 1.5799e+00],  
 [1.9620e+00, 1.0108e-03, 1.4278e-01],  
 [2.5757e+00, 4.5087e-03, 2.3349e-01],  
 [4.0730e-01, 3.6136e-05, 4.6914e-02],  
 [7.0637e-02, 1.0145e-06, 9.3128e-03],  
 [1.3020e+01, 1.1971e-03, 4.7725e-01],  
 [4.3368e-01, 7.9556e-05, 4.2370e-02],  
 [2.0308e+02, 2.3684e+00, 4.3079e+00],  
 [2.7356e+01, 2.2427e-01, 9.7705e-01],  
 [7.6479e+00, 5.7871e-03, 4.1809e-01],  
 [4.6568e-01, 1.1965e-04, 5.4437e-02],  
 [2.5448e+01, 2.6970e-01, 2.0523e+00],  
 [1.9964e-01, 1.1067e-05, 2.8708e-02],  
 [1.9132e+02, 1.9174e+00, 4.0599e+00],  
 [1.9791e+00, 8.8539e-04, 1.3187e-01],  
 [1.0277e+00, 1.8372e-04, 5.8162e-02],  
 [1.7458e+00, 6.2803e-04, 1.3146e-01],  
 [5.0395e-02, 7.4420e-07, 7.1879e-03],  
 [6.3523e+01, 3.5143e-01, 1.6321e+00],  
 [2.4987e-02, 5.4144e-07, 3.6679e-03],  
 [5.1299e-01, 1.5722e-04, 7.4717e-02],  
 [1.5244e+02, 3.2223e+00, 2.5763e+00],  
 [2.0611e-01, 1.1344e-05, 2.5352e-02],  
 [1.1351e+00, 3.6061e-04, 7.8327e-02],  
 [6.8907e+01, 4.2730e-01, 3.5091e+00],  
 [1.4986e+02, 2.2632e+00, 2.7884e+00],  
 [4.4742e+01, 4.1601e-01, 1.5712e+00],  
 [2.9447e+01, 2.0418e-01, 1.1596e+00],  
 [2.4821e+01, 1.2416e-01, 1.8873e+00],  
 [1.6197e+01, 2.3213e-02, 5.7973e-01],

[1.6351e+02, 3.4349e+00, 4.8159e+00],  
 [2.9659e-01, 2.4659e-05, 3.3864e-02],  
 [1.7737e+00, 1.0603e-04, 1.7105e-01],  
 [1.9200e+00, 2.2442e-04, 2.0342e-01],  
 [7.7501e-01, 2.2856e-04, 7.1950e-02],  
 [3.4478e+00, 6.9469e-03, 3.2918e-01],  
 [1.5683e-01, 7.4222e-07, 1.9724e-02],  
 [8.2532e-01, 2.3211e-04, 6.6853e-02],  
 [3.7334e+00, 9.1471e-04, 3.0472e-01],  
 [8.6768e+00, 1.2569e-02, 7.4753e-01],  
 [1.0099e+00, 5.2017e-04, 8.3719e-02],  
 [6.6691e+00, 2.4581e-02, 4.5179e-01],  
 [5.5515e-01, 2.2041e-04, 5.8591e-02],  
 [8.8826e-01, 1.3573e-04, 1.1039e-01],  
 [2.2605e-01, 1.5436e-05, 2.9934e-02],  
 [2.6007e-01, 2.1083e-05, 2.7749e-02],  
 [2.1095e-02, 9.1472e-08, 3.2285e-03],  
 [1.1685e+01, 3.5444e-02, 8.1046e-01],  
 [1.8771e+02, 5.4872e+00, 4.4802e+00],  
 [7.9963e+01, 8.3205e-01, 2.5484e+00],  
 [5.5217e+01, 2.8927e-02, 3.2607e+00],  
 [2.0032e+00, 4.8983e-04, 1.8381e-01],  
 [3.6872e+01, 5.6595e-02, 1.8144e+00],  
 [3.4532e-02, 1.9788e-07, 4.9761e-03],  
 [8.4815e+01, 7.4197e-01, 3.1119e+00],  
 [1.0294e-01, 2.6727e-06, 1.4743e-02],  
 [4.5675e-01, 2.2736e-04, 6.2097e-02],  
 [2.9570e+01, 6.7619e-02, 1.2187e+00],  
 [1.7168e+02, 2.2243e+00, 4.7733e+00],  
 [1.5832e+00, 1.7524e-04, 1.2855e-01],  
 [2.8359e-03, 3.9214e-09, 4.4815e-04],  
 [2.5121e+00, 5.2504e-04, 1.8953e-01],  
 [3.4698e+00, 1.4713e-03, 1.9958e-01],  
 [1.6874e+00, 4.8625e-04, 1.0126e-01],  
 [1.2354e-01, 5.4921e-06, 1.8989e-02],  
 [4.0769e+00, 1.4619e-03, 3.6350e-01],  
 [8.9392e+00, 8.8980e-03, 3.0575e-01],  
 [1.0139e+01, 1.2630e-02, 4.3086e-01],  
 [1.0043e+01, 3.5777e-02, 8.0393e-01],  
 [7.6914e-02, 4.1582e-06, 1.0928e-02],  
 [9.3692e+00, 1.6285e-03, 5.6256e-01],  
 [4.2153e-02, 3.9640e-07, 5.8491e-03],  
 [3.7581e+01, 1.9967e-01, 1.9463e+00],  
 [8.8221e+01, 1.3978e+00, 2.0643e+00],  
 [1.0026e+01, 1.4559e-02, 8.8040e-01],  
 [1.2713e+01, 3.1995e-02, 6.8164e-01],  
 [7.4557e+01, 3.4441e-01, 2.4549e+00],  
 [1.0546e+00, 2.6999e-04, 8.2564e-02],

[1.9104e+01, 1.2072e-02, 1.0149e+00],  
 [4.7784e-02, 3.3627e-06, 7.2300e-03],  
 [4.6861e+01, 7.7148e-01, 2.9488e+00],  
 [4.1854e+01, 1.2056e-01, 8.7412e-01],  
 [1.9508e+01, 4.4158e-02, 6.6423e-01],  
 [4.7483e+01, 5.8407e-01, 1.2112e+00],  
 [1.1787e-01, 6.9279e-06, 1.3049e-02],  
 [3.0739e+01, 8.9799e-02, 1.2391e+00],  
 [7.7682e+00, 1.9906e-02, 3.8735e-01],  
 [2.5768e-01, 1.4709e-05, 2.5000e-02],  
 [7.8241e+00, 1.0400e-02, 3.3914e-01],  
 [1.0336e+02, 1.0724e+00, 2.0971e+00],  
 [4.3559e-02, 9.6846e-07, 6.1798e-03],  
 [8.4321e+01, 1.7059e+00, 1.9287e+00],  
 [5.0356e+01, 2.9758e-01, 1.4808e+00],  
 [5.3865e+01, 1.0483e+00, 1.7402e+00],  
 [1.4981e+00, 1.7869e-03, 2.0127e-01],  
 [3.2323e+01, 6.2819e-02, 1.7076e+00],  
 [1.3697e+02, 4.1586e+00, 3.1730e+00],  
 [2.6337e+01, 1.3973e-01, 1.5461e+00],  
 [3.2375e-02, 2.5353e-07, 4.4666e-03],  
 [4.1736e-02, 1.5820e-06, 6.2693e-03],  
 [2.1676e-01, 2.3985e-05, 2.6664e-02],  
 [3.0083e+01, 7.4760e-02, 1.5176e+00],  
 [1.9349e-02, 1.7901e-08, 2.8009e-03],  
 [1.8914e+00, 2.0424e-03, 2.1162e-01],  
 [9.6043e-02, 2.1778e-06, 1.1660e-02],  
 [1.2511e+01, 7.6441e-03, 5.3788e-01],  
 [3.3671e-01, 1.9798e-05, 4.5694e-02],  
 [1.8339e+01, 3.9353e-02, 5.4320e-01],  
 [2.9652e-02, 4.4164e-07, 4.1674e-03],  
 [1.4322e+01, 3.4553e-03, 1.0366e+00],  
 [6.9445e-01, 2.0822e-04, 5.6800e-02],  
 [3.8576e+00, 1.3282e-03, 2.7799e-01],  
 [3.9192e+00, 8.0937e-03, 3.7761e-01],  
 [7.1886e-01, 1.4010e-04, 8.5338e-02],  
 [7.2797e-02, 6.3951e-07, 9.0176e-03],  
 [2.4312e+01, 2.4545e-02, 2.1225e+00],  
 [4.3688e-01, 3.6607e-05, 4.2229e-02],  
 [2.8679e-01, 6.0125e-05, 2.9658e-02],  
 [3.0118e+02, 4.1421e+00, 4.7656e+00],  
 [6.0229e+00, 6.9600e-03, 4.5256e-01],  
 [2.1181e+00, 2.3044e-03, 1.9886e-01],  
 [7.1141e+00, 1.9203e-02, 4.4155e-01],  
 [5.0442e-01, 1.1394e-04, 5.4485e-02],  
 [1.4009e+01, 2.1476e-02, 8.6612e-01],  
 [2.5188e+00, 2.4037e-05, 1.4511e-01],  
 [1.8047e+00, 8.0727e-05, 1.4148e-01],

[2.4085e+02, 4.3959e+00, 4.0076e+00],  
[1.6174e+00, 4.5658e-05, 1.0778e-01],  
[2.7786e+01, 3.5775e-02, 1.2035e+00],  
[9.8464e+01, 2.1860e+00, 2.4874e+00],  
[6.1617e-01, 7.8475e-05, 4.9639e-02],  
[5.2957e-01, 9.7854e-05, 5.0428e-02],  
[2.5514e-01, 3.5181e-05, 2.7835e-02],  
[2.0233e+01, 5.1824e-02, 5.9210e-01],  
[1.5691e+01, 8.0290e-02, 1.1235e+00],  
[5.0463e-01, 3.8810e-05, 5.2994e-02],  
[7.3458e+01, 8.6669e-02, 1.6870e+00],  
[4.2743e+00, 5.8126e-04, 2.6692e-01],  
[1.5091e-03, 2.7439e-10, 2.4142e-04],  
[1.5171e+02, 3.0627e+00, 4.7821e+00],  
[4.3160e+00, 1.8545e-03, 1.9378e-01],  
[6.9183e+00, 7.6270e-03, 3.6457e-01],  
[6.9728e-01, 1.4743e-04, 5.5978e-02],  
[5.1622e-01, 2.6069e-05, 5.9536e-02],  
[1.2103e-01, 9.0600e-06, 1.5056e-02],  
[8.3730e-01, 3.2755e-05, 5.8154e-02],  
[6.1508e+01, 1.0185e+00, 2.1988e+00],  
[5.7846e+00, 1.8917e-04, 3.5567e-01],  
[1.0644e+00, 7.1835e-04, 1.3390e-01],  
[6.7825e+00, 6.0552e-03, 5.6463e-01],  
[4.0132e-02, 9.2368e-07, 5.4880e-03],  
[5.8608e+01, 6.0168e-01, 1.5564e+00],  
[2.7386e+00, 2.1504e-03, 2.2734e-01],  
[7.2278e+00, 1.4983e-02, 5.4661e-01],  
[9.9128e-01, 1.2289e-03, 1.3387e-01],  
[1.9324e+02, 3.4007e+00, 4.4022e+00],  
[3.4822e+01, 7.1708e-02, 2.4075e+00],  
[1.7912e+02, 1.7496e+00, 3.9494e+00],  
[5.6403e-03, 3.6975e-09, 8.9996e-04],  
[7.8897e-02, 7.8679e-07, 1.0302e-02],  
[7.8512e+00, 7.0092e-03, 4.2760e-01],  
[7.7856e+01, 5.4252e-01, 3.3182e+00],  
[3.4384e+00, 2.7922e-03, 1.8858e-01],  
[9.4112e-03, 1.3274e-08, 1.4317e-03],  
[9.7530e-01, 1.4370e-04, 5.3732e-02],  
[5.7929e+01, 1.1043e+00, 1.7259e+00],  
[6.4940e-01, 1.1650e-04, 6.0409e-02],  
[1.0651e-02, 3.5247e-08, 1.6867e-03],  
[6.6694e-01, 9.6125e-05, 8.5623e-02],  
[4.6179e-01, 4.1280e-05, 3.4044e-02],  
[4.7398e+01, 8.9691e-01, 3.0895e+00],  
[2.8377e+01, 1.3497e-01, 1.0816e+00],  
[1.2520e+02, 4.7278e-01, 3.0010e+00],  
[2.4348e+00, 1.2070e-03, 1.4765e-01],



[3.8948e+01, 6.6095e-02, 1.0778e+00],  
 [5.3323e-01, 8.0122e-05, 5.1102e-02],  
 [1.6373e-01, 1.4218e-05, 2.3601e-02],  
 [9.9425e-01, 1.0851e-04, 1.3623e-01],  
 [4.1006e+00, 3.9287e-03, 2.5592e-01],  
 [1.5541e+01, 2.4018e-02, 1.1235e+00],  
 [1.9253e+01, 7.7653e-03, 7.4284e-01],  
 [2.0696e+01, 2.5836e-01, 1.5705e+00],  
 [3.3069e-01, 2.6738e-05, 3.5679e-02],  
 [1.0547e+02, 8.8367e-01, 3.3619e+00],  
 [6.3964e-01, 8.7611e-05, 8.3664e-02],  
 [2.8663e+00, 1.7645e-03, 2.5313e-01],  
 [2.0482e-01, 1.0404e-05, 2.2263e-02],  
 [4.3644e+01, 1.0970e-02, 1.4710e+00],  
 [8.8885e+00, 3.8083e-03, 5.3384e-01],  
 [2.6032e-02, 4.5381e-07, 4.0928e-03],  
 [5.3176e+00, 1.3480e-02, 3.6309e-01],  
 [4.6522e+00, 3.5728e-03, 5.6569e-01],  
 [1.0382e+01, 2.9527e-02, 7.9772e-01],  
 [3.6520e+01, 9.3466e-02, 1.0290e+00],  
 [5.6433e-01, 8.7959e-05, 4.4579e-02],  
 [9.3571e+00, 2.1071e-02, 4.8555e-01],  
 [1.2948e-01, 3.3499e-06, 1.4978e-02],  
 [1.6129e+01, 4.3020e-02, 6.7439e-01],  
 [1.7636e+01, 1.5337e-01, 1.0953e+00],  
 [1.5568e+01, 1.4998e-03, 6.3476e-01],  
 [6.3059e-01, 2.6028e-04, 6.4502e-02],  
 [4.3422e+00, 9.2750e-03, 3.5817e-01],  
 [1.0408e+02, 5.8991e-02, 2.9311e+00],  
 [1.0691e+00, 4.7598e-04, 1.0256e-01],  
 [2.7074e+01, 9.4359e-02, 7.5662e-01],  
 [1.4982e+01, 5.2633e-02, 5.7709e-01],  
 [7.8075e+00, 3.8335e-02, 5.4848e-01],  
 [7.4606e+01, 7.4428e-01, 1.8707e+00],  
 [1.1845e+01, 8.5604e-02, 8.5984e-01],  
 [2.7940e-01, 1.4106e-05, 3.6971e-02],  
 [9.5541e+01, 2.3095e+00, 4.0482e+00],  
 [1.1925e+02, 7.7276e-01, 4.1137e+00],  
 [1.2597e-01, 2.4358e-06, 1.4706e-02],  
 [3.1518e+00, 1.5108e-03, 2.8146e-01],  
 [7.6745e+01, 8.2065e-01, 3.4399e+00],  
 [4.8334e+01, 4.9461e-02, 1.0793e+00],  
 [1.2836e+01, 3.6356e-02, 5.1291e-01],  
 [1.7228e+02, 1.5600e+00, 3.6731e+00],  
 [1.3096e+02, 4.3386e+00, 2.8615e+00],  
 [7.6403e+01, 2.6211e-01, 3.6356e+00],  
 [2.6995e+00, 1.4962e-03, 1.6951e-01],  
 [1.1886e+01, 6.3053e-02, 1.1771e+00],

[1.7675e+02, 4.3438e+00, 4.4381e+00],  
 [4.4881e+01, 2.7404e-02, 3.0152e+00],  
 [1.0383e+02, 1.8444e-01, 1.9758e+00],  
 [3.0966e-03, 1.1465e-08, 4.9243e-04],  
 [1.0639e+02, 1.3088e+00, 2.0834e+00],  
 [2.8476e+01, 1.3447e-01, 1.2246e+00],  
 [7.1236e+01, 1.3902e+00, 2.4627e+00],  
 [5.9598e+01, 5.5701e-02, 1.2759e+00],  
 [1.8288e-03, 2.6171e-09, 2.9105e-04],  
 [7.7234e+00, 1.9280e-02, 4.9945e-01],  
 [2.2674e+01, 8.9084e-02, 7.3562e-01],  
 [7.5022e+00, 2.5129e-03, 4.4679e-01],  
 [6.5904e+00, 6.6407e-03, 3.5354e-01],  
 [1.4094e+00, 2.1349e-03, 1.6778e-01],  
 [8.1392e+01, 3.2184e-01, 3.4618e+00],  
 [3.6831e+00, 3.2171e-03, 2.4142e-01],  
 [2.9817e-03, 2.4430e-09, 4.8050e-04],  
 [1.5108e+02, 3.2600e+00, 2.6008e+00],  
 [9.5687e+01, 7.6100e-01, 4.1716e+00],  
 [9.7366e+01, 1.2207e+00, 2.7917e+00],  
 [2.2544e-01, 1.7714e-05, 2.9365e-02],  
 [2.6047e-01, 1.0957e-05, 3.2165e-02],  
 [3.5463e+01, 2.6040e-01, 1.6438e+00],  
 [1.0417e+02, 1.5348e+00, 2.1443e+00],  
 [2.1849e-01, 1.0240e-06, 2.1791e-02],  
 [7.0284e+00, 1.1612e-03, 3.8339e-01],  
 [4.0623e-02, 5.4969e-07, 5.3873e-03],  
 [4.7076e+00, 5.3271e-03, 3.7371e-01],  
 [1.2297e+02, 3.0467e+00, 3.4101e+00],  
 [2.4972e+01, 2.4219e-02, 6.9144e-01],  
 [5.3799e+00, 5.5577e-03, 3.0057e-01],  
 [1.2396e+01, 6.0930e-02, 6.5124e-01],  
 [2.5537e-01, 2.7079e-05, 3.1612e-02],  
 [1.4065e-01, 8.8737e-06, 1.9643e-02],  
 [2.1296e+02, 5.3064e+00, 3.7973e+00],  
 [4.7584e+00, 2.2659e-03, 5.2271e-01],  
 [1.1098e+01, 8.9726e-03, 6.0743e-01],  
 [3.0470e+00, 4.3263e-03, 3.4230e-01],  
 [3.2383e+01, 2.7479e-02, 1.1343e+00],  
 [7.0321e-01, 6.2962e-05, 7.1332e-02],  
 [1.6723e-02, 9.3188e-08, 2.5035e-03],  
 [1.4012e+01, 1.0671e-01, 9.7412e-01],  
 [3.8717e+00, 3.0492e-04, 2.0896e-01],  
 [6.3223e+00, 1.9076e-02, 5.8683e-01],  
 [1.0676e+02, 2.1917e+00, 4.0311e+00],  
 [3.0670e+00, 6.4420e-03, 3.3501e-01],  
 [2.6745e+00, 7.8995e-04, 2.7014e-01],  
 [9.9909e+01, 9.6926e-01, 2.2429e+00],

```

[1.2518e+02, 1.3474e+00, 3.7706e+00],
[4.4804e+00, 9.0598e-03, 5.0604e-01],
[1.6509e+01, 6.2154e-02, 6.0918e-01],
[1.4756e+01, 3.6571e-02, 5.0697e-01],
[1.1088e-03, 7.1814e-10, 1.7973e-04],
[3.1271e+01, 2.2268e-02, 1.2748e+00],
[3.1541e+00, 4.8571e-03, 2.3432e-01],
[1.0488e+01, 1.5172e-02, 4.9809e-01],
[1.8800e+01, 7.6602e-02, 1.4186e+00],
[3.3110e+01, 2.2765e-01, 1.1602e+00],
[1.2502e-01, 6.0843e-07, 1.4740e-02],
[9.5184e+01, 2.5305e-01, 3.2891e+00],
[1.3643e-01, 1.3647e-05, 1.8750e-02],
[9.3613e-02, 4.8560e-07, 1.3688e-02],
[1.8312e+00, 6.7413e-04, 1.1492e-01],
[1.7739e-01, 1.5560e-05, 2.5956e-02],
[1.1192e+02, 9.9908e-01, 3.8905e+00],
[6.0705e-01, 2.4147e-04, 6.2079e-02],
[5.4983e+00, 1.0074e-03, 2.5205e-01],
[5.4508e+00, 1.2433e-02, 3.5313e-01],
[2.8368e-01, 3.0747e-06, 2.8599e-02],
[1.0936e-01, 8.4054e-06, 1.2490e-02],
[3.7483e+01, 1.9088e-01, 1.4547e+00],
[1.8147e+01, 6.3888e-02, 1.3187e+00],
[1.1358e-01, 4.6627e-06, 1.2640e-02],
[4.6460e+01, 6.7526e-01, 1.3697e+00],
[5.0852e+01, 2.4884e-01, 1.3773e+00],
[1.2015e+01, 7.8917e-02, 6.7890e-01]], dtype=torch.float64)
Iteration: 18
Inputs: tensor([[1.9876e+19, 3.1465e+02, 1.8856e+01, 4.0152e+00],
               [2.8056e+18, 3.2970e+02, 1.5120e+01, 9.2895e+00],
               [2.3706e+19, 1.5102e+02, 1.1592e+01, 7.4041e+00],
               ...,
               [1.3302e+18, 2.6695e+02, 3.0311e+00, 5.0127e+00],
               [5.2790e+19, 1.2638e+02, 3.5156e+00, 7.3851e+00],
               [3.8911e+18, 3.7501e+02, 3.1107e+00, 7.8657e+00]], dtype=torch.float64)
Target: tensor([[3.2049e+00, 2.5123e-03, 2.6468e-01],
               [5.8700e-01, 1.8669e-04, 5.3114e-02],
               [4.3708e+00, 6.7688e-03, 3.3315e-01],
               [5.2717e+00, 7.7921e-04, 4.3413e-01],
               [9.3326e+00, 2.4314e-02, 7.3096e-01],
               [2.9648e+01, 2.9769e-02, 8.8998e-01],
               [2.0801e-01, 1.7513e-05, 2.1606e-02],
               [5.6388e-01, 3.0988e-05, 6.9602e-02],
               [4.1117e+00, 2.5256e-03, 4.4112e-01],
               [1.0300e+00, 3.8559e-04, 1.1313e-01],
               [1.1102e+01, 1.1139e-02, 8.1061e-01],
               [5.8466e+00, 8.1351e-04, 4.3786e-01],

```

[6.7016e+00, 5.8218e-03, 4.5051e-01],  
[3.2404e-01, 2.4074e-05, 3.5471e-02],  
[1.8151e+01, 1.3423e-02, 7.6501e-01],  
[1.3621e+00, 4.0441e-04, 1.4412e-01],  
[1.3044e+02, 4.9341e-01, 3.6833e+00],  
[5.5573e-03, 4.3683e-09, 8.5568e-04],  
[7.6914e+01, 8.4616e-01, 2.0534e+00],  
[1.6990e+00, 2.4556e-03, 2.2453e-01],  
[2.3629e+00, 2.4294e-03, 1.8682e-01],  
[4.0404e-02, 7.0185e-07, 5.5444e-03],  
[1.2988e+02, 6.6468e-01, 4.2405e+00],  
[5.1717e+01, 8.5951e-01, 1.3540e+00],  
[7.9293e+01, 5.9351e-01, 3.6904e+00],  
[1.1899e-03, 1.2313e-09, 1.9209e-04],  
[1.6287e-01, 3.1565e-05, 2.2613e-02],  
[4.9890e+01, 4.8577e-02, 2.5789e+00],  
[6.6890e+00, 5.1156e-03, 4.7084e-01],  
[1.4913e+01, 3.3065e-03, 5.9753e-01],  
[1.1738e+01, 8.7605e-03, 8.5215e-01],  
[1.9918e+02, 6.6399e+00, 4.8727e+00],  
[1.3012e+02, 4.1777e+00, 3.5072e+00],  
[1.3728e+02, 2.8699e+00, 2.9781e+00],  
[4.8286e+00, 8.7603e-03, 5.4952e-01],  
[8.9116e+01, 2.7083e-01, 3.2789e+00],  
[2.1451e-04, 1.9069e-11, 3.5231e-05],  
[1.8161e+01, 1.4271e-02, 5.3164e-01],  
[8.8271e+00, 2.8619e-03, 6.5859e-01],  
[1.0729e+00, 9.1400e-05, 1.2042e-01],  
[7.4449e+00, 5.5933e-03, 3.0573e-01],  
[3.2633e+01, 1.2216e-01, 7.8769e-01],  
[3.0118e+01, 5.4673e-02, 1.9091e+00],  
[1.0316e+02, 2.5600e+00, 2.8034e+00],  
[1.1843e+00, 5.2513e-04, 9.5667e-02],  
[1.2603e+02, 1.3768e+00, 2.6330e+00],  
[3.7329e+01, 1.7148e-01, 1.7966e+00],  
[4.1211e-01, 1.8033e-05, 3.2839e-02],  
[1.3535e-01, 9.8449e-06, 1.5309e-02],  
[3.7231e+00, 2.5883e-03, 3.0704e-01],  
[2.9781e+00, 2.3947e-04, 1.4378e-01],  
[1.6688e-02, 8.6777e-08, 2.6588e-03],  
[2.1770e+00, 1.3125e-03, 1.7922e-01],  
[4.9620e+00, 4.4607e-03, 2.7103e-01],  
[5.0114e+00, 8.6570e-03, 3.6506e-01],  
[2.5567e-02, 1.2541e-07, 3.8679e-03],  
[6.5243e+00, 1.1996e-02, 3.3369e-01],  
[1.4162e-01, 1.7573e-06, 1.9295e-02],  
[5.4971e-01, 2.9469e-04, 7.8135e-02],  
[9.0344e+00, 5.1372e-02, 1.0180e+00],

[8.6672e+00, 5.8399e-03, 6.9896e-01],  
[3.7196e+00, 2.7222e-03, 1.9272e-01],  
[2.3301e+01, 6.7723e-02, 9.8727e-01],  
[4.1155e+01, 2.9406e-01, 1.5677e+00],  
[5.2076e-02, 1.7331e-06, 6.8961e-03],  
[2.3019e+01, 8.8918e-02, 7.5254e-01],  
[2.7805e-01, 1.7474e-05, 4.0643e-02],  
[1.9692e+00, 1.0227e-03, 1.1349e-01],  
[1.1412e-01, 3.0735e-06, 1.3867e-02],  
[8.9081e+01, 4.9794e-01, 1.7150e+00],  
[1.0863e+02, 2.4099e+00, 3.1735e+00],  
[1.1883e+01, 7.9788e-03, 4.3396e-01],  
[4.3653e-01, 2.9711e-05, 4.9722e-02],  
[5.5596e+00, 4.2992e-03, 2.8764e-01],  
[2.6746e+00, 1.0491e-03, 2.4624e-01],  
[1.7737e+02, 6.5636e+00, 3.3974e+00],  
[6.4719e+01, 1.0193e+00, 1.9589e+00],  
[6.0285e-01, 1.3741e-04, 5.8947e-02],  
[2.8860e-01, 1.8711e-05, 3.4832e-02],  
[1.1445e+01, 1.8281e-02, 1.2109e+00],  
[2.5463e+01, 1.2064e-01, 1.4517e+00],  
[2.8318e+01, 1.3130e-01, 9.2317e-01],  
[5.0825e-02, 3.3690e-07, 7.2207e-03],  
[2.7538e+02, 2.7333e+00, 4.7595e+00],  
[1.4014e+02, 4.5277e+00, 4.1644e+00],  
[1.6351e+01, 5.0075e-02, 7.9219e-01],  
[3.4264e+01, 2.4266e-01, 1.3972e+00],  
[2.2682e+00, 2.1933e-04, 2.0091e-01],  
[7.0979e-01, 2.5336e-05, 8.4591e-02],  
[1.6114e+02, 1.8796e+00, 3.0482e+00],  
[1.1543e+02, 1.2834e+00, 3.3950e+00],  
[8.3052e-01, 1.8017e-04, 7.3075e-02],  
[2.2060e+02, 8.1248e-01, 4.6775e+00],  
[1.9162e+02, 7.4018e-01, 4.5946e+00],  
[2.2890e+00, 2.3928e-04, 2.0778e-01],  
[3.0513e-01, 1.2895e-04, 4.3522e-02],  
[7.7471e+00, 7.9836e-03, 3.6566e-01],  
[1.3401e+00, 3.9071e-04, 1.6816e-01],  
[5.8352e+01, 7.3773e-01, 1.4730e+00],  
[9.8506e+00, 6.7768e-03, 4.4784e-01],  
[2.8334e+01, 1.7231e-02, 7.0104e-01],  
[3.3855e+01, 3.6476e-02, 1.5749e+00],  
[3.7849e+00, 3.4877e-03, 2.4576e-01],  
[2.9797e+01, 2.2008e-01, 1.0018e+00],  
[2.0122e+01, 6.1028e-02, 6.0519e-01],  
[1.8709e-01, 7.9989e-06, 2.0096e-02],  
[4.7390e+01, 4.2637e-01, 1.6251e+00],  
[2.4194e-01, 5.0667e-05, 2.9742e-02],

[3.3918e-01, 3.3417e-05, 3.4446e-02],  
 [1.8548e+02, 5.4488e+00, 3.7254e+00],  
 [2.2721e-01, 1.5869e-05, 2.7754e-02],  
 [9.5357e-02, 1.5237e-06, 1.3818e-02],  
 [1.5108e+01, 2.0700e-02, 7.5309e-01],  
 [9.8955e-02, 1.0101e-05, 1.3686e-02],  
 [5.1730e+01, 8.5006e-01, 1.9512e+00],  
 [9.6375e+01, 1.0557e+00, 1.7436e+00],  
 [9.5994e+00, 8.0614e-03, 6.0836e-01],  
 [4.9298e-01, 5.5769e-05, 4.2714e-02],  
 [7.6797e+00, 9.2647e-03, 3.8817e-01],  
 [1.4866e+02, 3.0249e+00, 3.9318e+00],  
 [3.6655e+01, 3.5846e-01, 1.5324e+00],  
 [1.4442e+01, 4.1359e-02, 6.4765e-01],  
 [2.3381e+01, 8.3441e-02, 1.5637e+00],  
 [8.6306e+01, 4.1754e-01, 2.6599e+00],  
 [5.8221e+01, 8.3113e-01, 3.3802e+00],  
 [3.2579e+01, 4.3075e-01, 1.1598e+00],  
 [3.8074e-02, 4.4591e-07, 5.4048e-03],  
 [8.9191e+01, 1.0125e+00, 2.1552e+00],  
 [3.2811e+01, 5.6501e-02, 1.8509e+00],  
 [7.2481e+01, 4.2723e-01, 2.7908e+00],  
 [2.6735e+01, 1.3278e-01, 1.5098e+00],  
 [6.7232e-01, 2.8561e-05, 7.8173e-02],  
 [1.2523e+01, 1.0957e-01, 1.2069e+00],  
 [1.4581e+00, 4.3734e-04, 1.6147e-01],  
 [6.4965e+01, 3.4441e-01, 2.2438e+00],  
 [3.6033e-02, 1.3150e-07, 5.1647e-03],  
 [1.9432e-02, 1.6194e-07, 2.9286e-03],  
 [4.1487e+00, 5.4588e-04, 2.3313e-01],  
 [2.1764e+01, 3.9521e-02, 1.0789e+00],  
 [2.8945e+01, 3.1754e-02, 9.5210e-01],  
 [9.9861e-01, 1.5552e-04, 7.1850e-02],  
 [3.5500e-01, 1.0303e-04, 3.8241e-02],  
 [1.6539e+01, 1.1497e-01, 6.8310e-01],  
 [2.7859e+01, 1.2378e-01, 2.1307e+00],  
 [9.7755e-02, 6.3919e-06, 1.1537e-02],  
 [5.8938e-02, 7.4964e-07, 8.2662e-03],  
 [1.8357e+01, 1.0284e-01, 7.4225e-01],  
 [3.6878e-02, 1.2931e-06, 5.0523e-03],  
 [2.1511e+00, 9.1279e-04, 1.7545e-01],  
 [2.6156e-01, 9.8081e-05, 3.4781e-02],  
 [1.4233e+01, 2.9658e-02, 1.2290e+00],  
 [1.8072e+01, 1.0974e-01, 9.3848e-01],  
 [2.0703e+01, 2.1399e-01, 1.3011e+00],  
 [4.4163e-03, 6.8337e-09, 7.0131e-04],  
 [2.2412e-01, 4.1071e-05, 2.6353e-02],  
 [1.1008e+02, 3.1538e+00, 2.5562e+00],

[5.7124e+01, 4.6336e-01, 2.0871e+00],  
 [4.4947e+01, 8.2046e-02, 2.8133e+00],  
 [3.2793e+01, 2.0902e-01, 1.7193e+00],  
 [1.2375e-01, 4.0645e-06, 1.4604e-02],  
 [3.3908e+01, 9.8951e-02, 1.0513e+00],  
 [3.6257e-02, 1.0929e-06, 5.2423e-03],  
 [1.8880e+01, 3.6772e-02, 5.9228e-01],  
 [8.6420e+01, 1.2993e+00, 2.1691e+00],  
 [2.2664e+00, 5.6659e-04, 2.3353e-01],  
 [2.2201e-01, 3.7612e-06, 2.1467e-02],  
 [9.7895e-01, 7.3480e-04, 1.3634e-01],  
 [3.1946e-01, 1.7867e-05, 4.1507e-02],  
 [9.0418e+00, 6.2837e-03, 3.9964e-01],  
 [5.3575e+00, 5.1656e-03, 2.5226e-01],  
 [2.2081e+00, 9.2929e-04, 1.5740e-01],  
 [1.1659e+01, 1.0391e-01, 1.0067e+00],  
 [1.2090e+02, 2.4639e+00, 3.3312e+00],  
 [3.1055e+00, 3.1087e-03, 2.0643e-01],  
 [7.9708e-01, 1.8585e-04, 6.5487e-02],  
 [1.7780e+01, 4.0371e-02, 5.5555e-01],  
 [1.4079e+01, 6.3801e-02, 5.8332e-01],  
 [2.8177e+00, 1.2056e-03, 3.5415e-01],  
 [3.4336e+01, 3.2171e-02, 1.4227e+00],  
 [3.8740e+00, 7.3046e-04, 3.0470e-01],  
 [2.0168e+01, 1.7580e-02, 7.7172e-01],  
 [1.2887e+02, 2.6479e+00, 4.2702e+00],  
 [1.1766e-01, 1.1672e-05, 1.6623e-02],  
 [1.2280e+02, 8.6007e-01, 3.5294e+00],  
 [2.1042e+01, 1.1236e-01, 8.4793e-01],  
 [1.3297e-01, 2.3097e-06, 1.5125e-02],  
 [3.6190e-02, 7.3223e-07, 5.2057e-03],  
 [6.1317e+00, 1.9622e-02, 3.8441e-01],  
 [1.6885e-01, 3.3525e-06, 2.4458e-02],  
 [4.0336e+01, 1.1281e-02, 1.4401e+00],  
 [3.5388e+01, 2.7554e-02, 1.4218e+00],  
 [8.7854e+01, 2.3087e+00, 2.1945e+00],  
 [4.8387e+01, 8.6876e-02, 2.0369e+00],  
 [1.0609e+02, 2.5050e-01, 2.5078e+00],  
 [7.1758e+01, 1.3651e+00, 3.6903e+00],  
 [2.4397e+01, 7.6603e-03, 6.4490e-01],  
 [6.9241e+00, 1.7281e-02, 3.9055e-01],  
 [7.4482e+01, 3.5462e-01, 2.5040e+00],  
 [2.4263e+00, 1.9976e-04, 1.7158e-01],  
 [1.4957e+02, 2.3948e+00, 4.4799e+00],  
 [2.3857e+01, 9.2759e-02, 1.3661e+00],  
 [3.2539e+00, 4.7860e-03, 3.8967e-01],  
 [1.8263e+01, 8.7120e-02, 7.2125e-01],  
 [6.5725e+01, 3.7618e-01, 1.7619e+00],

[3.1462e-01, 4.4514e-06, 3.7532e-02],  
 [1.7799e+02, 1.5706e+00, 3.4669e+00],  
 [4.9533e+01, 5.3301e-02, 2.6419e+00],  
 [2.0601e-02, 4.6033e-07, 3.0915e-03],  
 [3.5500e-03, 1.7878e-08, 5.6671e-04],  
 [4.7868e+00, 1.1379e-03, 2.7095e-01],  
 [1.5123e+02, 5.4993e+00, 3.2217e+00],  
 [4.9313e-02, 1.6506e-06, 7.3176e-03],  
 [6.8010e+01, 6.9138e-01, 1.7224e+00],  
 [1.6750e+02, 2.0130e+00, 3.2931e+00],  
 [3.7683e+00, 2.1324e-03, 2.2194e-01],  
 [1.0325e+00, 1.2593e-04, 1.2632e-01],  
 [4.1174e-01, 5.3316e-05, 3.7266e-02],  
 [5.2933e+01, 3.2612e-01, 2.1472e+00],  
 [1.8683e-02, 5.8669e-08, 2.7443e-03],  
 [2.5767e+00, 1.2072e-03, 1.8781e-01],  
 [1.9687e+02, 5.2656e+00, 4.7183e+00],  
 [1.8689e+00, 1.4813e-04, 1.2006e-01],  
 [5.4062e+00, 5.0591e-03, 3.1767e-01],  
 [2.4647e-03, 6.7315e-09, 3.9818e-04],  
 [3.3262e+01, 2.7982e-01, 1.1766e+00],  
 [2.3521e+01, 2.8871e-01, 1.6407e+00],  
 [2.3214e+01, 2.0206e-01, 2.0805e+00],  
 [4.9953e-02, 9.1063e-07, 6.9368e-03],  
 [2.5092e-01, 4.6856e-05, 2.8743e-02],  
 [4.6606e-01, 7.8317e-05, 4.3317e-02],  
 [4.9605e+01, 8.2763e-02, 1.9068e+00],  
 [1.3828e+02, 3.2117e+00, 4.0939e+00],  
 [2.2205e-01, 9.1453e-06, 2.4767e-02],  
 [1.4204e+00, 4.0991e-04, 1.1794e-01],  
 [6.8847e+00, 3.8537e-03, 5.9585e-01],  
 [2.0856e+00, 1.8061e-03, 1.8000e-01],  
 [1.4118e+02, 4.9608e-01, 3.7032e+00],  
 [6.3380e-01, 3.9236e-05, 5.7284e-02],  
 [1.9307e+02, 2.6267e+00, 3.9348e+00],  
 [1.3868e-03, 5.3370e-10, 2.2217e-04],  
 [5.3907e-02, 1.3485e-07, 7.4164e-03],  
 [2.8657e+01, 3.7163e-01, 1.6114e+00],  
 [3.0148e+01, 1.9726e-01, 1.3424e+00],  
 [4.4912e+01, 3.9187e-01, 1.7342e+00],  
 [1.5777e+00, 4.8510e-04, 1.5729e-01],  
 [1.2881e+01, 1.7409e-03, 9.3444e-01],  
 [2.1350e-01, 4.8142e-06, 2.5195e-02],  
 [5.3553e-01, 1.5773e-04, 5.2312e-02],  
 [2.2684e+01, 1.2859e-01, 8.5784e-01],  
 [2.2313e+01, 2.8798e-02, 6.4291e-01],  
 [2.6513e+01, 2.3637e-01, 9.1067e-01],  
 [1.1429e+01, 6.4766e-02, 8.5577e-01],



[1.2439e+01, 2.0557e-02, 4.6681e-01],  
 [6.3548e+00, 2.6971e-03, 2.3858e-01],  
 [1.6938e+00, 8.2209e-04, 2.3301e-01],  
 [4.9484e+01, 1.1918e-01, 1.3707e+00],  
 [1.2094e+02, 3.1498e+00, 3.7106e+00],  
 [1.3448e+02, 1.0279e+00, 2.8893e+00],  
 [1.4165e+01, 1.3481e-02, 8.5396e-01],  
 [2.6899e-02, 2.5360e-07, 3.9017e-03],  
 [2.1522e+02, 3.6156e+00, 4.4352e+00],  
 [1.0550e+01, 2.7002e-02, 4.9970e-01],  
 [1.1671e+00, 8.6800e-05, 6.8160e-02],  
 [1.5276e+01, 3.3896e-02, 4.8166e-01],  
 [1.1231e-01, 6.1751e-06, 1.3839e-02],  
 [1.5466e+01, 2.2964e-02, 9.5420e-01],  
 [2.4627e+00, 3.1082e-03, 2.1910e-01],  
 [1.8375e-01, 8.6916e-06, 2.2990e-02],  
 [7.1127e-01, 6.0534e-05, 8.4418e-02],  
 [1.1444e+02, 3.7973e-01, 2.1821e+00],  
 [1.7436e-01, 1.6253e-05, 1.9770e-02],  
 [1.4774e+01, 2.1736e-02, 8.0628e-01],  
 [4.8092e+00, 1.3001e-03, 3.6469e-01],  
 [2.1731e+01, 1.6819e-02, 1.4477e+00],  
 [5.8885e+01, 3.6614e-01, 1.8321e+00],  
 [9.7727e+01, 2.7074e+00, 2.8028e+00],  
 [2.8173e-01, 8.3492e-05, 3.3045e-02],  
 [2.3479e+01, 2.1305e-01, 1.1669e+00],  
 [1.4445e+00, 1.0746e-04, 1.1822e-01],  
 [9.6387e+01, 2.6441e-01, 3.9184e+00],  
 [9.3993e+01, 3.0918e-01, 3.4338e+00],  
 [1.1354e+02, 1.3099e+00, 3.1311e+00],  
 [1.2050e+01, 1.3190e-02, 4.0740e-01],  
 [2.3251e+00, 1.3468e-03, 1.6580e-01],  
 [4.2042e+01, 5.6217e-02, 2.4762e+00],  
 [7.7339e+00, 2.2939e-02, 7.5086e-01],  
 [3.0592e-01, 2.5120e-05, 3.3633e-02],  
 [1.2766e+01, 1.3961e-02, 5.2019e-01],  
 [7.8353e-02, 4.1935e-06, 9.8231e-03],  
 [1.2666e+02, 1.4374e+00, 2.9706e+00],  
 [3.7416e+02, 8.2385e+00, 5.2109e+00],  
 [6.7757e-02, 3.7002e-06, 8.5241e-03],  
 [1.7569e+01, 2.4021e-03, 8.9255e-01],  
 [7.2610e-01, 9.8437e-05, 6.7526e-02],  
 [1.2996e+00, 5.5137e-05, 1.1808e-01],  
 [2.4585e+01, 1.1386e-01, 1.1051e+00],  
 [1.8014e+00, 8.7423e-05, 2.0994e-01],  
 [2.5458e+00, 2.9022e-03, 2.0499e-01],  
 [4.0281e+01, 3.1596e-01, 1.4521e+00],  
 [3.7968e+01, 1.5022e-01, 9.9352e-01],

```

[2.4215e-01, 3.5940e-05, 2.7206e-02],
[6.8331e+01, 3.2412e-01, 3.5004e+00],
[2.8623e+01, 3.9442e-01, 2.0073e+00],
[2.2623e+00, 6.7605e-04, 1.4253e-01],
[1.2657e+02, 3.7165e-01, 2.4863e+00],
[5.9469e+01, 6.3335e-01, 1.8107e+00],
[4.1270e+00, 1.6165e-03, 2.2864e-01],
[4.7065e-03, 3.2762e-09, 7.3464e-04],
[3.9012e-01, 1.2197e-05, 3.2524e-02],
[7.3911e+00, 2.6672e-02, 4.4312e-01],
[8.3144e-01, 3.8603e-04, 9.5761e-02],
[2.2846e-01, 5.3787e-06, 3.0445e-02],
[3.3356e-01, 3.8385e-06, 3.6095e-02],
[6.5546e-01, 1.4657e-04, 6.0891e-02],
[5.2735e-01, 5.0901e-05, 5.7418e-02],
[2.2446e-01, 4.5208e-05, 3.0315e-02],
[1.4168e-02, 3.2291e-08, 2.0682e-03],
[2.8079e-01, 8.0598e-06, 2.6206e-02],
[1.7617e+01, 4.6332e-02, 8.2229e-01],
[2.3380e+00, 6.2159e-04, 1.2628e-01]], dtype=torch.float64)
Iteration: 19
Inputs: tensor([[3.1416e+18, 2.2273e+02, 5.0266e+00, 4.0568e+00],
               [8.4499e+18, 3.7866e+02, 2.3704e+00, 2.2816e+00],
               [4.2418e+19, 2.7756e+02, 1.1122e+01, 8.3313e+00],
               ...,
               [1.3732e+18, 2.0233e+02, 5.0563e+00, 9.8870e+00],
               [3.4543e+18, 1.9771e+02, 2.3189e+00, 6.8897e+00],
               [1.1313e+18, 3.2763e+02, 1.2807e+01, 6.8962e+00]], dtype=torch.float64)
Target: tensor([[4.8486e-01, 2.4102e-05, 4.7942e-02],
               [4.3314e+00, 2.7662e-04, 2.3020e-01],
               [1.8835e+01, 8.8499e-02, 7.6525e-01],
               [1.8918e-01, 2.0098e-05, 2.0698e-02],
               [2.0836e+00, 1.3163e-03, 1.4054e-01],
               [5.1690e-01, 1.3886e-05, 5.9710e-02],
               [7.2551e-01, 2.6166e-04, 7.0377e-02],
               [8.5237e-02, 6.8501e-07, 1.1591e-02],
               [5.2797e+00, 4.1663e-03, 3.9324e-01],
               [1.0104e+02, 5.2144e-01, 3.4959e+00],
               [2.1254e-01, 5.4336e-06, 2.4949e-02],
               [6.2675e-01, 1.1506e-04, 5.7007e-02],
               [2.8849e+00, 3.8441e-03, 2.8087e-01],
               [2.7591e+01, 4.4947e-02, 1.2890e+00],
               [4.5306e+00, 1.9030e-03, 2.1776e-01],
               [7.3931e-01, 2.7349e-05, 6.2992e-02],
               [1.2780e+02, 3.6002e-01, 4.5791e+00],
               [2.0332e+02, 2.5377e+00, 3.8797e+00],
               [1.6488e-01, 8.0678e-06, 2.0244e-02],
               [1.6599e-01, 3.3138e-06, 2.1308e-02],

```

[1.3505e+01, 7.2862e-03, 5.3176e-01],  
 [2.9830e+00, 2.2910e-03, 1.7296e-01],  
 [1.0661e+00, 1.0182e-03, 1.0984e-01],  
 [7.5559e-01, 9.5146e-05, 6.8066e-02],  
 [1.1657e+00, 2.4554e-04, 8.7260e-02],  
 [5.4891e-01, 7.3509e-05, 5.5441e-02],  
 [1.4884e+01, 5.0934e-02, 1.0685e+00],  
 [1.8458e-02, 2.8863e-07, 2.8108e-03],  
 [1.5831e+01, 6.2903e-02, 1.0037e+00],  
 [1.0844e+01, 3.9835e-02, 8.2853e-01],  
 [9.3175e+01, 1.4198e+00, 2.2930e+00],  
 [1.6434e+00, 9.7143e-05, 1.1965e-01],  
 [1.6353e+01, 1.0801e-01, 1.4059e+00],  
 [1.7446e-01, 2.5996e-05, 1.9500e-02],  
 [1.6308e-02, 5.2775e-08, 2.4679e-03],  
 [5.7438e+01, 2.1038e-01, 1.5639e+00],  
 [2.3151e-01, 5.1323e-05, 2.8710e-02],  
 [3.2016e+01, 5.2982e-02, 9.0054e-01],  
 [4.5095e+00, 3.5963e-03, 4.6091e-01],  
 [1.4836e+02, 6.2541e+00, 3.5129e+00],  
 [7.3914e+00, 6.0229e-03, 7.2251e-01],  
 [3.6413e+00, 9.8026e-03, 3.5082e-01],  
 [1.2310e-01, 3.8541e-06, 1.7306e-02],  
 [5.3695e-01, 2.8314e-05, 5.6232e-02],  
 [7.0160e+01, 2.3267e-01, 3.4185e+00],  
 [4.5644e+01, 1.1000e-01, 1.8657e+00],  
 [1.4735e+01, 1.4659e-01, 1.4737e+00],  
 [2.8724e+01, 2.2995e-02, 8.0817e-01],  
 [1.6805e+02, 5.7541e+00, 3.6911e+00],  
 [5.3145e+00, 6.0593e-03, 3.7577e-01],  
 [1.2299e+01, 2.5519e-02, 7.5528e-01],  
 [7.2809e-01, 2.0093e-04, 5.7574e-02],  
 [1.1102e+01, 3.5355e-03, 9.3273e-01],  
 [2.8643e+00, 8.5269e-05, 1.8138e-01],  
 [1.3736e+00, 2.1930e-04, 1.0690e-01],  
 [3.0504e+01, 1.2372e-01, 1.3356e+00],  
 [1.0006e+00, 2.3296e-04, 1.1078e-01],  
 [7.8522e-02, 2.5648e-06, 1.1807e-02],  
 [1.7732e+00, 2.2296e-03, 1.5212e-01],  
 [1.8061e+02, 3.3442e+00, 4.5318e+00],  
 [6.3533e+00, 2.9346e-03, 6.2594e-01],  
 [2.5066e+00, 6.9050e-04, 1.2541e-01],  
 [6.5632e-01, 3.1989e-04, 7.1325e-02],  
 [4.7239e+00, 2.2126e-03, 4.4444e-01],  
 [7.7466e+00, 3.4482e-02, 5.1153e-01],  
 [5.3749e+00, 7.1891e-03, 2.6062e-01],  
 [8.6533e-02, 5.2105e-06, 1.1936e-02],  
 [3.4827e-01, 1.2096e-04, 4.5546e-02],

[5.2441e+00, 2.0123e-03, 4.2043e-01],  
 [2.7201e+01, 9.5643e-02, 1.0888e+00],  
 [4.7121e-03, 1.2152e-08, 7.5428e-04],  
 [3.1193e+01, 3.9325e-02, 9.5335e-01],  
 [3.2160e+00, 1.2777e-02, 3.1608e-01],  
 [1.0527e+00, 3.4079e-04, 9.5776e-02],  
 [1.5495e+00, 5.1304e-04, 1.1505e-01],  
 [3.2609e+00, 1.2972e-03, 1.6234e-01],  
 [5.9997e-01, 5.3981e-05, 5.7225e-02],  
 [2.3888e-01, 5.1723e-05, 2.9491e-02],  
 [1.8519e-01, 3.1295e-06, 2.3103e-02],  
 [4.7733e+00, 2.8275e-03, 3.8265e-01],  
 [4.4904e+00, 7.3327e-03, 3.4505e-01],  
 [4.3311e-02, 1.1958e-06, 5.7550e-03],  
 [1.7717e-01, 1.4068e-06, 2.0857e-02],  
 [1.3582e-01, 9.1698e-07, 1.5164e-02],  
 [2.8972e-01, 2.2041e-05, 3.7197e-02],  
 [3.8871e+01, 5.1678e-02, 1.3097e+00],  
 [6.7232e+01, 3.3764e-01, 2.0153e+00],  
 [3.0768e+01, 1.3136e-01, 1.8447e+00],  
 [2.4266e-01, 3.5190e-05, 2.6979e-02],  
 [1.1102e-02, 1.3999e-07, 1.6930e-03],  
 [8.9053e-01, 8.2134e-05, 8.4447e-02],  
 [1.8814e+00, 3.6521e-04, 1.5413e-01],  
 [6.7704e+01, 6.7644e-01, 2.4657e+00],  
 [1.1262e-01, 7.3175e-06, 1.3906e-02],  
 [2.2179e+00, 5.1153e-04, 1.0527e-01],  
 [3.0826e+00, 1.9053e-03, 2.1764e-01],  
 [9.5166e-01, 6.1663e-05, 1.0477e-01],  
 [8.5514e+00, 1.9275e-02, 4.9345e-01],  
 [3.0023e+01, 2.4669e-01, 1.3353e+00],  
 [1.7360e+01, 1.7604e-02, 7.6421e-01],  
 [6.3835e+01, 5.5208e-01, 2.0754e+00],  
 [3.6021e+01, 1.4768e-01, 1.9108e+00],  
 [8.1276e+00, 3.0389e-03, 4.3653e-01],  
 [1.3178e+01, 1.5131e-02, 6.4305e-01],  
 [6.3062e+01, 1.8981e-01, 1.2864e+00],  
 [3.7816e+01, 3.7709e-02, 2.5736e+00],  
 [2.0039e+01, 9.9186e-02, 1.0051e+00],  
 [1.4447e+01, 5.7265e-02, 8.8392e-01],  
 [1.1247e+02, 1.3827e-01, 2.6724e+00],  
 [1.0976e-03, 8.8393e-10, 1.7828e-04],  
 [6.8923e-02, 1.8677e-06, 9.7563e-03],  
 [8.7096e-01, 2.0671e-04, 1.1306e-01],  
 [3.3127e+01, 2.9814e-01, 1.1137e+00],  
 [1.9509e+01, 8.2081e-02, 9.7734e-01],  
 [2.5074e+01, 1.9825e-01, 1.6299e+00],  
 [3.0718e+00, 2.8753e-03, 1.9691e-01],

[4.9408e+01, 8.0142e-02, 2.3907e+00],  
 [4.5470e-01, 1.1312e-04, 5.7075e-02],  
 [7.0099e+01, 5.1183e-01, 1.8417e+00],  
 [4.5483e+01, 1.4583e-01, 1.4504e+00],  
 [5.2198e-01, 1.2490e-05, 5.8092e-02],  
 [9.6220e+01, 1.0350e+00, 2.2961e+00],  
 [4.6504e+00, 3.8220e-03, 2.7847e-01],  
 [1.2016e+02, 9.0265e-01, 4.1126e+00],  
 [1.3438e+01, 8.0339e-03, 6.4005e-01],  
 [6.3838e+01, 9.8239e-01, 2.4612e+00],  
 [2.1035e+00, 9.0655e-04, 1.6317e-01],  
 [8.0256e-02, 9.2224e-07, 9.7120e-03],  
 [2.3190e+01, 1.0672e-01, 8.9815e-01],  
 [8.1558e-01, 1.4469e-04, 6.6316e-02],  
 [5.1604e-01, 8.6820e-05, 4.1616e-02],  
 [3.1230e-01, 2.0689e-05, 4.5132e-02],  
 [1.1892e+01, 1.2832e-02, 5.4302e-01],  
 [3.8436e-02, 5.8757e-07, 5.2486e-03],  
 [1.3637e-02, 5.4729e-08, 2.0271e-03],  
 [7.1353e+00, 2.9536e-02, 6.0358e-01],  
 [2.6258e+01, 5.1381e-02, 1.6213e+00],  
 [6.7150e-02, 2.8601e-06, 8.2864e-03],  
 [2.1414e+00, 3.3577e-04, 1.7236e-01],  
 [8.8895e+01, 2.4537e-01, 3.1818e+00],  
 [3.1642e+01, 3.6416e-02, 2.0418e+00],  
 [2.3822e+01, 8.9688e-02, 8.2077e-01],  
 [5.6110e+01, 9.0820e-02, 2.6177e+00],  
 [9.3851e+01, 5.4493e-02, 1.8829e+00],  
 [1.1882e+00, 3.8968e-04, 1.2546e-01],  
 [2.6890e+01, 2.0733e-01, 9.9345e-01],  
 [8.1959e+00, 1.1060e-02, 4.0878e-01],  
 [7.5222e+01, 1.8495e+00, 2.8907e+00],  
 [5.3711e+01, 1.2781e-01, 1.8905e+00],  
 [5.4754e+01, 8.2666e-01, 1.8556e+00],  
 [3.4345e+01, 1.8977e-01, 1.1436e+00],  
 [1.0213e+01, 1.6834e-02, 3.7315e-01],  
 [9.2924e+01, 1.2334e+00, 1.9148e+00],  
 [6.3161e+01, 4.1102e-01, 1.7061e+00],  
 [1.3355e+01, 2.3379e-02, 6.3297e-01],  
 [4.2736e+01, 4.0655e-01, 1.0534e+00],  
 [8.7417e+01, 8.2421e-01, 2.6081e+00],  
 [1.5527e+01, 7.2263e-03, 7.6059e-01],  
 [3.0416e+00, 2.1175e-04, 1.9028e-01],  
 [3.1082e+00, 2.5100e-03, 2.1303e-01],  
 [3.9398e+01, 4.4311e-01, 1.1411e+00],  
 [4.4335e+01, 1.3847e-01, 1.8179e+00],  
 [1.2130e+02, 3.8106e+00, 3.9172e+00],  
 [3.8465e+00, 1.7282e-03, 2.1666e-01],

[1.1049e+01, 1.2986e-02, 9.9315e-01],  
 [2.5438e-01, 8.7490e-06, 3.0927e-02],  
 [4.0187e+01, 2.5474e-01, 1.4188e+00],  
 [4.5865e-01, 9.2315e-05, 5.3376e-02],  
 [1.4286e+02, 3.3647e+00, 4.0592e+00],  
 [8.3107e+00, 9.7838e-03, 6.4764e-01],  
 [5.4893e+01, 6.2356e-01, 1.4358e+00],  
 [1.3397e+01, 1.3561e-02, 1.2223e+00],  
 [5.7493e+01, 3.3132e-01, 1.7322e+00],  
 [2.3696e+01, 8.3938e-02, 8.6385e-01],  
 [2.4734e+00, 2.1547e-03, 3.3395e-01],  
 [6.7025e+01, 8.6219e-01, 3.3668e+00],  
 [2.7663e+00, 3.9320e-04, 2.6599e-01],  
 [1.4285e-01, 2.5558e-06, 1.8945e-02],  
 [7.3342e+01, 5.0452e-01, 1.9622e+00],  
 [2.8995e-01, 4.9509e-05, 3.4964e-02],  
 [2.0762e+01, 1.5719e-01, 8.7372e-01],  
 [3.6232e-01, 6.5710e-06, 3.8439e-02],  
 [4.4876e+01, 8.9516e-02, 1.9336e+00],  
 [2.5737e-01, 3.9625e-06, 3.2755e-02],  
 [5.5837e-04, 2.1141e-10, 9.0925e-05],  
 [3.6153e+01, 3.3555e-01, 1.3122e+00],  
 [5.3105e+00, 2.6240e-02, 5.4315e-01],  
 [5.6916e-01, 5.6296e-05, 3.5620e-02],  
 [9.5135e+01, 2.1732e-01, 2.2397e+00],  
 [1.5418e+00, 2.2432e-03, 1.8679e-01],  
 [2.5492e-01, 6.4315e-05, 3.3668e-02],  
 [3.9999e+00, 9.2101e-04, 2.3892e-01],  
 [5.9416e+01, 3.1236e-01, 1.5891e+00],  
 [8.8350e+00, 5.2281e-03, 4.1790e-01],  
 [1.2988e+02, 1.5089e+00, 4.1124e+00],  
 [5.6593e-01, 2.1026e-05, 4.1583e-02],  
 [6.2821e+00, 1.3634e-02, 3.5162e-01],  
 [5.7725e+01, 8.9165e-01, 1.7261e+00],  
 [1.9836e-01, 3.6837e-06, 2.6387e-02],  
 [3.7389e+00, 2.2983e-03, 2.3765e-01],  
 [3.0260e+01, 2.5247e-02, 1.5259e+00],  
 [1.2487e+02, 2.1098e+00, 3.1099e+00],  
 [4.7860e+01, 5.4739e-01, 1.6184e+00],  
 [6.4368e-02, 7.8414e-07, 1.0191e-02],  
 [3.2579e-01, 3.4689e-05, 3.4020e-02],  
 [9.0261e+01, 6.2073e-02, 3.0956e+00],  
 [6.7447e-01, 5.7022e-05, 8.3028e-02],  
 [3.4768e+01, 1.6483e-01, 1.4327e+00],  
 [1.0282e+01, 1.4941e-02, 4.5691e-01],  
 [7.1240e+00, 1.5764e-02, 4.1849e-01],  
 [7.2036e-02, 2.7610e-06, 1.0391e-02],  
 [4.2653e+01, 1.8893e-01, 2.7453e+00],

[6.4452e+01, 4.9654e-01, 1.4239e+00],  
 [1.5151e+01, 1.4271e-02, 6.3549e-01],  
 [5.3153e+01, 2.5856e-01, 1.5132e+00],  
 [4.0196e+01, 6.5939e-02, 1.2459e+00],  
 [4.5183e+01, 6.0441e-01, 1.3901e+00],  
 [7.2652e+00, 7.6090e-03, 3.6465e-01],  
 [3.6242e+01, 1.8318e-01, 9.2901e-01],  
 [3.5064e-02, 1.5517e-07, 5.3108e-03],  
 [1.6731e+01, 9.9050e-03, 1.2366e+00],  
 [6.4345e-02, 2.4444e-06, 8.4845e-03],  
 [2.0892e+01, 3.2967e-02, 7.0497e-01],  
 [1.4605e+02, 2.6681e+00, 4.4606e+00],  
 [2.0758e-01, 1.4644e-06, 2.1090e-02],  
 [5.4932e-01, 1.7910e-04, 6.4511e-02],  
 [2.7123e+01, 2.0656e-01, 2.3137e+00],  
 [5.0157e+00, 1.4901e-03, 2.7463e-01],  
 [1.3641e+01, 2.2649e-02, 7.4454e-01],  
 [2.7765e+01, 8.1295e-02, 7.1973e-01],  
 [1.6656e+02, 7.9134e+00, 3.6337e+00],  
 [4.8088e+01, 9.4238e-01, 2.4319e+00],  
 [6.5239e+01, 1.0590e+00, 2.1904e+00],  
 [1.6554e+02, 1.0728e+00, 4.0775e+00],  
 [1.3178e-02, 1.2475e-07, 2.0801e-03],  
 [1.0548e-01, 1.7704e-06, 1.2161e-02],  
 [4.3345e+00, 3.3386e-03, 2.5797e-01],  
 [4.7586e-01, 6.3635e-05, 5.3340e-02],  
 [5.4252e-01, 1.1056e-04, 5.1299e-02],  
 [4.6303e+01, 2.5748e-01, 2.1872e+00],  
 [7.6763e+01, 1.1226e+00, 2.1139e+00],  
 [4.9066e+00, 8.1576e-04, 2.8026e-01],  
 [3.8378e+00, 3.0833e-03, 2.2036e-01],  
 [1.9499e+01, 4.6288e-02, 1.2803e+00],  
 [1.0815e+02, 2.6528e+00, 4.2380e+00],  
 [1.9439e+00, 2.9601e-04, 1.8204e-01],  
 [3.3977e+01, 4.2452e-02, 2.1969e+00],  
 [3.0241e+01, 8.2733e-02, 1.1495e+00],  
 [3.5430e+00, 2.4782e-03, 2.3857e-01],  
 [5.1753e-01, 2.7882e-05, 6.2392e-02],  
 [1.8913e-02, 1.2608e-07, 2.7414e-03],  
 [5.8858e+00, 3.2142e-03, 3.5999e-01],  
 [6.3445e+01, 9.1940e-01, 2.3911e+00],  
 [3.2302e+01, 1.2416e-01, 7.4984e-01],  
 [3.7463e+01, 4.7284e-01, 1.2273e+00],  
 [1.0155e+01, 5.9448e-03, 5.5581e-01],  
 [2.4048e-03, 2.1204e-09, 3.8292e-04],  
 [1.1146e+00, 2.1355e-04, 1.1440e-01],  
 [1.4982e-01, 1.1673e-05, 1.9183e-02],  
 [4.3388e+00, 1.2652e-02, 4.7491e-01],

[9.4843e-02, 4.7361e-06, 1.1767e-02],  
 [6.6499e+01, 5.8659e-01, 3.1735e+00],  
 [4.4218e+00, 9.4546e-04, 1.7595e-01],  
 [3.3706e+01, 4.7629e-02, 1.1588e+00],  
 [8.0031e+01, 1.4372e+00, 2.7290e+00],  
 [6.8807e+01, 8.1786e-01, 2.1032e+00],  
 [9.6651e+01, 8.1272e-01, 3.9552e+00],  
 [2.2252e-01, 2.5158e-05, 2.2652e-02],  
 [6.9715e-01, 3.4095e-05, 8.0571e-02],  
 [4.2762e+01, 1.6436e-01, 2.1007e+00],  
 [2.1968e+00, 6.6066e-04, 3.0513e-01],  
 [3.1049e+01, 8.1582e-02, 1.5788e+00],  
 [3.9955e+01, 1.9389e-01, 2.7491e+00],  
 [2.8707e+01, 1.7447e-01, 9.9031e-01],  
 [6.8372e+01, 2.5954e-01, 1.7518e+00],  
 [6.4054e+00, 2.3181e-02, 5.1372e-01],  
 [7.5090e-01, 3.5508e-05, 8.6438e-02],  
 [2.6473e+00, 5.3713e-03, 3.0210e-01],  
 [1.5551e+02, 1.9454e+00, 3.4907e+00],  
 [1.9041e-02, 2.1250e-07, 3.0211e-03],  
 [1.4431e+01, 3.4632e-02, 1.0004e+00],  
 [3.9606e+01, 2.5159e-01, 1.0664e+00],  
 [1.0657e-01, 3.2663e-06, 1.2777e-02],  
 [2.3111e+01, 1.8655e-01, 9.3811e-01],  
 [1.0479e+00, 6.5374e-05, 8.9575e-02],  
 [2.6493e-01, 1.8455e-05, 3.2158e-02],  
 [7.7714e+01, 1.6495e-01, 2.7399e+00],  
 [3.4866e+01, 3.5018e-02, 9.7585e-01],  
 [1.6485e+02, 5.3357e+00, 3.9385e+00],  
 [2.7820e-01, 1.7817e-05, 3.0481e-02],  
 [1.5114e+02, 1.7760e+00, 3.4764e+00],  
 [4.7667e-01, 1.6158e-04, 4.6504e-02],  
 [4.1878e+00, 5.1711e-03, 3.5222e-01],  
 [6.5201e+01, 2.7198e-01, 2.6853e+00],  
 [1.5740e-01, 2.0383e-05, 1.8887e-02],  
 [3.5228e+01, 3.8149e-02, 9.4561e-01],  
 [8.2332e+01, 1.2813e+00, 3.1680e+00],  
 [1.7479e+01, 7.1510e-02, 6.1391e-01],  
 [2.8281e-01, 4.4292e-05, 4.2448e-02],  
 [1.5500e+02, 3.5370e-01, 3.3127e+00],  
 [6.0366e+01, 2.3977e-01, 1.9225e+00],  
 [2.1007e-01, 8.1210e-06, 2.5908e-02],  
 [1.7504e+01, 3.8786e-02, 7.0810e-01],  
 [1.9617e+01, 1.2984e-02, 1.1765e+00],  
 [1.9998e+01, 3.5598e-02, 7.1040e-01],  
 [1.1086e+02, 8.5642e-01, 2.6788e+00],  
 [4.4008e+01, 1.3027e-01, 1.0651e+00],  
 [4.0869e+00, 1.1771e-02, 3.7249e-01],



```

[6.0763e+01, 3.4181e-02, 2.1705e+00],
[1.4267e+00, 3.2663e-04, 1.2174e-01],
[2.8417e+01, 8.5143e-02, 8.8585e-01],
[2.7348e+02, 4.7033e+00, 4.9609e+00],
[3.4231e+00, 7.5152e-04, 2.9620e-01],
[1.1030e-02, 9.8036e-08, 1.6951e-03],
[2.9477e+00, 2.1183e-03, 1.8310e-01],
[1.1873e+01, 2.7340e-02, 5.9714e-01],
[1.1340e+01, 1.0055e-02, 3.6774e-01],
[2.0875e-01, 1.9143e-05, 2.1426e-02],
[9.7280e-01, 1.2414e-04, 7.7741e-02],
[1.2250e-01, 6.9737e-06, 1.3710e-02]], dtype=torch.float64)
Iteration: 20
Inputs: tensor([[2.0943e+18, 3.6004e+02, 6.0344e+00, 8.1298e+00],
               [7.0309e+20, 4.8576e+02, 1.0891e+01, 1.2443e+00],
               [1.2572e+20, 2.4778e+02, 9.0709e+00, 9.7244e+00],
               ...,
               [1.0050e+18, 3.0459e+01, 6.1586e+00, 8.8637e+00],
               [1.6930e+18, 4.2038e+02, 6.2095e+00, 4.1395e+00],
               [1.3502e+18, 2.4877e+02, 3.2504e+00, 4.9845e+00]], dtype=torch.float64)
Target: tensor([[7.5158e-01, 1.1921e-04, 5.6153e-02],
               [8.1671e+01, 1.5143e-01, 3.5743e+00],
               [4.9135e+01, 5.9194e-01, 1.5575e+00],
               [1.1628e+01, 8.3089e-03, 1.0284e+00],
               [1.7369e+01, 1.4869e-02, 6.6693e-01],
               [6.4165e+00, 4.3543e-03, 5.2908e-01],
               [2.9118e+01, 3.3363e-02, 1.1315e+00],
               [6.8214e+00, 8.0537e-03, 5.4680e-01],
               [3.4537e+01, 7.8001e-02, 1.0702e+00],
               [1.0492e+01, 2.9376e-02, 5.9381e-01],
               [1.3813e+00, 1.0363e-03, 1.2846e-01],
               [2.8707e+01, 2.3229e-02, 8.3172e-01],
               [1.4583e+02, 3.5053e+00, 4.3918e+00],
               [6.4127e-01, 1.4981e-04, 6.0232e-02],
               [2.6347e+01, 1.0027e-01, 1.2496e+00],
               [4.7940e+00, 2.5354e-03, 2.6068e-01],
               [2.0407e-01, 4.3041e-06, 2.2477e-02],
               [5.4867e+01, 4.8825e-01, 1.2904e+00],
               [2.6301e+01, 1.5859e-01, 9.7931e-01],
               [1.0751e+00, 1.3093e-04, 1.0327e-01],
               [4.7276e+00, 2.2914e-03, 2.4251e-01],
               [2.8427e-01, 3.6597e-06, 3.5176e-02],
               [7.1450e-03, 3.7300e-08, 1.0918e-03],
               [1.5117e+02, 4.6175e+00, 4.0409e+00],
               [5.3597e+01, 1.6172e-01, 2.2340e+00],
               [1.0572e+01, 1.5680e-02, 7.8463e-01],
               [1.0216e+00, 1.1786e-04, 7.0928e-02],
               [3.6176e+01, 4.3527e-02, 1.3634e+00],

```

[8.9077e-01, 1.0766e-04, 1.0692e-01],  
 [1.3274e+01, 4.0639e-02, 1.3301e+00],  
 [4.7460e-01, 2.1942e-05, 4.2917e-02],  
 [9.9452e+01, 2.5978e-01, 3.3940e+00],  
 [1.6658e+02, 1.7193e+00, 4.1410e+00],  
 [2.3543e-02, 2.5447e-07, 3.3482e-03],  
 [1.2400e+00, 4.4248e-04, 9.0755e-02],  
 [3.8235e+01, 1.6363e-01, 1.8536e+00],  
 [5.6395e+01, 7.2979e-02, 1.1087e+00],  
 [3.3592e+02, 7.2621e+00, 5.0275e+00],  
 [6.2558e-02, 2.5182e-06, 8.1475e-03],  
 [2.7006e-01, 1.4890e-05, 2.5744e-02],  
 [1.6988e-02, 8.6796e-08, 2.5650e-03],  
 [4.4921e-01, 8.0587e-05, 6.4406e-02],  
 [1.0723e+01, 7.7675e-03, 8.0397e-01],  
 [2.7033e+01, 7.0149e-02, 1.6773e+00],  
 [2.1470e+01, 3.7806e-01, 1.8063e+00],  
 [2.2011e+00, 2.1359e-04, 1.6738e-01],  
 [6.1326e-01, 2.3826e-05, 4.8614e-02],  
 [6.9173e+01, 1.1724e-01, 1.8877e+00],  
 [1.0501e+02, 5.7791e-02, 3.5066e+00],  
 [8.8672e-01, 7.6732e-04, 9.7990e-02],  
 [1.8465e+00, 5.2210e-04, 1.0230e-01],  
 [2.1696e+01, 1.4450e-02, 9.2780e-01],  
 [1.3756e-03, 2.6374e-09, 2.2048e-04],  
 [1.0847e+00, 2.5911e-04, 9.4122e-02],  
 [2.1905e+02, 9.2239e+00, 4.2508e+00],  
 [2.9146e-01, 1.4100e-04, 4.0640e-02],  
 [1.9610e-01, 1.7598e-05, 2.3606e-02],  
 [2.6802e-01, 3.4279e-05, 3.0081e-02],  
 [7.3526e-02, 1.9522e-06, 9.0144e-03],  
 [2.9823e-01, 2.7508e-05, 2.9964e-02],  
 [7.6178e+01, 4.7613e-01, 1.5386e+00],  
 [3.2672e-01, 1.5966e-05, 3.3030e-02],  
 [1.7943e-03, 3.0582e-09, 2.8706e-04],  
 [1.3416e+02, 3.1230e+00, 3.9821e+00],  
 [9.5037e-01, 5.3025e-05, 6.1291e-02],  
 [6.4005e+01, 5.0793e-01, 2.6432e+00],  
 [4.2558e+01, 3.0032e-01, 1.1439e+00],  
 [6.8979e-01, 2.2052e-04, 8.2778e-02],  
 [1.6267e+02, 3.4367e+00, 3.0857e+00],  
 [1.1774e+00, 3.2765e-04, 9.2501e-02],  
 [8.0404e-02, 4.1143e-06, 1.1872e-02],  
 [7.8919e-01, 6.7760e-05, 8.9336e-02],  
 [1.7058e+00, 4.1693e-04, 1.3527e-01],  
 [3.8503e-01, 1.3070e-04, 4.6376e-02],  
 [1.4713e+01, 9.5734e-02, 1.2885e+00],  
 [9.3040e-01, 5.8698e-04, 1.2028e-01],

[1.3043e+00, 4.1439e-05, 8.6336e-02],  
 [6.1751e+01, 7.9948e-01, 1.4245e+00],  
 [9.4445e+01, 2.0829e+00, 3.1341e+00],  
 [4.3424e-01, 1.2693e-04, 5.3309e-02],  
 [1.1678e-01, 2.0093e-06, 1.7056e-02],  
 [1.3648e-02, 1.1405e-07, 2.1229e-03],  
 [4.4617e-02, 1.8179e-07, 5.8539e-03],  
 [1.6257e+01, 1.9912e-02, 8.9115e-01],  
 [1.2864e+01, 3.3069e-02, 4.8178e-01],  
 [6.3745e-01, 1.0365e-04, 6.2725e-02],  
 [6.6376e+01, 7.2494e-01, 2.7000e+00],  
 [2.3267e+02, 5.8299e-01, 3.8575e+00],  
 [2.4909e+01, 8.0415e-02, 1.1364e+00],  
 [1.6804e-01, 3.9972e-06, 2.0033e-02],  
 [2.0673e+01, 1.2508e-01, 1.6772e+00],  
 [1.9275e+00, 9.9895e-04, 1.8389e-01],  
 [5.9220e+01, 1.1867e-01, 1.4494e+00],  
 [1.2948e+01, 6.9703e-02, 6.1649e-01],  
 [3.3620e+01, 1.1470e-01, 1.8822e+00],  
 [4.1828e-03, 2.5334e-08, 6.6404e-04],  
 [3.0774e+01, 2.6642e-01, 1.1510e+00],  
 [2.0296e+01, 6.5954e-02, 1.8129e+00],  
 [4.8150e-02, 1.1238e-06, 6.3641e-03],  
 [1.3932e+00, 3.2770e-04, 8.1855e-02],  
 [1.0118e+02, 4.6292e-01, 2.1164e+00],  
 [5.1108e+01, 1.6758e-01, 2.3851e+00],  
 [2.8584e-01, 4.6738e-05, 3.0607e-02],  
 [1.1912e+02, 1.4413e+00, 4.4513e+00],  
 [7.6320e-01, 6.1086e-05, 6.2817e-02],  
 [3.0103e+02, 1.4032e+00, 4.8770e+00],  
 [1.0226e+02, 1.3952e-01, 2.1199e+00],  
 [4.7946e+01, 7.6031e-01, 1.6505e+00],  
 [1.8820e+01, 5.8957e-02, 1.3177e+00],  
 [2.9751e+00, 1.6053e-03, 3.0872e-01],  
 [2.6552e+01, 1.8750e-01, 1.4142e+00],  
 [4.6517e+00, 6.6586e-04, 4.8101e-01],  
 [1.2206e+00, 4.3049e-04, 1.0324e-01],  
 [1.8872e+01, 2.0815e-03, 5.5198e-01],  
 [1.9339e+01, 8.5815e-02, 1.1207e+00],  
 [1.4230e+01, 1.6627e-02, 6.4833e-01],  
 [7.2816e+01, 1.0506e+00, 2.0203e+00],  
 [7.6831e-01, 2.6129e-04, 6.0902e-02],  
 [4.6423e+01, 7.2526e-02, 1.1553e+00],  
 [2.0679e+01, 1.2565e-01, 9.7829e-01],  
 [1.0379e+02, 2.0926e+00, 2.7504e+00],  
 [6.6004e+00, 4.8831e-03, 4.3834e-01],  
 [1.9163e-01, 6.6602e-06, 2.5431e-02],  
 [3.3170e+01, 4.6339e-02, 2.4099e+00],

[7.1253e-01, 8.9986e-05, 9.2390e-02],  
 [1.9432e+00, 9.7607e-04, 1.9123e-01],  
 [2.3766e+00, 3.7817e-04, 1.2356e-01],  
 [6.3076e+01, 2.6066e-02, 2.2007e+00],  
 [3.6812e-02, 8.2497e-08, 5.0705e-03],  
 [7.6594e+01, 2.0303e+00, 2.1749e+00],  
 [7.3693e-01, 2.1547e-04, 6.4297e-02],  
 [2.6070e+01, 2.1054e-01, 1.0417e+00],  
 [4.0226e+01, 3.9992e-01, 1.0880e+00],  
 [8.6360e-01, 2.8275e-04, 1.0486e-01],  
 [7.0076e-03, 1.5993e-08, 1.0899e-03],  
 [7.8778e+00, 3.9701e-03, 6.5226e-01],  
 [7.3748e-01, 9.6407e-05, 5.9352e-02],  
 [3.8645e+01, 1.4044e-01, 1.5112e+00],  
 [4.5331e-01, 4.8861e-05, 3.8978e-02],  
 [4.5305e+01, 2.7114e-01, 1.2528e+00],  
 [3.0378e+01, 3.0455e-01, 1.8038e+00],  
 [7.0648e-02, 6.1271e-06, 9.6038e-03],  
 [2.1040e-01, 1.6567e-05, 2.1657e-02],  
 [1.0094e+02, 3.0597e+00, 3.8099e+00],  
 [1.8914e+01, 1.2030e-02, 6.3581e-01],  
 [3.6656e+00, 1.1745e-03, 2.3562e-01],  
 [9.1909e-01, 7.6558e-05, 1.1704e-01],  
 [3.9287e+01, 3.8538e-02, 2.1907e+00],  
 [1.9898e+02, 8.4437e+00, 4.7345e+00],  
 [2.0257e+00, 3.3105e-03, 1.9375e-01],  
 [5.8372e+01, 1.4238e-01, 3.4139e+00],  
 [4.5146e+01, 2.6433e-01, 1.8761e+00],  
 [1.2668e+01, 3.7157e-02, 5.0611e-01],  
 [1.4125e+00, 1.6470e-03, 1.4057e-01],  
 [1.2877e+01, 3.4087e-02, 6.9438e-01],  
 [1.0756e+02, 1.4246e+00, 2.5139e+00],  
 [2.2096e-01, 1.1296e-05, 2.5429e-02],  
 [8.1119e+00, 6.3123e-03, 3.7737e-01],  
 [3.5727e+01, 1.2311e-01, 1.5665e+00],  
 [2.3642e+01, 4.0250e-02, 7.5506e-01],  
 [8.9148e-01, 1.6404e-05, 5.5776e-02],  
 [1.0463e+02, 9.6829e-01, 3.5196e+00],  
 [5.8897e-01, 1.2710e-04, 6.9386e-02],  
 [4.3968e-01, 5.8579e-06, 4.6410e-02],  
 [1.5842e+02, 2.4191e+00, 3.0942e+00],  
 [2.1485e+02, 3.4671e+00, 4.9500e+00],  
 [2.6283e-02, 1.8198e-07, 3.6719e-03],  
 [8.8851e+01, 2.0998e+00, 2.6823e+00],  
 [8.4760e-02, 1.0994e-06, 1.1991e-02],  
 [2.9224e+01, 2.3021e-01, 1.6382e+00],  
 [1.6973e+01, 3.5067e-02, 7.6805e-01],  
 [1.5443e-02, 4.4121e-08, 2.4320e-03],

[1.1319e+00, 2.8337e-04, 1.2644e-01],  
 [2.1708e+01, 1.1393e-01, 1.1379e+00],  
 [2.1256e+01, 8.8689e-02, 9.5141e-01],  
 [2.1204e+00, 4.6587e-04, 1.0349e-01],  
 [1.6451e-01, 1.1598e-05, 1.7596e-02],  
 [8.7934e+00, 1.3920e-03, 5.9879e-01],  
 [9.1184e+01, 1.8520e+00, 2.5430e+00],  
 [9.2010e+00, 1.8598e-02, 6.9734e-01],  
 [5.6313e+00, 4.3736e-03, 5.4437e-01],  
 [2.1086e+00, 6.0544e-04, 1.5197e-01],  
 [6.6278e+00, 6.1534e-03, 8.0451e-01],  
 [2.9549e-02, 3.8612e-07, 4.3830e-03],  
 [4.6693e-01, 8.2119e-05, 3.8125e-02],  
 [6.1106e-01, 3.0763e-04, 6.0992e-02],  
 [1.3102e-01, 5.1108e-06, 1.7075e-02],  
 [1.0287e+01, 5.6979e-02, 9.0255e-01],  
 [3.1073e+01, 2.1687e-01, 1.0219e+00],  
 [3.9851e+00, 1.1825e-03, 2.7666e-01],  
 [4.9033e-01, 2.0017e-04, 5.9589e-02],  
 [2.1933e+01, 4.2731e-02, 6.8379e-01],  
 [2.9234e+00, 2.3254e-03, 2.6172e-01],  
 [8.1287e-01, 1.5445e-04, 7.9580e-02],  
 [5.6479e+00, 2.1142e-03, 3.8288e-01],  
 [5.1118e+00, 2.0494e-03, 1.9928e-01],  
 [4.4525e-01, 1.3041e-05, 4.5964e-02],  
 [3.0853e-01, 8.2118e-05, 4.4549e-02],  
 [6.9216e+01, 3.7108e-01, 3.4658e+00],  
 [4.4583e+01, 1.5575e-01, 1.0867e+00],  
 [6.4756e+01, 8.2205e-01, 1.8790e+00],  
 [9.1318e-03, 2.1457e-08, 1.3706e-03],  
 [6.1060e+00, 4.4554e-03, 7.3363e-01],  
 [7.7699e+00, 8.3033e-03, 3.4188e-01],  
 [2.5614e+00, 1.3212e-03, 2.1480e-01],  
 [1.6437e+00, 1.4036e-03, 1.2853e-01],  
 [2.0485e+02, 1.3424e+00, 3.2002e+00],  
 [8.9925e+00, 9.4807e-03, 5.5712e-01],  
 [9.2642e+01, 6.0109e-01, 2.3201e+00],  
 [2.6494e+01, 6.1578e-02, 7.4553e-01],  
 [2.8686e-02, 6.0438e-07, 4.3733e-03],  
 [6.8295e+00, 1.2350e-02, 4.1572e-01],  
 [1.1189e+01, 4.2107e-02, 5.6738e-01],  
 [1.2309e+01, 4.6811e-02, 7.4350e-01],  
 [1.9712e+00, 5.2251e-04, 1.3333e-01],  
 [4.1610e+00, 6.4055e-03, 2.7691e-01],  
 [3.7957e-01, 2.6167e-05, 4.0600e-02],  
 [6.8674e+01, 7.5341e-01, 1.7802e+00],  
 [5.1972e+01, 2.9517e-02, 1.5188e+00],  
 [5.1094e-01, 1.0396e-04, 4.4655e-02],

[6.0305e+01, 4.3649e-02, 2.1258e+00],  
 [7.6520e+00, 7.7931e-03, 7.6671e-01],  
 [8.5930e+01, 8.6970e-01, 1.5479e+00],  
 [6.0223e+00, 8.6692e-03, 3.4684e-01],  
 [2.7908e+01, 3.9369e-01, 1.9213e+00],  
 [9.6773e+01, 1.8046e+00, 2.2886e+00],  
 [2.0090e+01, 7.9701e-02, 6.3788e-01],  
 [3.9627e+00, 3.2628e-03, 2.0127e-01],  
 [6.1188e+00, 7.6462e-03, 5.0557e-01],  
 [2.5176e+00, 2.9320e-03, 2.4243e-01],  
 [3.8776e-01, 1.1377e-04, 5.2063e-02],  
 [1.6511e+01, 3.8050e-02, 8.5018e-01],  
 [3.7726e-01, 5.1027e-05, 3.2496e-02],  
 [6.6453e+00, 2.3640e-02, 5.3218e-01],  
 [1.3327e+02, 3.0984e+00, 3.1472e+00],  
 [2.4370e+01, 1.5685e-01, 1.1517e+00],  
 [7.1070e+01, 6.1053e-01, 1.5040e+00],  
 [4.4668e-02, 1.8534e-06, 6.6220e-03],  
 [1.1644e+01, 3.4124e-02, 5.5767e-01],  
 [4.4877e-01, 1.3369e-04, 6.4783e-02],  
 [4.8463e-01, 1.0915e-04, 6.0349e-02],  
 [1.4145e+00, 5.4259e-04, 1.4540e-01],  
 [5.5577e+00, 1.0534e-02, 4.9121e-01],  
 [1.5840e-02, 6.7667e-08, 2.3184e-03],  
 [2.6324e-02, 4.8948e-07, 3.8394e-03],  
 [1.3011e+01, 2.6565e-02, 1.2362e+00],  
 [9.5268e-01, 9.4429e-05, 7.0444e-02],  
 [1.7350e-01, 4.3897e-06, 2.2781e-02],  
 [1.6089e+02, 7.5555e-01, 4.6811e+00],  
 [3.6296e+00, 4.4390e-03, 3.4301e-01],  
 [3.2597e+00, 6.8229e-03, 2.6855e-01],  
 [4.2741e-03, 2.9982e-09, 6.6665e-04],  
 [3.4018e+00, 6.6623e-03, 3.1428e-01],  
 [1.9738e+00, 1.8679e-04, 1.1674e-01],  
 [9.3930e+00, 1.8771e-02, 5.3948e-01],  
 [6.0852e-01, 2.0656e-05, 5.0101e-02],  
 [1.3733e-01, 1.1524e-05, 1.7770e-02],  
 [5.1914e+00, 4.4075e-04, 3.3012e-01],  
 [7.1656e+01, 6.9862e-01, 1.9532e+00],  
 [1.7422e+02, 8.8433e-01, 3.2171e+00],  
 [7.4391e+00, 8.6145e-03, 5.1425e-01],  
 [6.3895e-03, 1.0949e-08, 9.8956e-04],  
 [1.0397e+02, 2.7336e+00, 3.6389e+00],  
 [5.7900e+01, 2.3273e-01, 1.6061e+00],  
 [4.5907e+01, 3.2862e-01, 2.0667e+00],  
 [7.7279e+00, 7.8652e-03, 5.8309e-01],  
 [2.3402e-02, 3.9197e-07, 3.6896e-03],  
 [2.9836e-02, 1.8454e-07, 4.6331e-03],

[2.9821e+01, 4.0708e-02, 1.5223e+00],  
 [4.2540e+01, 4.1914e-01, 2.6061e+00],  
 [7.9760e+01, 1.1106e+00, 3.2329e+00],  
 [2.1322e+02, 6.9141e+00, 4.6594e+00],  
 [8.5104e-01, 1.2012e-04, 8.5166e-02],  
 [1.2690e-01, 5.1597e-06, 1.5542e-02],  
 [2.0013e+01, 2.0397e-03, 5.8616e-01],  
 [1.6231e+01, 4.5401e-02, 6.0439e-01],  
 [8.3757e-02, 2.4241e-06, 1.1941e-02],  
 [3.6554e+00, 4.7446e-03, 2.5411e-01],  
 [2.7251e+01, 1.8486e-01, 1.0495e+00],  
 [8.9854e+01, 1.3413e+00, 2.5196e+00],  
 [5.0193e-01, 8.1284e-05, 6.5459e-02],  
 [2.3000e+00, 7.9397e-04, 1.3939e-01],  
 [7.3068e+01, 3.4156e-01, 3.2343e+00],  
 [8.7124e-02, 3.4640e-06, 1.1916e-02],  
 [4.6976e-01, 2.7413e-05, 4.6592e-02],  
 [1.0538e+02, 4.2044e-01, 2.0889e+00],  
 [2.1232e+01, 5.0279e-02, 5.4851e-01],  
 [3.5914e-01, 8.8032e-05, 4.4862e-02],  
 [7.0457e-01, 6.9693e-05, 8.2079e-02],  
 [9.4077e-02, 1.1094e-06, 1.3327e-02],  
 [5.4739e+00, 4.2694e-03, 4.0153e-01],  
 [3.1642e+01, 9.6612e-02, 9.9620e-01],  
 [2.4413e-02, 1.1750e-07, 3.6280e-03],  
 [1.3152e+01, 5.2024e-03, 1.3883e+00],  
 [1.3805e+01, 1.0243e-02, 1.1673e+00],  
 [4.8644e-02, 2.1251e-06, 6.8391e-03],  
 [1.4039e-02, 1.4959e-07, 2.0792e-03],  
 [3.7835e+00, 5.8717e-04, 2.5041e-01],  
 [3.5806e-01, 3.4740e-05, 3.1143e-02],  
 [2.7972e-01, 1.3425e-05, 2.5056e-02],  
 [5.6342e-02, 3.2175e-06, 7.6829e-03],  
 [4.4239e+01, 6.2615e-02, 1.0780e+00],  
 [2.1385e+02, 6.2946e+00, 4.8131e+00],  
 [2.2426e+00, 1.1040e-03, 1.5848e-01],  
 [5.1814e+01, 7.0575e-01, 1.9475e+00],  
 [8.5949e+01, 4.5528e-01, 1.8293e+00],  
 [8.6230e+00, 6.4528e-03, 3.2707e-01],  
 [4.3118e-01, 1.0321e-04, 5.3017e-02],  
 [2.2705e-01, 1.1913e-05, 3.1520e-02],  
 [8.6676e+01, 9.9140e-01, 2.5105e+00],  
 [2.8232e-02, 4.0557e-08, 3.9880e-03],  
 [1.9231e+00, 1.7226e-03, 1.6319e-01],  
 [2.3071e+00, 5.1165e-03, 2.5715e-01],  
 [2.0595e-01, 2.4872e-05, 2.2783e-02],  
 [9.0791e+00, 5.9495e-02, 8.9538e-01],  
 [5.2100e+01, 3.8693e-01, 3.1922e+00],

```

[4.1417e-01, 1.5965e-06, 3.9078e-02],
[2.7842e-03, 7.8459e-09, 4.3797e-04],
[4.2131e-01, 1.7117e-05, 3.6839e-02],
[2.4682e-01, 6.7939e-06, 2.4067e-02]], dtype=torch.float64)
Iteration: 21
Inputs: tensor([[4.5684e+19, 1.2632e+02, 9.7865e+00, 5.9145e+00],
[4.8812e+19, 3.0003e+02, 6.0186e+00, 2.4021e+00],
[1.8398e+20, 1.4519e+02, 7.5640e+00, 1.0587e+00],
...,
[1.4477e+20, 1.7573e+02, 6.6964e+00, 1.7834e+00],
[2.5940e+20, 3.7038e+02, 1.1068e+01, 4.2483e+00],
[4.0038e+18, 2.5152e+02, 5.9929e+00, 7.9847e+00]], dtype=torch.float64)
Target: tensor([[8.0127e+00, 1.5738e-02, 5.5843e-01],
[1.6530e+01, 9.8574e-03, 7.8015e-01],
[7.9110e+00, 2.2563e-03, 7.5656e-01],
[8.1261e-01, 7.2503e-04, 1.0071e-01],
[1.2709e+00, 2.5161e-04, 1.6885e-01],
[1.4698e+01, 1.8738e-02, 7.7143e-01],
[6.6488e+00, 2.0778e-03, 4.0940e-01],
[7.1816e+01, 1.5914e+00, 2.0587e+00],
[4.2428e+00, 1.1202e-03, 3.3640e-01],
[1.8548e+00, 4.5202e-04, 1.4183e-01],
[4.3424e+00, 4.6695e-03, 2.5221e-01],
[1.4664e+00, 2.7539e-04, 9.2998e-02],
[2.4237e-01, 2.1595e-05, 2.7902e-02],
[5.8735e-01, 1.3121e-04, 6.6931e-02],
[1.0464e+02, 7.7908e-01, 2.8432e+00],
[4.4993e+00, 2.7473e-03, 2.2382e-01],
[9.5536e+01, 8.2895e-01, 1.7150e+00],
[1.3603e+00, 4.2342e-04, 9.3645e-02],
[3.7831e+01, 2.4874e-01, 2.4537e+00],
[1.3566e+00, 3.1394e-04, 1.5153e-01],
[1.0509e+02, 1.5561e+00, 2.8726e+00],
[4.4338e+00, 7.1330e-03, 4.5085e-01],
[2.6328e+01, 1.5835e-02, 9.3105e-01],
[2.9747e-01, 8.6134e-06, 3.5330e-02],
[7.0074e-01, 9.2059e-05, 6.7173e-02],
[3.7534e+00, 8.0742e-03, 4.2433e-01],
[4.3148e-03, 3.2021e-09, 6.8772e-04],
[3.0655e+01, 1.1624e-01, 8.7918e-01],
[2.1108e+02, 9.2142e+00, 4.1956e+00],
[8.1673e+00, 7.6339e-03, 5.2776e-01],
[2.2470e+02, 5.5184e+00, 4.6716e+00],
[1.3309e-02, 3.7672e-08, 2.0293e-03],
[2.2042e+01, 2.1760e-02, 7.6795e-01],
[4.8904e+00, 1.5092e-03, 3.2498e-01],
[2.4748e+00, 1.9488e-03, 1.9580e-01],
[2.0821e+01, 1.2250e-01, 1.2710e+00],

```



[1.1377e-01, 5.7749e-06, 1.5894e-02],  
 [1.1367e-02, 5.7634e-09, 1.7167e-03],  
 [1.8059e+02, 3.5515e+00, 3.5733e+00],  
 [3.7734e+00, 4.2582e-03, 2.0873e-01],  
 [1.4768e+02, 1.4670e+00, 3.7995e+00],  
 [3.3442e-01, 4.9955e-05, 4.2577e-02],  
 [7.3782e-03, 2.2132e-08, 1.1309e-03],  
 [4.2346e+00, 2.8477e-03, 3.5336e-01],  
 [8.2245e+00, 7.9599e-03, 4.1819e-01],  
 [2.6636e-01, 5.6224e-05, 3.3341e-02],  
 [1.3009e+02, 5.8103e-01, 3.2483e+00],  
 [4.4415e+01, 2.9952e-02, 2.1491e+00],  
 [1.3644e+01, 6.6573e-03, 8.0815e-01],  
 [3.3359e+01, 2.0806e-02, 1.4159e+00],  
 [1.2168e+02, 2.2881e+00, 3.6005e+00],  
 [4.0212e-02, 1.2285e-06, 5.9505e-03],  
 [1.6622e+00, 1.6728e-03, 1.7195e-01],  
 [6.9843e+01, 1.5819e+00, 2.7537e+00],  
 [1.5947e+01, 5.8354e-02, 1.2692e+00],  
 [6.9125e+01, 4.2560e-01, 3.3836e+00],  
 [5.7638e+01, 8.5389e-02, 2.6212e+00],  
 [7.6640e+01, 5.0699e-01, 3.0904e+00],  
 [2.1133e+00, 2.1362e-03, 1.6635e-01],  
 [1.1737e+00, 3.1423e-04, 8.3969e-02],  
 [8.0950e-03, 1.7520e-08, 1.2397e-03],  
 [2.3807e+00, 1.6978e-03, 2.1422e-01],  
 [9.4626e-03, 5.5391e-08, 1.4197e-03],  
 [7.0828e-01, 3.1502e-04, 8.0357e-02],  
 [1.8160e-02, 6.0934e-08, 2.7545e-03],  
 [3.7823e-01, 5.9847e-05, 3.6567e-02],  
 [6.1212e-02, 1.0681e-06, 7.8876e-03],  
 [5.7191e+01, 5.8636e-01, 1.5630e+00],  
 [5.6656e+01, 5.0015e-01, 1.6995e+00],  
 [4.8203e-01, 1.4669e-04, 4.9347e-02],  
 [1.0835e+02, 2.6071e-01, 2.2875e+00],  
 [2.9603e-02, 3.3868e-07, 4.3647e-03],  
 [8.0229e+00, 5.1571e-03, 4.3288e-01],  
 [2.7466e+00, 1.0143e-02, 3.0811e-01],  
 [2.5293e+02, 5.4854e+00, 4.3476e+00],  
 [6.6590e+01, 1.0269e+00, 2.2052e+00],  
 [7.8846e+00, 1.3362e-02, 3.7484e-01],  
 [7.2840e-02, 1.9606e-06, 9.1219e-03],  
 [9.5898e+01, 1.0156e+00, 2.1764e+00],  
 [6.8219e+01, 5.2613e-01, 3.1478e+00],  
 [4.7434e+01, 2.9173e-01, 1.7413e+00],  
 [3.5211e+00, 6.8633e-03, 3.8911e-01],  
 [3.0298e+00, 2.1038e-03, 2.4150e-01],  
 [3.6839e+01, 5.1264e-01, 2.1226e+00],

[8.3856e+01, 1.5246e-01, 3.4345e+00],  
 [6.0805e+00, 1.6660e-02, 6.1299e-01],  
 [1.1695e-01, 6.0649e-07, 1.3546e-02],  
 [5.9006e-01, 3.0858e-05, 6.6902e-02],  
 [2.3677e+01, 1.9097e-01, 1.3635e+00],  
 [1.4597e+00, 3.0292e-04, 1.2493e-01],  
 [3.0954e+01, 1.2885e-01, 9.5628e-01],  
 [9.8318e-01, 2.0700e-04, 8.7163e-02],  
 [1.5489e+01, 6.0604e-03, 8.0020e-01],  
 [1.2836e+02, 2.0651e+00, 3.4921e+00],  
 [6.9659e+01, 9.0249e-01, 1.7596e+00],  
 [8.3722e-01, 7.2159e-05, 6.5004e-02],  
 [4.2657e+01, 9.5198e-02, 1.0678e+00],  
 [6.2310e+00, 2.4828e-03, 4.5420e-01],  
 [8.0250e+00, 1.8624e-03, 6.7213e-01],  
 [1.1890e+01, 5.7955e-02, 7.2551e-01],  
 [1.4499e+02, 2.3645e+00, 3.5467e+00],  
 [9.2378e-01, 8.7332e-05, 9.4148e-02],  
 [2.2406e+01, 2.4682e-01, 1.6326e+00],  
 [4.6291e-01, 6.1344e-05, 3.8687e-02],  
 [2.3312e+00, 2.7798e-03, 2.7774e-01],  
 [5.4085e-02, 1.9272e-06, 8.0093e-03],  
 [2.1061e+02, 1.3339e-01, 3.9942e+00],  
 [6.7856e+01, 8.7047e-01, 2.1272e+00],  
 [1.6953e-02, 1.7448e-07, 2.6158e-03],  
 [1.8091e+01, 4.7710e-02, 9.6520e-01],  
 [9.9495e+00, 3.1483e-03, 6.3348e-01],  
 [1.7628e-01, 3.4067e-06, 2.2512e-02],  
 [1.6377e+02, 6.3996e+00, 3.6859e+00],  
 [2.0655e+02, 8.4766e-01, 4.5777e+00],  
 [9.5723e-02, 2.3986e-06, 1.3239e-02],  
 [2.0742e+02, 4.8287e+00, 3.0050e+00],  
 [4.4324e+01, 2.3836e-01, 1.4677e+00],  
 [1.5229e+00, 2.5342e-04, 1.2312e-01],  
 [9.0855e+00, 1.7314e-02, 5.7157e-01],  
 [5.3717e-01, 3.8826e-05, 3.6272e-02],  
 [3.7926e+01, 3.1483e-01, 1.0120e+00],  
 [2.1038e+01, 9.6525e-02, 8.1851e-01],  
 [5.9908e-02, 4.9144e-07, 7.9555e-03],  
 [1.8975e+00, 3.1280e-04, 1.0300e-01],  
 [1.3989e+00, 5.8191e-04, 1.1217e-01],  
 [7.8986e+00, 8.3971e-03, 4.7388e-01],  
 [5.3162e+01, 2.0973e-01, 2.1921e+00],  
 [1.2373e+01, 9.4286e-02, 8.1094e-01],  
 [2.7005e+00, 2.3404e-04, 1.9409e-01],  
 [6.1893e-02, 1.8703e-06, 7.8236e-03],  
 [1.4375e+02, 2.2626e-01, 2.7882e+00],  
 [6.7166e+01, 3.7948e-01, 1.5639e+00],

[3.0267e+00, 8.6163e-04, 2.3714e-01],  
 [3.0218e-01, 3.6679e-05, 3.1675e-02],  
 [5.1124e-01, 9.1588e-05, 6.8340e-02],  
 [2.6655e-01, 7.8289e-06, 2.5043e-02],  
 [8.6708e+01, 1.2656e+00, 2.1320e+00],  
 [9.3102e+01, 1.4324e-01, 3.1628e+00],  
 [4.6354e+01, 5.9628e-02, 2.9519e+00],  
 [7.1709e+01, 8.1973e-01, 2.1047e+00],  
 [1.0935e+00, 1.1700e-04, 7.0760e-02],  
 [4.0465e-02, 1.8517e-07, 5.5338e-03],  
 [1.4664e-01, 3.0951e-06, 1.8802e-02],  
 [7.0322e-03, 5.9336e-08, 1.0855e-03],  
 [5.4221e+01, 1.7042e-01, 1.4792e+00],  
 [7.3163e+01, 1.3119e-01, 2.0566e+00],  
 [1.0683e+02, 1.7145e+00, 2.7011e+00],  
 [4.2307e+00, 4.4210e-03, 2.3119e-01],  
 [3.9694e+00, 2.3448e-03, 2.2685e-01],  
 [2.6038e+00, 2.0421e-04, 1.9189e-01],  
 [4.9949e-01, 3.1826e-05, 4.9737e-02],  
 [2.1306e-01, 2.6243e-05, 2.6398e-02],  
 [5.0939e+00, 1.7033e-03, 4.5839e-01],  
 [2.8326e+00, 1.8365e-03, 3.1752e-01],  
 [2.8180e-01, 3.7209e-05, 3.2075e-02],  
 [3.9688e+00, 2.0273e-03, 2.9631e-01],  
 [2.5904e-01, 2.6849e-05, 2.5750e-02],  
 [2.8479e-02, 3.1485e-07, 4.2070e-03],  
 [1.6798e+02, 2.0656e+00, 2.5359e+00],  
 [6.1120e+00, 2.3863e-03, 2.7717e-01],  
 [4.0522e-02, 1.0721e-06, 5.4281e-03],  
 [1.5263e+02, 2.0313e+00, 3.0920e+00],  
 [8.2891e-03, 8.2698e-08, 1.2687e-03],  
 [6.0109e+00, 4.9683e-03, 3.8227e-01],  
 [6.2584e-01, 1.3899e-04, 7.3844e-02],  
 [5.6934e+00, 5.4119e-03, 6.6682e-01],  
 [4.5066e-01, 3.0882e-05, 3.5297e-02],  
 [3.9089e+01, 1.5879e-02, 1.0715e+00],  
 [9.9282e-02, 5.6863e-07, 1.3165e-02],  
 [4.1782e+00, 9.4096e-04, 3.1103e-01],  
 [6.7457e+00, 7.1970e-03, 3.1927e-01],  
 [3.9590e+01, 4.4557e-01, 1.6142e+00],  
 [2.1598e+00, 9.7809e-05, 1.6848e-01],  
 [2.7762e+01, 2.0299e-01, 1.5020e+00],  
 [3.3063e+01, 3.2516e-01, 1.7925e+00],  
 [1.7965e-01, 1.8508e-05, 1.7824e-02],  
 [1.1088e+01, 3.1964e-03, 5.6298e-01],  
 [2.4079e+00, 2.1209e-04, 1.6703e-01],  
 [3.8388e+00, 6.7030e-04, 2.1113e-01],  
 [4.1693e-04, 1.5187e-10, 6.8162e-05],

[5.0682e-01, 8.3672e-05, 5.4461e-02],  
[2.9910e-01, 5.6408e-05, 3.0359e-02],  
[8.2395e+01, 5.7174e-01, 3.1302e+00],  
[3.0612e+01, 1.9974e-01, 1.5906e+00],  
[9.9014e+01, 1.9615e-01, 2.3138e+00],  
[1.0095e-02, 3.9367e-08, 1.5622e-03],  
[1.4000e+02, 4.3401e+00, 4.0536e+00],  
[7.3280e-01, 2.1528e-04, 5.7387e-02],  
[2.9608e+02, 1.4753e+01, 4.9191e+00],  
[5.7569e+00, 3.1837e-03, 3.7810e-01],  
[3.1282e+01, 1.7523e-01, 1.3069e+00],  
[3.3088e+01, 2.1469e-01, 1.0371e+00],  
[2.7707e+01, 5.4100e-02, 1.3614e+00],  
[1.1935e+01, 4.2256e-02, 5.1561e-01],  
[7.1557e-01, 7.2594e-05, 8.4307e-02],  
[3.3857e-02, 2.9225e-07, 4.7038e-03],  
[6.0006e+00, 3.5790e-03, 6.2686e-01],  
[6.9468e+01, 8.1004e-01, 1.7675e+00],  
[7.5593e-01, 3.7790e-04, 8.5241e-02],  
[4.2212e+01, 1.4136e-01, 2.2968e+00],  
[2.0317e+02, 3.3727e+00, 4.2553e+00],  
[8.2906e-02, 3.9932e-06, 9.8953e-03],  
[3.3767e-01, 4.2034e-05, 3.0996e-02],  
[2.3861e+00, 6.0845e-04, 2.4389e-01],  
[1.2360e+02, 1.7629e+00, 2.5157e+00],  
[2.9629e+01, 2.8204e-02, 8.9189e-01],  
[2.2927e+01, 8.0922e-02, 1.8898e+00],  
[5.7148e-01, 5.5127e-05, 5.9708e-02],  
[4.8533e+00, 2.8268e-03, 3.7150e-01],  
[2.2177e-01, 1.8711e-05, 2.4899e-02],  
[3.1869e+01, 1.7454e-01, 1.0463e+00],  
[3.2779e+00, 3.1304e-03, 2.2080e-01],  
[1.7130e+00, 3.2483e-04, 1.0682e-01],  
[3.8398e+01, 1.3906e-01, 2.2310e+00],  
[7.1833e+01, 2.2275e-01, 2.5672e+00],  
[8.8421e+00, 2.8332e-02, 4.8853e-01],  
[6.3013e+01, 3.5519e-01, 1.8625e+00],  
[1.7812e+02, 2.7723e+00, 3.5500e+00],  
[1.2045e+01, 2.2755e-02, 6.4755e-01],  
[1.2502e+00, 1.1055e-03, 1.1648e-01],  
[3.7045e+00, 4.7448e-03, 2.6701e-01],  
[1.0555e+01, 1.5965e-02, 4.0822e-01],  
[4.3296e-01, 1.4063e-04, 6.3967e-02],  
[4.7299e+01, 6.2314e-01, 1.2677e+00],  
[2.3167e+01, 4.9581e-02, 1.0063e+00],  
[1.7068e+02, 1.2260e-01, 4.4321e+00],  
[1.2947e+01, 5.6846e-02, 8.3461e-01],  
[3.8139e+01, 2.5003e-01, 1.0332e+00],

[1.5905e+02, 3.8656e+00, 3.4077e+00],  
 [8.8882e-02, 3.4998e-07, 1.1153e-02],  
 [2.7916e+00, 2.3306e-04, 2.2851e-01],  
 [6.0904e+00, 2.9322e-02, 5.3948e-01],  
 [1.5253e+01, 9.4492e-02, 1.1232e+00],  
 [1.0591e+01, 1.5259e-02, 4.6429e-01],  
 [1.5159e+01, 2.3872e-01, 1.4102e+00],  
 [1.9084e-01, 1.1869e-05, 1.9687e-02],  
 [2.0841e+00, 1.8611e-03, 2.0468e-01],  
 [7.2581e+00, 4.0093e-03, 6.0137e-01],  
 [8.3217e+01, 4.7819e-01, 1.9586e+00],  
 [1.0308e-01, 4.3101e-06, 1.3491e-02],  
 [2.7258e-02, 1.8564e-07, 3.8857e-03],  
 [5.5481e-01, 6.0123e-05, 4.3046e-02],  
 [8.7516e+00, 2.5222e-03, 6.3195e-01],  
 [4.5599e-03, 2.2839e-09, 7.2475e-04],  
 [1.3224e+00, 3.4438e-04, 1.2599e-01],  
 [1.4518e-02, 9.9681e-08, 2.2124e-03],  
 [7.3619e+01, 4.5595e-01, 1.4284e+00],  
 [7.3084e+00, 2.5811e-02, 7.4489e-01],  
 [5.6982e+01, 5.6815e-01, 2.0196e+00],  
 [3.4708e-02, 7.2936e-07, 5.0075e-03],  
 [1.2669e+00, 1.0408e-03, 1.3660e-01],  
 [1.5522e-01, 2.2200e-06, 1.6270e-02],  
 [3.1566e+00, 1.2089e-03, 2.0484e-01],  
 [9.6548e-01, 2.1064e-04, 7.0050e-02],  
 [3.4397e-01, 5.6208e-05, 3.6616e-02],  
 [7.5765e-02, 9.0920e-07, 9.2609e-03],  
 [5.3468e+00, 1.9966e-03, 3.2657e-01],  
 [9.0278e+00, 4.1739e-03, 6.4700e-01],  
 [1.3676e+01, 1.1937e-01, 9.5043e-01],  
 [2.7450e+01, 2.2268e-01, 1.6382e+00],  
 [3.4038e-02, 1.7766e-06, 5.1496e-03],  
 [6.6410e+00, 1.2132e-03, 4.0313e-01],  
 [3.5708e-02, 6.4024e-07, 4.9517e-03],  
 [4.8218e+01, 1.8616e-01, 2.0100e+00],  
 [9.4282e+00, 3.4726e-02, 7.1089e-01],  
 [8.7836e-01, 1.7568e-04, 8.2180e-02],  
 [1.4053e+00, 1.1627e-03, 1.4276e-01],  
 [2.7414e+01, 1.0425e-01, 1.6566e+00],  
 [1.6121e-01, 1.0052e-06, 1.9155e-02],  
 [4.2164e+00, 9.5181e-04, 2.7851e-01],  
 [3.0659e+02, 2.8049e+00, 4.4337e+00],  
 [1.0946e+00, 3.1398e-04, 9.8342e-02],  
 [4.6702e-02, 1.7022e-06, 6.9925e-03],  
 [1.3821e+00, 8.6856e-04, 9.7658e-02],  
 [2.3852e-01, 1.6028e-05, 2.5244e-02],  
 [1.5070e+02, 5.5021e-01, 3.5315e+00],

```

[1.1047e+01, 4.8073e-02, 5.5998e-01],
[6.3828e+00, 7.9451e-03, 3.5483e-01],
[4.7332e+01, 5.2649e-01, 1.3620e+00],
[6.2568e+00, 6.1556e-03, 3.6518e-01],
[2.6480e+01, 3.1744e-02, 1.5654e+00],
[6.6511e-02, 2.5838e-06, 9.4627e-03],
[2.6507e+01, 5.6255e-02, 1.5106e+00],
[1.2636e+00, 2.6667e-05, 7.1936e-02],
[1.1901e-01, 6.4628e-06, 1.5177e-02],
[6.9779e-02, 3.9962e-07, 1.0338e-02],
[6.2185e+01, 4.0695e-01, 1.6857e+00],
[5.4630e+00, 4.2239e-03, 3.3456e-01],
[1.1567e+01, 1.8199e-02, 5.0234e-01],
[8.5233e-01, 2.0499e-04, 6.8512e-02],
[1.3553e+00, 7.9242e-05, 1.0832e-01],
[1.1625e+01, 4.2845e-02, 5.1332e-01],
[7.0305e+01, 8.6758e-01, 1.5249e+00],
[1.2308e+01, 3.7268e-02, 8.3696e-01],
[1.3059e+02, 2.3167e-01, 3.6289e+00],
[8.6314e-03, 1.2324e-08, 1.3522e-03],
[7.2945e+00, 1.2339e-02, 4.8984e-01],
[5.6867e+00, 6.3576e-03, 3.5602e-01],
[1.6741e+01, 5.3653e-02, 7.7770e-01],
[7.3774e-01, 1.8641e-04, 6.0431e-02],
[1.9973e-01, 4.0817e-05, 2.5182e-02],
[5.2607e+01, 4.0976e-01, 1.1850e+00],
[9.5803e-01, 1.9145e-04, 9.0115e-02],
[2.1040e+00, 3.1551e-03, 2.2880e-01],
[3.4097e+00, 4.0355e-03, 2.5728e-01],
[9.7695e+00, 1.5211e-02, 4.3000e-01],
[1.1634e+02, 9.0239e-01, 3.6593e+00],
[3.0666e+00, 3.1696e-03, 2.1992e-01],
[1.5818e+01, 2.5685e-02, 5.8706e-01],
[1.4287e+00, 2.9821e-04, 1.1680e-01],
[1.6638e+02, 6.9069e+00, 3.8777e+00],
[1.6052e+02, 5.7122e+00, 4.4548e+00],
[5.8480e+00, 1.0535e-02, 3.8114e-01],
[4.0477e-02, 7.6609e-07, 5.8186e-03],
[9.8232e+00, 8.4702e-03, 7.7980e-01],
[2.0991e+01, 1.5231e-01, 1.6380e+00],
[1.7109e-01, 8.4195e-06, 2.0663e-02],
[1.7324e+01, 1.1036e-02, 1.1490e+00],
[7.1083e+01, 4.2309e-01, 2.3126e+00],
[1.1751e+00, 3.0558e-04, 9.1205e-02]], dtype=torch.float64)

```

Iteration: 22

```

Inputs: tensor([[1.0949e+18, 1.2491e+02, 1.4244e+01, 7.9716e+00],
               [1.1765e+18, 2.4677e+02, 2.7485e+00, 5.8958e+00],
               [1.3750e+19, 2.1721e+02, 1.7271e+01, 7.8908e+00],

```

```

...,
[1.1605e+20, 2.2008e+02, 7.2767e+00, 7.1637e+00],
[4.7376e+18, 1.2781e+02, 1.0356e+01, 3.6851e+00],
[4.0511e+19, 1.2325e+02, 1.7480e+01, 6.9877e+00]], dtype=torch.float64)
Target: tensor([[2.0259e-02, 4.2070e-07, 2.8928e-03],
[2.3507e-01, 7.4417e-06, 2.2410e-02],
[2.5130e+00, 3.1265e-03, 2.0726e-01],
[1.8857e+00, 4.7360e-04, 1.1924e-01],
[6.1908e+00, 1.1383e-02, 5.5372e-01],
[4.5558e+00, 1.7087e-03, 5.6122e-01],
[1.3132e+00, 3.8567e-04, 8.3487e-02],
[4.3740e+01, 4.6923e-01, 1.0841e+00],
[3.8635e+01, 2.7375e-01, 1.0846e+00],
[1.0104e+02, 3.0607e+00, 3.5382e+00],
[1.9099e+02, 6.8901e+00, 4.8908e+00],
[1.0676e+02, 3.8137e-01, 3.0386e+00],
[3.3050e+00, 1.2622e-03, 1.6053e-01],
[9.9159e-01, 2.2050e-04, 9.1329e-02],
[1.4068e+01, 2.8591e-02, 5.5661e-01],
[1.0921e+02, 1.3069e+00, 4.3538e+00],
[5.3926e+01, 1.0368e-01, 1.8737e+00],
[1.0226e+00, 3.6114e-04, 8.5828e-02],
[1.5205e+01, 3.3445e-02, 8.5073e-01],
[1.8926e+00, 8.9360e-04, 1.2806e-01],
[1.5838e+02, 4.9803e+00, 3.6721e+00],
[2.7346e+01, 4.2389e-01, 1.7972e+00],
[1.8462e+01, 4.7154e-02, 5.5215e-01],
[7.3439e-01, 1.7049e-04, 7.0311e-02],
[1.4503e+02, 8.1970e-01, 3.1723e+00],
[7.1788e+00, 1.4794e-02, 4.6368e-01],
[1.1433e+01, 3.7255e-02, 5.6750e-01],
[2.4190e+02, 7.4329e+00, 4.4010e+00],
[3.9333e-01, 2.1002e-05, 3.4455e-02],
[6.7258e-01, 4.7012e-04, 8.7751e-02],
[2.3307e+01, 1.2387e-02, 9.9814e-01],
[1.4765e+02, 5.4728e-01, 4.5701e+00],
[4.7539e-01, 5.2464e-05, 5.1929e-02],
[3.8544e-03, 2.1473e-08, 6.1187e-04],
[2.9497e-01, 1.3379e-05, 3.2549e-02],
[7.2501e+01, 1.9231e-01, 3.7187e+00],
[9.4727e+01, 2.8463e-01, 3.1748e+00],
[4.5344e+00, 1.5910e-02, 4.8984e-01],
[7.3917e+01, 2.6886e-01, 3.0267e+00],
[1.3403e+02, 1.6767e+00, 3.8975e+00],
[3.2278e-02, 2.7612e-07, 4.5180e-03],
[1.2014e+00, 5.5719e-04, 1.1144e-01],
[9.7888e-01, 5.0806e-04, 7.9013e-02],
[4.1013e+01, 6.4469e-02, 1.8567e+00],

```

[1.5550e-01, 2.3027e-06, 1.9533e-02],  
[1.7577e+00, 9.7537e-04, 1.6041e-01],  
[2.5386e+00, 3.4176e-04, 1.5992e-01],  
[2.3716e+01, 4.1793e-01, 2.0122e+00],  
[3.9890e+00, 2.1878e-04, 2.3921e-01],  
[1.5616e+00, 3.4192e-04, 1.3561e-01],  
[3.3396e+01, 2.8477e-01, 1.0500e+00],  
[9.2045e+01, 1.1540e-01, 3.7078e+00],  
[2.0738e-02, 1.0566e-07, 3.0020e-03],  
[3.6579e-01, 2.9648e-05, 3.2443e-02],  
[2.0081e-02, 1.4120e-07, 2.9794e-03],  
[1.0999e+00, 3.4635e-04, 1.3221e-01],  
[8.8396e+01, 3.2675e-01, 3.1009e+00],  
[4.4769e+01, 2.1604e-01, 2.2682e+00],  
[5.8676e-01, 2.7982e-05, 6.9955e-02],  
[2.9384e+00, 1.8536e-03, 2.4083e-01],  
[7.4743e+00, 3.8766e-03, 2.9583e-01],  
[1.5989e+01, 9.7773e-02, 6.9082e-01],  
[5.0558e+01, 6.5434e-02, 1.6370e+00],  
[3.9257e+01, 3.3104e-01, 1.6978e+00],  
[1.5192e+01, 6.1180e-02, 5.8775e-01],  
[1.8360e-02, 1.6802e-07, 2.7136e-03],  
[7.4912e+00, 8.5136e-03, 4.6840e-01],  
[6.4249e+00, 1.0791e-02, 4.9429e-01],  
[2.0646e+02, 1.1808e+00, 4.4284e+00],  
[9.3808e+00, 8.1016e-02, 9.2078e-01],  
[2.4648e+02, 6.0276e+00, 4.9678e+00],  
[7.0445e+00, 1.4399e-02, 3.3798e-01],  
[1.2312e+02, 2.6225e+00, 3.3355e+00],  
[4.2901e-01, 7.6572e-05, 5.0084e-02],  
[1.9163e+01, 1.0524e-01, 7.0137e-01],  
[2.1295e+02, 2.8587e-01, 4.1638e+00],  
[6.4498e-01, 2.2117e-04, 6.0778e-02],  
[2.1211e+02, 1.0516e+00, 3.5241e+00],  
[7.8247e+01, 1.8926e+00, 2.9084e+00],  
[7.8683e-01, 9.2881e-05, 1.1693e-01],  
[3.5140e+01, 3.1553e-01, 1.0424e+00],  
[4.0869e+01, 1.9238e-01, 1.6899e+00],  
[7.5706e+00, 2.8567e-02, 5.4982e-01],  
[3.2285e+00, 8.5245e-04, 2.6380e-01],  
[2.9652e+01, 7.2590e-02, 1.1744e+00],  
[3.8965e+00, 1.3869e-03, 3.1172e-01],  
[5.3829e-01, 1.4460e-04, 4.8666e-02],  
[4.6184e+01, 7.1270e-01, 2.5887e+00],  
[7.0700e-01, 5.3181e-05, 6.3114e-02],  
[6.5669e+01, 1.0451e+00, 1.6553e+00],  
[1.7163e+01, 2.7610e-02, 7.2042e-01],  
[3.7136e+01, 1.4728e-02, 1.4941e+00],



[4.2312e+00, 5.3221e-03, 2.5476e-01],  
 [2.6047e+01, 1.2491e-02, 8.2752e-01],  
 [2.5560e-02, 3.4333e-07, 3.5861e-03],  
 [5.9219e-01, 1.1167e-04, 5.3247e-02],  
 [5.1652e+01, 1.0268e-01, 2.9231e+00],  
 [1.6749e+00, 1.9094e-04, 1.1593e-01],  
 [1.5028e+01, 1.0574e-02, 7.4196e-01],  
 [1.8118e+00, 1.5921e-03, 2.0964e-01],  
 [1.0478e-03, 3.2843e-10, 1.6878e-04],  
 [5.4869e+01, 9.2802e-02, 2.2067e+00],  
 [4.9720e+01, 1.5923e-01, 9.6175e-01],  
 [1.0520e+02, 2.2269e+00, 2.5326e+00],  
 [2.3369e+01, 1.6136e-01, 1.6006e+00],  
 [2.8758e+01, 1.4520e-01, 7.9962e-01],  
 [7.1627e+01, 8.7184e-02, 3.7037e+00],  
 [1.1526e+00, 4.3021e-04, 9.8342e-02],  
 [9.8275e-04, 3.3183e-10, 1.5898e-04],  
 [2.2573e+02, 8.1733e+00, 4.1736e+00],  
 [1.0124e+00, 1.9879e-05, 6.8739e-02],  
 [8.3006e-04, 1.6374e-10, 1.3506e-04],  
 [2.4615e-01, 2.1813e-05, 2.7478e-02],  
 [1.2850e-02, 2.4714e-08, 2.0382e-03],  
 [5.3641e+01, 2.1877e-01, 3.2123e+00],  
 [1.6802e+00, 7.4486e-04, 1.7730e-01],  
 [3.6958e-01, 7.2315e-05, 3.4754e-02],  
 [1.3591e+02, 2.8383e-01, 2.4583e+00],  
 [2.0013e+00, 1.1470e-03, 1.2288e-01],  
 [4.8495e+00, 1.0876e-02, 3.6069e-01],  
 [1.2578e+02, 2.0539e+00, 3.3121e+00],  
 [2.6958e+00, 1.5430e-04, 1.2241e-01],  
 [7.3200e+00, 1.6442e-03, 2.9832e-01],  
 [1.0808e+02, 1.3840e+00, 3.0625e+00],  
 [6.4612e+01, 8.3637e-01, 1.8146e+00],  
 [6.5180e+00, 1.4339e-02, 3.4089e-01],  
 [7.0334e-03, 4.4038e-09, 1.1055e-03],  
 [8.0804e+01, 3.9752e-01, 1.8268e+00],  
 [1.7585e+00, 3.6834e-04, 1.0788e-01],  
 [6.9642e-01, 2.0797e-04, 8.9182e-02],  
 [1.0949e+02, 6.8196e-01, 2.9138e+00],  
 [3.2234e+01, 1.7747e-01, 1.5238e+00],  
 [6.1976e-01, 1.8542e-04, 5.5177e-02],  
 [5.2724e+00, 3.9849e-03, 2.3206e-01],  
 [5.1947e+01, 2.0761e-01, 3.1300e+00],  
 [5.7990e+00, 1.1883e-02, 3.4750e-01],  
 [1.0686e+00, 6.1345e-04, 1.0330e-01],  
 [9.9137e+01, 4.5583e-01, 2.8097e+00],  
 [3.7828e+01, 8.4529e-02, 2.1826e+00],  
 [1.3040e-02, 1.1792e-07, 1.9467e-03],

[1.9992e+00, 1.9846e-03, 1.8196e-01],  
[1.7795e+01, 5.4505e-02, 8.5467e-01],  
[1.2900e+01, 1.6856e-02, 4.7355e-01],  
[1.7466e+01, 7.9737e-02, 6.8173e-01],  
[1.0924e+01, 2.7918e-02, 5.9505e-01],  
[9.7499e-03, 1.1719e-07, 1.5294e-03],  
[3.2822e+00, 3.2479e-03, 2.9545e-01],  
[4.2252e-02, 2.4156e-07, 5.8792e-03],  
[5.0563e-02, 3.4989e-07, 7.5480e-03],  
[8.5833e-01, 6.7199e-05, 1.0577e-01],  
[5.1966e+01, 1.4648e-01, 2.4665e+00],  
[1.5876e+01, 5.0230e-02, 1.4836e+00],  
[6.4337e-01, 6.8510e-05, 6.7013e-02],  
[4.7619e+00, 1.8228e-02, 5.1829e-01],  
[2.3657e-01, 8.2400e-06, 2.3366e-02],  
[7.7879e+00, 1.8151e-02, 7.1360e-01],  
[2.1103e+02, 2.4471e+00, 4.6831e+00],  
[1.3612e+02, 6.6702e-01, 4.2795e+00],  
[3.1881e+01, 4.6782e-02, 1.1582e+00],  
[2.5682e+01, 1.5424e-01, 9.1745e-01],  
[6.9804e-01, 2.2056e-04, 6.9746e-02],  
[3.6157e-01, 1.1851e-05, 3.3388e-02],  
[1.4135e+00, 2.6052e-05, 1.0238e-01],  
[3.7972e+01, 2.5624e-01, 9.2150e-01],  
[9.4158e+01, 8.7996e-01, 4.1927e+00],  
[5.3720e-01, 6.9673e-05, 4.6506e-02],  
[8.1155e+01, 1.2973e-01, 1.7635e+00],  
[6.6358e-01, 2.4551e-04, 7.7894e-02],  
[1.2567e+00, 2.8701e-04, 1.3559e-01],  
[1.6110e-01, 1.2131e-05, 1.8267e-02],  
[2.8985e+01, 9.0329e-02, 9.3365e-01],  
[8.4639e+01, 2.7430e-01, 3.3768e+00],  
[6.9356e+01, 3.4832e-01, 2.3016e+00],  
[5.9607e+00, 1.7711e-03, 3.3970e-01],  
[4.2096e+00, 8.4311e-03, 4.5945e-01],  
[1.1242e-03, 7.2334e-10, 1.8236e-04],  
[1.3881e+01, 3.9300e-02, 8.8911e-01],  
[1.3245e+02, 2.7189e+00, 2.8638e+00],  
[1.1481e+00, 3.7316e-04, 9.3802e-02],  
[1.4564e-01, 8.9572e-07, 1.7207e-02],  
[2.5104e+02, 2.2022e-01, 4.9599e+00],  
[1.2155e-03, 5.4608e-10, 1.9599e-04],  
[1.6597e+02, 4.2015e+00, 3.3577e+00],  
[1.6115e+00, 2.2530e-03, 2.0967e-01],  
[8.4524e+00, 7.9709e-03, 3.3028e-01],  
[1.1457e+02, 1.5626e+00, 3.6913e+00],  
[6.0640e-02, 2.8316e-07, 8.5751e-03],  
[4.2167e+00, 3.2143e-03, 3.5199e-01],

[6.5524e+00, 7.6480e-03, 3.1849e-01],  
 [1.0125e+00, 6.9574e-05, 7.6371e-02],  
 [3.3644e-02, 1.5163e-06, 5.1117e-03],  
 [9.2951e+00, 7.4479e-04, 4.6966e-01],  
 [9.6724e-01, 1.0589e-04, 9.1501e-02],  
 [2.4904e+00, 3.9139e-04, 2.3079e-01],  
 [2.6223e+01, 1.0770e-01, 1.1085e+00],  
 [6.8526e-01, 1.8091e-05, 4.5944e-02],  
 [2.3661e+01, 2.2567e-01, 1.2218e+00],  
 [4.6993e-02, 2.9686e-06, 6.7582e-03],  
 [4.9718e+00, 3.3789e-03, 3.2369e-01],  
 [4.1203e+01, 3.1275e-01, 1.4895e+00],  
 [1.3320e+01, 8.7204e-02, 7.3908e-01],  
 [6.0576e-01, 4.0919e-05, 8.0522e-02],  
 [5.1504e+00, 1.5827e-03, 3.0808e-01],  
 [4.1324e+01, 6.0158e-01, 1.5504e+00],  
 [8.5726e+00, 8.3767e-03, 3.2961e-01],  
 [5.0979e-01, 6.0947e-05, 4.9637e-02],  
 [1.9306e+00, 8.9365e-04, 1.5331e-01],  
 [3.7317e-02, 1.2385e-07, 5.0884e-03],  
 [1.5936e+01, 6.3849e-02, 9.1127e-01],  
 [3.4831e-02, 1.1223e-06, 5.2559e-03],  
 [7.1668e+01, 4.3685e-01, 2.4378e+00],  
 [2.9037e+00, 1.1903e-03, 2.6120e-01],  
 [3.2433e+00, 1.9381e-03, 2.9514e-01],  
 [7.9322e+01, 1.8726e+00, 3.7032e+00],  
 [4.2298e+00, 2.9025e-03, 3.6670e-01],  
 [1.4555e+00, 4.8850e-04, 1.5444e-01],  
 [9.8363e+01, 2.7781e-01, 2.8868e+00],  
 [3.1880e+01, 2.2474e-02, 1.0643e+00],  
 [7.3721e+01, 7.8066e-01, 2.2595e+00],  
 [2.7028e-01, 5.1780e-05, 2.8158e-02],  
 [6.5046e+00, 2.5724e-03, 4.5186e-01],  
 [9.6953e+00, 2.6378e-02, 6.0154e-01],  
 [1.4187e-01, 1.4196e-05, 1.5182e-02],  
 [7.1482e+00, 1.2637e-02, 5.9802e-01],  
 [5.7268e-02, 1.3404e-06, 7.8843e-03],  
 [4.6449e-01, 9.3291e-05, 5.5371e-02],  
 [8.4237e+01, 1.6575e+00, 2.6575e+00],  
 [9.2892e-01, 2.6596e-04, 9.0316e-02],  
 [6.6618e-01, 2.0548e-04, 6.3588e-02],  
 [8.9802e+01, 3.3742e-01, 2.3491e+00],  
 [2.0372e+02, 5.9952e+00, 4.0007e+00],  
 [4.6104e-03, 1.2467e-08, 7.1891e-04],  
 [2.2929e+00, 1.8217e-03, 1.5942e-01],  
 [1.3677e+01, 1.8906e-02, 4.4070e-01],  
 [2.6266e+01, 2.1906e-02, 1.1484e+00],  
 [4.8839e+01, 6.3584e-02, 3.2276e+00],

[1.6668e+01, 3.2291e-02, 9.8376e-01],  
 [1.6847e+02, 7.1369e-01, 3.3293e+00],  
 [9.2892e+01, 5.3859e-01, 2.0619e+00],  
 [7.8670e+01, 1.0454e+00, 1.7981e+00],  
 [4.9722e+01, 1.5158e-01, 1.4586e+00],  
 [2.6394e+01, 5.0870e-02, 1.0546e+00],  
 [4.8820e+01, 3.6596e-01, 2.6391e+00],  
 [4.5854e+01, 1.7189e-01, 1.6478e+00],  
 [8.2711e+01, 1.9990e+00, 2.2524e+00],  
 [1.8720e-02, 2.7356e-07, 2.7485e-03],  
 [5.3618e-02, 1.9512e-06, 6.9618e-03],  
 [5.4382e-03, 2.4377e-09, 8.5014e-04],  
 [2.1416e+01, 9.6575e-02, 1.2055e+00],  
 [4.2770e+01, 5.8528e-01, 1.8379e+00],  
 [3.5181e+01, 3.9615e-01, 1.0605e+00],  
 [5.3676e+01, 1.8660e-01, 2.3043e+00],  
 [6.2480e-02, 7.1675e-07, 8.2625e-03],  
 [9.4808e-02, 5.9163e-06, 1.2328e-02],  
 [1.5670e+02, 6.5566e+00, 4.7787e+00],  
 [4.8660e+01, 3.4803e-01, 1.1337e+00],  
 [4.1636e+01, 5.5152e-01, 1.3555e+00],  
 [1.3376e+02, 3.8809e+00, 3.0635e+00],  
 [1.3317e+01, 3.1609e-02, 6.9888e-01],  
 [9.1273e-02, 2.1805e-06, 1.4289e-02],  
 [1.3494e+00, 1.3296e-03, 1.4738e-01],  
 [1.5157e+00, 1.2663e-04, 1.2854e-01],  
 [5.0845e-03, 4.5647e-09, 7.8514e-04],  
 [1.1797e+00, 7.0173e-04, 1.3527e-01],  
 [5.9725e-02, 7.4224e-07, 8.7963e-03],  
 [3.0022e+01, 4.7522e-01, 1.9101e+00],  
 [2.0990e-01, 2.3063e-06, 2.4338e-02],  
 [1.8687e+02, 4.0443e+00, 4.3386e+00],  
 [8.7887e+00, 1.0063e-02, 8.5847e-01],  
 [2.6996e+02, 1.1626e+01, 4.8149e+00],  
 [1.5812e+01, 1.9811e-02, 1.3442e+00],  
 [1.9287e+02, 6.2747e+00, 4.4726e+00],  
 [4.3741e+00, 1.7922e-02, 4.5130e-01],  
 [4.9118e+00, 5.3739e-03, 2.4508e-01],  
 [1.8396e-02, 3.7765e-08, 2.6849e-03],  
 [2.9495e+00, 9.1043e-04, 2.5924e-01],  
 [5.0527e+00, 1.7418e-03, 2.1480e-01],  
 [4.4393e+01, 3.4211e-01, 2.3595e+00],  
 [3.3614e+01, 3.3431e-02, 1.9143e+00],  
 [1.0345e+02, 4.8675e-02, 4.1846e+00],  
 [1.9813e+01, 1.0587e-01, 9.2991e-01],  
 [2.0199e+01, 9.2829e-03, 1.2903e+00],  
 [1.0505e+00, 8.3120e-05, 6.9847e-02],  
 [1.0524e+02, 1.8269e+00, 3.6339e+00],

```

[1.0451e+01, 1.8751e-02, 7.9225e-01],
[8.0410e+00, 1.3807e-02, 4.6383e-01],
[2.0714e+00, 2.1089e-03, 1.9225e-01],
[4.9733e+01, 2.7679e-01, 2.7824e+00],
[6.1576e-02, 1.2213e-06, 8.0934e-03],
[4.2687e-01, 5.2973e-05, 4.8437e-02],
[2.7634e+01, 2.1955e-01, 9.1114e-01],
[1.3263e-01, 7.9326e-06, 1.5971e-02],
[4.4459e+01, 3.2585e-01, 3.0702e+00],
[7.3493e+01, 5.5780e-01, 1.3110e+00],
[5.8856e-03, 1.9236e-08, 9.1458e-04],
[1.7812e-01, 8.3176e-06, 1.9012e-02],
[4.3238e+00, 3.9825e-03, 4.2540e-01],
[7.9505e-02, 2.7299e-06, 1.0957e-02],
[2.9597e+01, 1.6307e-02, 1.1224e+00],
[6.7501e+00, 6.5873e-03, 4.5658e-01],
[6.8535e-01, 6.6780e-05, 4.7811e-02],
[1.3056e-02, 6.6240e-08, 1.9713e-03],
[9.6408e+00, 3.9104e-02, 1.0494e+00],
[6.5657e-01, 1.4652e-04, 5.3857e-02],
[1.3804e+02, 6.0499e+00, 3.5902e+00],
[3.3204e+00, 7.6986e-04, 3.7780e-01],
[2.7452e+02, 9.4792e+00, 4.5456e+00],
[8.9786e-01, 3.8955e-04, 8.1918e-02],
[3.1868e+00, 7.1334e-03, 3.4280e-01],
[1.1992e+00, 5.0326e-04, 1.0657e-01],
[2.3719e+00, 5.8415e-04, 1.2737e-01],
[1.6828e-02, 6.3673e-08, 2.4881e-03],
[3.7558e-01, 7.1629e-05, 4.2194e-02],
[9.6417e-02, 4.5658e-06, 1.4384e-02],
[3.5131e+00, 1.2534e-03, 2.5092e-01],
[1.3137e+02, 9.2487e-01, 3.3607e+00],
[1.7154e+00, 1.3718e-04, 1.5735e-01],
[4.1029e+01, 2.4991e-01, 1.4476e+00],
[1.4286e-01, 5.3182e-06, 1.9005e-02],
[4.5930e+00, 1.2044e-02, 3.9259e-01]], dtype=torch.float64)
Iteration: 23
Inputs: tensor([[1.9990e+19, 3.1542e+02, 8.8449e+00, 1.8718e+00],
               [2.1073e+19, 4.2289e+02, 4.7909e+00, 8.7612e+00],
               [7.8550e+18, 3.3126e+02, 3.1011e+00, 7.7273e+00],
               ...,
               [8.5488e+18, 4.2328e+01, 1.5424e+01, 7.6805e+00],
               [2.3984e+19, 1.7332e+02, 1.9807e+01, 5.0049e+00],
               [4.4165e+19, 2.6618e+02, 1.2731e+01, 8.0442e+00]], dtype=torch.float64)
Target: tensor([[3.2190e+00, 5.5408e-04, 2.6577e-01],
               [1.7055e+01, 3.8525e-02, 5.3260e-01],
               [4.9468e+00, 2.5655e-03, 2.3349e-01],
               [1.4118e+01, 3.0177e-02, 8.0608e-01],

```

[1.7090e+02, 4.2552e-01, 3.2199e+00],  
 [2.1812e-02, 1.7691e-08, 3.3264e-03],  
 [3.4811e-01, 1.6121e-05, 4.2473e-02],  
 [6.1331e+01, 3.7264e-01, 1.5029e+00],  
 [2.0404e+02, 5.1675e+00, 4.1339e+00],  
 [3.4484e+01, 9.2195e-02, 1.6585e+00],  
 [1.6656e+01, 1.0888e-01, 1.0113e+00],  
 [6.2129e+01, 3.5234e-02, 2.1446e+00],  
 [1.7483e-01, 1.2359e-05, 1.9413e-02],  
 [2.4497e+00, 2.8147e-04, 1.5597e-01],  
 [2.6420e-01, 1.6284e-06, 2.9251e-02],  
 [1.8370e+01, 3.7649e-03, 8.0786e-01],  
 [1.1254e+00, 3.2039e-04, 1.1628e-01],  
 [5.3227e+00, 7.5803e-03, 3.2353e-01],  
 [1.2429e-03, 1.9815e-09, 2.0175e-04],  
 [1.1705e+02, 8.6635e-01, 3.8272e+00],  
 [1.3925e+02, 1.5387e+00, 4.0297e+00],  
 [6.6804e-02, 7.6551e-07, 1.0192e-02],  
 [1.1524e+00, 4.9026e-04, 1.0971e-01],  
 [2.8432e-03, 6.7888e-09, 4.5980e-04],  
 [1.4571e-01, 1.2358e-05, 1.7838e-02],  
 [2.6380e+01, 7.8467e-02, 1.9016e+00],  
 [1.4142e+01, 8.7913e-03, 6.0200e-01],  
 [1.1245e-01, 3.0781e-07, 1.2719e-02],  
 [8.4935e+00, 2.5239e-02, 5.5206e-01],  
 [1.2355e+00, 2.3027e-04, 1.2947e-01],  
 [6.8731e-01, 9.6482e-05, 6.9409e-02],  
 [2.5250e-01, 4.0326e-05, 3.2715e-02],  
 [2.2889e+00, 3.2235e-04, 1.0960e-01],  
 [2.2763e+00, 1.8696e-03, 1.7745e-01],  
 [8.9328e+01, 1.7156e+00, 2.0292e+00],  
 [2.2016e+01, 5.5374e-02, 7.7546e-01],  
 [2.4460e+01, 3.7776e-02, 1.6001e+00],  
 [1.6144e+01, 9.3110e-02, 6.8817e-01],  
 [1.0571e+02, 3.1693e+00, 2.9441e+00],  
 [1.7350e+00, 2.7144e-05, 1.2886e-01],  
 [6.4681e+01, 4.9540e-01, 2.2570e+00],  
 [3.2640e+00, 5.1277e-04, 3.3293e-01],  
 [6.2696e+01, 3.6950e-01, 2.3219e+00],  
 [1.4254e+02, 1.6069e+00, 4.0102e+00],  
 [1.7187e+02, 8.1453e+00, 4.0771e+00],  
 [1.1209e+02, 1.0377e+00, 4.2786e+00],  
 [1.0927e-02, 5.3912e-08, 1.6876e-03],  
 [6.1985e+01, 3.9436e-01, 2.4454e+00],  
 [7.8310e-01, 2.9460e-04, 7.0678e-02],  
 [1.1089e-01, 8.2415e-06, 1.3192e-02],  
 [1.6488e-01, 5.2153e-07, 1.7547e-02],  
 [1.7539e+00, 1.2595e-03, 1.2631e-01],

[1.9811e-01, 1.6927e-05, 2.0343e-02],  
 [8.4105e-01, 1.4155e-04, 1.0523e-01],  
 [6.1461e+01, 1.1793e+00, 3.4463e+00],  
 [7.6758e+00, 3.7359e-02, 5.6853e-01],  
 [2.3367e+01, 1.2357e-02, 8.2625e-01],  
 [8.2399e-03, 5.4906e-09, 1.2863e-03],  
 [2.2761e+01, 2.4015e-01, 1.1080e+00],  
 [1.6101e+00, 3.6193e-04, 1.4589e-01],  
 [1.0091e+00, 3.9943e-04, 7.5076e-02],  
 [6.9590e+01, 3.5718e-01, 1.3331e+00],  
 [3.7514e+01, 7.4559e-02, 1.2657e+00],  
 [9.4441e-02, 9.6771e-07, 1.2007e-02],  
 [2.0534e-01, 1.3587e-05, 2.0456e-02],  
 [4.0756e+01, 1.0813e-01, 1.3338e+00],  
 [1.9666e+00, 8.6977e-04, 2.5031e-01],  
 [3.9107e-03, 2.3876e-09, 6.1156e-04],  
 [4.7585e-01, 7.9577e-05, 4.8152e-02],  
 [7.6184e+01, 2.5059e-01, 2.1645e+00],  
 [1.9062e-01, 1.4023e-05, 2.3800e-02],  
 [3.8757e-02, 1.0222e-07, 5.2365e-03],  
 [2.4231e+00, 9.7257e-04, 1.9890e-01],  
 [2.7404e+00, 2.7902e-03, 2.2082e-01],  
 [9.4474e+01, 1.5223e+00, 2.3782e+00],  
 [1.1832e+02, 1.1983e+00, 2.7046e+00],  
 [4.0101e-03, 1.4582e-08, 6.2888e-04],  
 [2.6583e+01, 1.0229e-02, 9.3786e-01],  
 [2.6394e+00, 2.5808e-04, 1.5363e-01],  
 [5.9543e+00, 3.3563e-02, 5.0174e-01],  
 [2.4048e-01, 2.2754e-05, 2.7422e-02],  
 [4.6257e-01, 3.0608e-05, 4.3735e-02],  
 [3.7071e+01, 5.5549e-02, 1.6749e+00],  
 [2.4902e+01, 9.0004e-02, 1.0829e+00],  
 [1.6723e+00, 1.1666e-03, 1.2663e-01],  
 [7.4051e+00, 4.1372e-03, 4.3131e-01],  
 [3.9048e-02, 2.7479e-07, 5.3750e-03],  
 [1.7911e-01, 6.2862e-06, 2.2800e-02],  
 [9.2148e+01, 1.2177e+00, 3.7447e+00],  
 [3.2820e+00, 2.5748e-03, 2.8920e-01],  
 [1.2871e+02, 1.1021e+00, 2.8212e+00],  
 [5.9823e+00, 8.8694e-03, 3.3644e-01],  
 [4.4097e-01, 9.3266e-05, 6.0900e-02],  
 [5.0514e-03, 3.6169e-09, 7.8152e-04],  
 [5.9483e-01, 6.8257e-05, 4.3847e-02],  
 [7.4796e-02, 2.7248e-06, 9.6189e-03],  
 [2.5266e+01, 9.2409e-02, 1.1051e+00],  
 [2.0903e-01, 2.4051e-06, 2.1491e-02],  
 [1.6761e-01, 8.5739e-06, 1.8699e-02],  
 [9.8236e+01, 4.8436e-01, 1.9844e+00],

[1.2400e+00, 4.9182e-04, 9.1861e-02],  
 [5.6732e+00, 1.5426e-02, 3.7616e-01],  
 [1.2749e+00, 4.3197e-04, 1.4779e-01],  
 [7.9363e+00, 1.9380e-02, 4.3166e-01],  
 [1.2128e+00, 1.3289e-04, 1.3864e-01],  
 [6.2650e+00, 1.2918e-03, 2.3026e-01],  
 [6.5215e+00, 6.9914e-03, 4.7083e-01],  
 [4.0667e-02, 4.3414e-08, 5.4406e-03],  
 [5.4061e+00, 2.7062e-03, 3.1268e-01],  
 [1.5120e+02, 1.7290e+00, 3.2015e+00],  
 [1.7777e+01, 8.5766e-02, 1.1772e+00],  
 [3.1001e+01, 1.4583e-01, 2.1322e+00],  
 [8.4007e+00, 2.6816e-03, 6.8900e-01],  
 [4.3898e-02, 2.7309e-06, 6.0882e-03],  
 [3.1084e+00, 2.2469e-03, 1.6982e-01],  
 [3.9351e+01, 1.0949e-01, 1.6798e+00],  
 [1.1678e+01, 1.9251e-02, 3.8089e-01],  
 [1.4204e-01, 2.4195e-06, 1.5669e-02],  
 [9.0061e+01, 1.9212e+00, 2.7330e+00],  
 [7.3108e-02, 3.0473e-07, 8.8939e-03],  
 [2.7650e-01, 3.3089e-05, 2.6826e-02],  
 [1.8290e+01, 4.7487e-02, 1.0181e+00],  
 [4.5964e-01, 6.8864e-05, 4.6628e-02],  
 [1.1263e+02, 1.2398e+00, 2.5031e+00],  
 [1.3753e+01, 2.9292e-02, 6.7765e-01],  
 [1.1671e+02, 3.1411e+00, 4.1323e+00],  
 [5.4102e+00, 1.0268e-02, 3.7060e-01],  
 [1.9516e+02, 9.1567e+00, 4.5743e+00],  
 [2.0047e+00, 2.7246e-03, 2.3768e-01],  
 [1.9629e+00, 4.7627e-04, 1.5129e-01],  
 [8.0954e-03, 1.0419e-08, 1.2471e-03],  
 [9.0724e+00, 1.4777e-02, 5.8694e-01],  
 [1.3870e+01, 2.3678e-03, 6.0559e-01],  
 [1.4091e-01, 5.0431e-06, 1.7509e-02],  
 [8.4852e-01, 1.6539e-04, 6.5742e-02],  
 [9.2840e+00, 2.6000e-03, 6.1612e-01],  
 [6.1821e+00, 2.9169e-03, 4.4041e-01],  
 [2.3994e+00, 8.6351e-04, 1.8807e-01],  
 [9.3956e-02, 1.0144e-05, 1.1530e-02],  
 [4.2153e+01, 6.3450e-02, 1.4826e+00],  
 [5.0557e+00, 1.5960e-03, 4.1262e-01],  
 [6.9925e-01, 4.7355e-05, 8.0825e-02],  
 [1.1945e+00, 1.6053e-04, 7.4728e-02],  
 [2.0823e+00, 6.4352e-04, 1.5855e-01],  
 [6.3939e+01, 7.5092e-02, 1.8828e+00],  
 [9.9973e+00, 9.3722e-03, 1.0577e+00],  
 [5.1273e+01, 5.3286e-01, 2.0217e+00],  
 [3.7653e+01, 1.6858e-01, 2.2669e+00],



[9.8813e-01, 5.4956e-04, 8.8887e-02],  
[1.4683e+01, 6.6456e-03, 7.1265e-01],  
[2.5028e+02, 5.1091e+00, 4.2469e+00],  
[6.2811e+01, 2.9868e-01, 1.6569e+00],  
[3.2419e+01, 1.2781e-01, 1.5212e+00],  
[6.3659e-01, 4.0808e-05, 4.5665e-02],  
[2.0571e+01, 1.3634e-02, 1.0317e+00],  
[3.0883e-01, 3.8946e-05, 3.9642e-02],  
[6.6767e+01, 1.3299e+00, 3.5979e+00],  
[9.3509e+01, 2.3128e+00, 2.3422e+00],  
[9.1559e-02, 2.1779e-06, 1.1999e-02],  
[2.0004e-02, 2.1881e-08, 3.0032e-03],  
[1.1780e-01, 4.3755e-06, 1.4120e-02],  
[6.5684e+01, 6.0411e-01, 2.2337e+00],  
[4.6492e-02, 2.7059e-06, 6.8660e-03],  
[6.3245e+01, 1.7019e-01, 1.5122e+00],  
[3.7029e+01, 3.1484e-01, 1.4038e+00],  
[1.4315e-01, 7.9044e-06, 1.5755e-02],  
[6.2202e+00, 3.0980e-03, 5.8523e-01],  
[4.1762e+00, 3.2245e-03, 4.1603e-01],  
[3.7872e+00, 4.3751e-03, 2.3111e-01],  
[1.6011e+01, 7.5050e-02, 6.3988e-01],  
[6.2230e+01, 3.1493e-01, 1.8080e+00],  
[8.5528e+01, 4.2621e-01, 2.2273e+00],  
[1.4629e+02, 1.4617e+00, 3.7663e+00],  
[1.5373e-01, 2.8930e-06, 2.0080e-02],  
[6.0257e+01, 1.5825e-01, 1.9966e+00],  
[4.0448e+00, 2.7997e-03, 3.2222e-01],  
[2.5984e+01, 2.1960e-01, 1.3006e+00],  
[3.8014e+01, 1.8510e-01, 1.0813e+00],  
[5.3134e-01, 1.0585e-04, 6.7834e-02],  
[1.6137e+01, 4.4124e-02, 6.0880e-01],  
[2.2370e+00, 2.4465e-04, 1.0640e-01],  
[1.3898e-01, 7.9281e-06, 1.7874e-02],  
[2.4553e-01, 1.0791e-05, 3.2629e-02],  
[2.7428e+00, 1.9649e-03, 2.6579e-01],  
[3.7141e-02, 8.2118e-07, 5.4927e-03],  
[1.2715e+01, 7.9730e-03, 7.2718e-01],  
[7.1496e+00, 1.8153e-02, 4.0494e-01],  
[1.8245e+02, 3.1921e+00, 4.0288e+00],  
[3.0782e+00, 9.8228e-04, 1.4659e-01],  
[2.9039e-01, 1.2506e-05, 3.4347e-02],  
[3.5392e-01, 3.4989e-05, 4.7720e-02],  
[8.0504e+01, 6.9018e-01, 2.1566e+00],  
[7.9773e+00, 3.9243e-02, 7.5567e-01],  
[1.4309e-03, 2.2999e-09, 2.3213e-04],  
[7.5820e-02, 2.6525e-06, 9.6730e-03],  
[2.0886e-01, 3.3521e-05, 2.4097e-02],

[8.1033e+01, 3.1082e-01, 1.4444e+00],  
 [5.6622e+01, 4.9759e-01, 1.8061e+00],  
 [1.2255e+02, 4.4828e+00, 4.3543e+00],  
 [5.2710e+01, 5.0242e-01, 2.3967e+00],  
 [7.0723e+00, 6.2592e-03, 3.1232e-01],  
 [3.7577e-02, 1.0182e-06, 5.2571e-03],  
 [1.4247e+02, 2.6213e+00, 2.6930e+00],  
 [1.9285e+01, 4.3235e-02, 1.4257e+00],  
 [9.1193e+01, 1.3978e+00, 2.3230e+00],  
 [1.0103e-02, 4.9124e-08, 1.5394e-03],  
 [5.0176e+01, 4.3596e-01, 1.2411e+00],  
 [3.1514e+00, 1.4157e-03, 2.0554e-01],  
 [2.0554e+00, 1.0266e-03, 1.8324e-01],  
 [3.5677e+01, 4.9503e-02, 8.2902e-01],  
 [1.0500e+00, 2.4594e-04, 1.0403e-01],  
 [3.7386e+01, 1.6222e-01, 1.4716e+00],  
 [5.2686e-02, 2.2564e-06, 7.3846e-03],  
 [3.3107e+01, 3.3130e-01, 1.1761e+00],  
 [2.1536e-01, 6.1205e-06, 2.7521e-02],  
 [6.7049e-02, 1.4275e-06, 8.2368e-03],  
 [2.0146e+02, 3.6148e+00, 3.6713e+00],  
 [1.2397e+01, 3.1856e-03, 4.7662e-01],  
 [7.6073e-01, 5.7903e-05, 5.6078e-02],  
 [7.9136e+00, 1.8690e-02, 3.8826e-01],  
 [1.8660e+00, 3.7889e-04, 1.2544e-01],  
 [2.5450e+01, 1.2650e-01, 1.7065e+00],  
 [1.5169e+00, 1.4696e-03, 1.8426e-01],  
 [5.1399e+01, 4.9771e-02, 2.7467e+00],  
 [8.8869e-01, 3.1947e-04, 8.6119e-02],  
 [1.4765e+01, 2.3556e-02, 6.2113e-01],  
 [3.2868e+01, 1.9554e-01, 9.2847e-01],  
 [5.1167e-01, 3.4962e-05, 5.5534e-02],  
 [2.3755e-01, 6.9815e-06, 3.0603e-02],  
 [1.8843e-01, 6.4412e-06, 1.9889e-02],  
 [3.7516e+01, 2.7497e-02, 1.9141e+00],  
 [1.1765e+02, 2.3645e+00, 3.8354e+00],  
 [1.9324e+01, 1.4325e-02, 7.4855e-01],  
 [3.1536e+01, 3.3892e-01, 1.7377e+00],  
 [1.0642e-02, 5.1280e-09, 1.6261e-03],  
 [7.3664e+00, 1.1066e-02, 4.2572e-01],  
 [5.7435e+01, 3.8431e-01, 1.6046e+00],  
 [6.9550e+01, 1.9310e+00, 3.7931e+00],  
 [1.9797e+01, 2.2210e-02, 1.2192e+00],  
 [1.1263e+01, 3.9331e-02, 6.1311e-01],  
 [2.6717e+01, 4.1700e-01, 2.1000e+00],  
 [6.4357e-03, 2.3240e-08, 9.9263e-04],  
 [2.3794e+00, 1.4074e-03, 1.8472e-01],  
 [2.3343e-01, 2.4119e-05, 2.5187e-02],

[1.1114e+02, 1.1805e+00, 3.6792e+00],  
 [1.9836e+00, 1.1641e-03, 1.4003e-01],  
 [5.4590e+00, 4.4509e-03, 3.3393e-01],  
 [5.5706e+00, 2.7104e-03, 4.6188e-01],  
 [8.7625e-01, 1.8692e-04, 1.0505e-01],  
 [6.0980e+00, 1.9862e-02, 6.8749e-01],  
 [1.7701e+00, 1.5158e-03, 1.8328e-01],  
 [7.9151e-01, 9.3486e-05, 1.0639e-01],  
 [6.3971e-02, 3.9643e-06, 8.7978e-03],  
 [1.7912e+00, 3.8146e-04, 1.6968e-01],  
 [1.0908e-01, 2.3777e-06, 1.3169e-02],  
 [3.7285e+00, 4.6220e-03, 3.3881e-01],  
 [1.4848e+01, 3.8569e-02, 8.0403e-01],  
 [2.2010e+01, 4.1983e-02, 5.9843e-01],  
 [2.0483e+00, 1.4385e-03, 1.4926e-01],  
 [2.6090e+02, 4.9687e+00, 4.1005e+00],  
 [2.8818e+01, 2.9243e-02, 1.4955e+00],  
 [5.1082e+00, 4.1393e-03, 3.0154e-01],  
 [3.7900e-01, 9.2683e-05, 3.7961e-02],  
 [9.4978e-01, 2.2234e-04, 1.1756e-01],  
 [2.4823e+00, 6.3090e-03, 2.5031e-01],  
 [2.2663e+01, 1.6829e-02, 1.3607e+00],  
 [4.9722e+00, 1.3094e-02, 4.0119e-01],  
 [2.4906e-01, 6.6311e-06, 2.7629e-02],  
 [1.2188e-01, 3.3209e-06, 1.4333e-02],  
 [2.5583e+01, 3.1951e-02, 1.2131e+00],  
 [2.9147e-01, 8.1766e-06, 3.8782e-02],  
 [3.2694e+01, 4.7434e-01, 2.1444e+00],  
 [7.8140e+00, 1.0824e-02, 4.9032e-01],  
 [8.1494e+01, 7.0511e-01, 3.1533e+00],  
 [4.2753e+01, 1.7110e-01, 2.0354e+00],  
 [3.0220e+00, 3.1711e-03, 1.9228e-01],  
 [6.7597e+01, 2.9917e-01, 1.4702e+00],  
 [5.2339e+00, 1.7486e-02, 5.6284e-01],  
 [1.8485e+00, 9.6354e-04, 1.6488e-01],  
 [1.2476e+01, 1.2654e-02, 7.8319e-01],  
 [8.6688e-01, 2.0989e-05, 6.9543e-02],  
 [2.1706e-02, 1.3896e-07, 3.1360e-03],  
 [3.1694e+01, 6.1071e-02, 9.3326e-01],  
 [9.2370e-02, 4.0920e-06, 1.1374e-02],  
 [4.6898e+01, 1.9512e-01, 1.0884e+00],  
 [7.0429e+01, 1.5388e+00, 2.8052e+00],  
 [1.7892e+00, 9.6195e-04, 1.5862e-01],  
 [1.2828e+02, 4.0009e+00, 2.9306e+00],  
 [5.0810e-01, 1.0424e-05, 3.4299e-02],  
 [1.0378e-02, 3.5612e-08, 1.6095e-03],  
 [1.0912e+00, 2.8176e-04, 9.3808e-02],  
 [1.4000e+01, 1.4476e-02, 1.2636e+00],

```

[2.8500e+00, 4.5533e-04, 2.3007e-01],
[1.5187e+00, 2.6636e-04, 1.4476e-01],
[7.7192e+00, 1.6096e-02, 8.6706e-01],
[7.8956e+00, 1.3467e-02, 5.2725e-01],
[2.8366e-01, 9.4347e-06, 2.4255e-02],
[7.0349e+01, 5.1164e-01, 2.1456e+00],
[1.1300e+01, 5.5726e-02, 9.3208e-01],
[5.5518e-01, 1.1026e-05, 3.9979e-02],
[2.4999e+01, 1.1812e-01, 1.3656e+00],
[8.3805e+01, 1.6705e-01, 1.8948e+00],
[6.8184e+00, 5.5514e-03, 7.8619e-01],
[2.5729e-01, 1.1007e-05, 3.2971e-02],
[2.2251e-01, 5.3610e-05, 2.7915e-02],
[2.5845e-02, 3.7471e-07, 3.8646e-03],
[4.8806e+00, 8.2732e-03, 3.2546e-01],
[7.9252e+00, 3.9015e-03, 3.3653e-01],
[6.3156e-01, 1.6394e-04, 6.7314e-02],
[4.2616e+01, 1.6759e-01, 1.1085e+00],
[3.0310e+01, 2.8438e-02, 1.9177e+00],
[1.6182e+01, 1.8815e-02, 6.6368e-01],
[9.7580e+01, 1.1798e+00, 3.7565e+00],
[1.8270e+00, 8.4659e-04, 1.3701e-01],
[1.9186e+01, 1.0378e-01, 8.1663e-01],
[9.3660e+00, 1.6326e-02, 7.7045e-01],
[2.7142e+01, 9.6168e-02, 1.6807e+00],
[7.2302e-02, 6.4143e-06, 1.0636e-02],
[2.1275e+00, 2.0581e-03, 2.1009e-01],
[1.7414e+01, 8.3176e-02, 7.6124e-01]], dtype=torch.float64)
Iteration: 24
Inputs: tensor([[1.1806e+20, 2.0898e+02, 1.0310e+01, 6.6407e+00],
[2.3991e+18, 4.2712e+02, 1.7537e+01, 4.4665e+00],
[2.2454e+18, 9.5016e+01, 1.2455e+01, 5.5701e+00],
...,
[5.9307e+18, 4.4778e+02, 1.3777e+01, 1.1328e+00],
[1.4562e+20, 3.6764e+02, 1.4751e+01, 6.9007e+00],
[1.7430e+19, 1.3120e+02, 1.5079e+01, 2.7513e+00]]), dtype=torch.float64)
Target: tensor([[3.2904e+01, 1.9559e-01, 1.3783e+00],
[2.6018e-01, 2.1557e-05, 2.8506e-02],
[3.0723e-02, 5.6562e-07, 4.4596e-03],
[1.1646e+02, 2.5898e-01, 3.4325e+00],
[5.1801e+01, 1.7379e-01, 2.1397e+00],
[8.9784e-02, 1.1055e-06, 1.3544e-02],
[1.6611e+02, 1.3884e+00, 2.9539e+00],
[1.4287e+01, 3.5761e-02, 5.5457e-01],
[1.9328e+00, 1.3560e-03, 1.3587e-01],
[2.5518e-03, 2.1552e-09, 4.1531e-04],
[6.6819e+00, 7.1417e-03, 2.9905e-01],
[1.2940e+01, 5.8886e-02, 7.1895e-01],

```

[1.1116e+01, 6.8925e-03, 5.3402e-01],  
 [2.5605e+01, 2.2613e-02, 7.1340e-01],  
 [2.4304e+01, 1.9321e-01, 2.0634e+00],  
 [2.2223e+00, 1.7469e-03, 2.4193e-01],  
 [1.9102e+02, 3.9331e+00, 4.2730e+00],  
 [1.1301e+01, 3.1844e-03, 5.6614e-01],  
 [1.8623e+00, 1.9707e-03, 2.0313e-01],  
 [5.7833e+01, 1.6297e-01, 1.7459e+00],  
 [1.0957e+00, 1.9985e-04, 8.1662e-02],  
 [4.9547e-01, 5.0132e-05, 4.3345e-02],  
 [1.3199e-02, 1.0656e-07, 2.0706e-03],  
 [1.4151e+00, 5.2273e-04, 1.8779e-01],  
 [7.9050e+00, 8.4299e-03, 5.2921e-01],  
 [2.8126e+01, 3.1162e-01, 1.1762e+00],  
 [5.7289e-01, 1.2676e-04, 5.0595e-02],  
 [4.8815e+01, 5.6304e-02, 1.9346e+00],  
 [8.3423e+01, 7.2701e-01, 2.5238e+00],  
 [3.5851e+01, 4.5456e-01, 1.0626e+00],  
 [1.5965e+01, 1.0312e-01, 1.0632e+00],  
 [4.0164e+01, 1.2325e-02, 1.3340e+00],  
 [5.7913e+01, 1.2773e-01, 1.7126e+00],  
 [4.9130e+01, 7.4129e-01, 2.3093e+00],  
 [7.4940e-01, 3.4411e-04, 7.9080e-02],  
 [1.0489e+02, 1.7580e+00, 2.5264e+00],  
 [7.1615e+00, 3.1924e-02, 4.9150e-01],  
 [2.7657e+02, 6.0555e+00, 4.9680e+00],  
 [2.2735e+01, 4.6365e-02, 7.3741e-01],  
 [1.7315e+01, 3.7399e-03, 6.4095e-01],  
 [6.7533e+00, 5.5070e-03, 4.1041e-01],  
 [6.6898e+01, 8.6365e-01, 3.0200e+00],  
 [2.1258e+00, 2.3847e-03, 1.9376e-01],  
 [1.1366e+01, 1.3821e-02, 9.7927e-01],  
 [1.3468e+01, 3.5139e-02, 1.3418e+00],  
 [1.0729e+00, 6.9592e-05, 9.4920e-02],  
 [5.1763e+00, 8.2195e-04, 2.2607e-01],  
 [4.3963e+01, 4.7740e-01, 1.9738e+00],  
 [1.4885e+00, 4.0175e-04, 1.3225e-01],  
 [7.6683e+01, 9.3518e-01, 2.5793e+00],  
 [2.7312e-02, 1.6805e-06, 4.2354e-03],  
 [3.3597e-02, 5.2385e-07, 4.9186e-03],  
 [1.7177e+01, 1.8848e-02, 7.0183e-01],  
 [7.1208e+01, 2.6440e-01, 3.5480e+00],  
 [9.0716e-01, 2.5258e-04, 1.1146e-01],  
 [3.1446e-03, 5.5814e-09, 4.9787e-04],  
 [1.4951e+01, 9.6460e-02, 8.3015e-01],  
 [1.7572e+01, 3.5421e-02, 9.3587e-01],  
 [7.2884e-02, 4.8274e-06, 9.7734e-03],  
 [8.0476e-04, 2.3271e-10, 1.3033e-04],

[4.0892e+01, 4.6071e-02, 1.4419e+00],  
 [3.0985e+01, 1.8293e-01, 1.4832e+00],  
 [3.3964e+00, 1.0965e-02, 3.6952e-01],  
 [1.3686e+01, 6.9446e-02, 6.9567e-01],  
 [7.4814e+01, 3.6831e-01, 3.7805e+00],  
 [6.3918e-01, 1.3672e-04, 8.6171e-02],  
 [1.2804e+01, 8.5617e-03, 1.0119e+00],  
 [1.1512e+02, 1.2507e+00, 3.9783e+00],  
 [5.7237e-01, 1.4606e-04, 5.8482e-02],  
 [1.3435e+00, 8.1543e-05, 8.2509e-02],  
 [2.9143e+01, 1.0759e-01, 1.4197e+00],  
 [2.5444e+01, 7.6014e-02, 8.9176e-01],  
 [4.9638e-03, 4.9377e-09, 8.0099e-04],  
 [4.1219e+00, 7.9590e-03, 5.3170e-01],  
 [6.6990e+01, 3.9615e-01, 1.7407e+00],  
 [1.4136e+02, 7.5677e-01, 3.2010e+00],  
 [1.3240e-01, 9.1434e-07, 1.6889e-02],  
 [1.9559e+01, 2.3437e-02, 7.1209e-01],  
 [1.2305e+00, 4.5075e-04, 7.9229e-02],  
 [5.6211e+00, 1.1711e-02, 3.4953e-01],  
 [2.4188e+01, 4.3744e-02, 1.2943e+00],  
 [1.0708e+00, 6.0367e-04, 8.4803e-02],  
 [4.9370e+01, 1.2809e-01, 1.4640e+00],  
 [9.3057e+01, 2.1298e+00, 3.0440e+00],  
 [5.1115e-02, 2.7487e-06, 7.5456e-03],  
 [6.9146e-02, 3.3268e-06, 1.0306e-02],  
 [1.8974e-02, 9.5639e-08, 2.8916e-03],  
 [1.1825e-02, 2.4824e-08, 1.8662e-03],  
 [2.3056e+01, 1.2489e-01, 1.0976e+00],  
 [1.7216e+00, 6.8363e-05, 1.0603e-01],  
 [1.7346e+00, 5.9202e-04, 1.9030e-01],  
 [1.1082e+00, 2.1122e-05, 9.0442e-02],  
 [2.6717e+00, 3.5753e-03, 2.4316e-01],  
 [1.4521e+02, 3.5499e+00, 3.0568e+00],  
 [1.0449e+02, 1.2426e+00, 2.2266e+00],  
 [2.1957e+00, 1.7930e-03, 2.1956e-01],  
 [7.7879e+00, 8.3740e-03, 5.2460e-01],  
 [4.5183e-01, 1.5445e-04, 5.4035e-02],  
 [1.8135e+01, 1.8302e-02, 9.1637e-01],  
 [1.2077e+00, 8.2420e-04, 1.0553e-01],  
 [2.6917e+01, 1.6291e-01, 2.0302e+00],  
 [1.3435e+00, 1.0617e-04, 1.1224e-01],  
 [7.7475e+01, 9.0064e-01, 2.2960e+00],  
 [9.2369e+01, 2.3357e+00, 4.0716e+00],  
 [2.3230e+00, 4.3464e-04, 1.8712e-01],  
 [2.0445e+01, 2.9151e-02, 7.0638e-01],  
 [1.7020e+02, 3.0781e+00, 4.6152e+00],  
 [5.9339e-01, 4.5767e-05, 5.4587e-02],

[4.0271e+01, 3.7987e-01, 1.5702e+00],  
 [2.0159e-01, 1.9686e-05, 2.0272e-02],  
 [8.9765e+00, 4.2639e-03, 3.0905e-01],  
 [4.8830e-01, 1.9115e-05, 5.6867e-02],  
 [5.3009e+00, 2.7449e-03, 5.2543e-01],  
 [3.7535e+01, 6.3380e-02, 9.0194e-01],  
 [1.2215e-01, 1.8676e-06, 1.4208e-02],  
 [2.1404e+00, 5.7143e-04, 1.0786e-01],  
 [2.6940e+00, 2.0608e-03, 2.0011e-01],  
 [1.5611e+02, 4.6441e+00, 3.1288e+00],  
 [2.4994e-02, 2.4244e-07, 3.6020e-03],  
 [1.0501e+00, 6.7754e-04, 1.1640e-01],  
 [1.8430e-01, 4.8242e-06, 2.6355e-02],  
 [9.4591e+00, 5.1911e-02, 6.4664e-01],  
 [7.3646e-02, 2.4940e-06, 1.0357e-02],  
 [4.5486e-02, 2.3860e-06, 6.7110e-03],  
 [4.6746e-03, 3.1309e-09, 7.4368e-04],  
 [2.0378e+02, 5.6915e+00, 4.5116e+00],  
 [8.4042e-01, 1.5609e-04, 5.8032e-02],  
 [5.2263e+01, 1.9236e-01, 1.7360e+00],  
 [8.5394e+00, 2.2242e-02, 6.6486e-01],  
 [2.5016e+01, 7.0749e-02, 2.1172e+00],  
 [1.3924e-01, 1.5379e-05, 1.7336e-02],  
 [1.3141e+00, 1.6168e-04, 9.6291e-02],  
 [1.4188e+01, 4.5324e-02, 7.7526e-01],  
 [1.2693e+00, 8.2127e-04, 1.0177e-01],  
 [6.0911e+00, 9.0220e-04, 2.3766e-01],  
 [5.7800e+01, 8.1725e-02, 1.7898e+00],  
 [2.5764e+00, 5.6769e-04, 1.4768e-01],  
 [5.3751e-01, 6.4898e-05, 5.8534e-02],  
 [4.2374e+00, 3.7972e-03, 4.4917e-01],  
 [1.3998e+01, 1.8473e-02, 6.0517e-01],  
 [1.7455e+00, 2.0710e-04, 1.3930e-01],  
 [5.1205e-02, 2.6246e-07, 7.2345e-03],  
 [1.6704e+01, 3.4971e-02, 9.1782e-01],  
 [1.4649e-02, 9.8584e-08, 2.1621e-03],  
 [1.8754e+00, 1.0780e-03, 1.4276e-01],  
 [1.5450e+02, 5.9542e-01, 3.9542e+00],  
 [1.1888e+01, 8.1769e-02, 1.0663e+00],  
 [1.5523e+01, 4.2372e-03, 8.3536e-01],  
 [6.2881e-01, 1.1132e-04, 5.8124e-02],  
 [1.5334e+02, 3.4514e+00, 3.5250e+00],  
 [5.1537e-04, 3.1032e-10, 8.4094e-05],  
 [8.0270e-01, 5.2900e-05, 1.0572e-01],  
 [6.0268e+00, 1.2621e-02, 4.6355e-01],  
 [8.5341e-01, 7.2307e-05, 5.7696e-02],  
 [7.9281e+01, 1.5343e+00, 2.7009e+00],  
 [6.0627e+01, 5.7130e-01, 1.9682e+00],

[9.0380e-01, 2.0332e-04, 1.0347e-01],  
 [3.6920e+01, 4.2582e-01, 1.1183e+00],  
 [6.8705e-02, 3.1116e-06, 8.4703e-03],  
 [1.1014e+01, 2.8549e-02, 6.7130e-01],  
 [1.2634e-01, 7.3813e-07, 1.4397e-02],  
 [3.9062e+00, 5.1561e-04, 2.0762e-01],  
 [3.7143e+00, 3.4812e-03, 4.3712e-01],  
 [1.5917e-01, 9.2790e-06, 1.9823e-02],  
 [1.5061e+02, 1.7229e+00, 2.8680e+00],  
 [1.5460e+00, 5.9324e-04, 1.4369e-01],  
 [4.7274e+01, 1.8462e-01, 1.8363e+00],  
 [1.9506e+02, 6.3847e+00, 4.8696e+00],  
 [2.4290e-02, 2.8992e-07, 3.6711e-03],  
 [2.8796e+00, 8.8524e-04, 1.3648e-01],  
 [9.3301e-01, 5.1106e-04, 1.0460e-01],  
 [8.4422e+00, 7.2484e-03, 4.9792e-01],  
 [8.3782e+00, 4.7838e-02, 6.8658e-01],  
 [2.6351e-01, 3.3227e-05, 3.5978e-02],  
 [2.8598e-02, 2.2066e-07, 4.0233e-03],  
 [2.0658e+02, 3.6967e+00, 3.6688e+00],  
 [1.1541e+01, 1.1847e-02, 7.9938e-01],  
 [3.6192e+00, 2.2654e-03, 2.8632e-01],  
 [1.8403e+02, 2.9995e+00, 4.0181e+00],  
 [2.1356e+01, 1.2331e-02, 1.1762e+00],  
 [4.6008e+00, 6.0680e-03, 3.6535e-01],  
 [2.9938e+01, 1.9614e-02, 1.0491e+00],  
 [2.1703e-02, 4.5244e-07, 3.2552e-03],  
 [1.1314e+02, 3.4606e+00, 2.6860e+00],  
 [4.6253e+00, 1.0485e-02, 4.0772e-01],  
 [6.8866e-01, 5.0033e-04, 8.0737e-02],  
 [5.9695e+01, 5.2363e-01, 3.2625e+00],  
 [1.4606e+01, 9.8962e-02, 1.0495e+00],  
 [2.4900e+01, 2.5479e-02, 6.8158e-01],  
 [2.5536e-02, 4.6560e-07, 3.6557e-03],  
 [5.8064e+00, 1.1097e-02, 3.1297e-01],  
 [4.0484e+00, 1.0714e-02, 3.7998e-01],  
 [6.7072e-01, 1.1909e-04, 6.2522e-02],  
 [2.0303e+00, 4.8310e-04, 1.1023e-01],  
 [1.9400e+02, 3.3278e+00, 4.2609e+00],  
 [1.6527e+02, 1.3535e+00, 3.4688e+00],  
 [2.2649e+02, 3.9200e+00, 4.5813e+00],  
 [8.0725e+01, 5.3542e-01, 2.2274e+00],  
 [5.8430e+01, 1.2913e-01, 2.2045e+00],  
 [4.5266e+01, 2.2844e-01, 2.2490e+00],  
 [1.0777e+00, 1.2842e-04, 7.7000e-02],  
 [3.3633e+01, 1.5441e-01, 1.6194e+00],  
 [1.7773e+01, 6.2946e-02, 1.1202e+00],  
 [6.1447e+01, 4.0714e-01, 1.5490e+00],



[3.2728e+01, 2.2898e-01, 1.8286e+00],  
 [8.9931e-02, 8.2529e-07, 1.1560e-02],  
 [3.1738e+01, 3.3872e-01, 1.0800e+00],  
 [2.1382e-02, 3.9275e-07, 3.0987e-03],  
 [5.3877e+00, 7.9354e-03, 4.3572e-01],  
 [1.6728e+01, 1.0816e-01, 1.3215e+00],  
 [9.7827e-02, 9.7177e-07, 1.1404e-02],  
 [3.2879e+00, 1.4717e-03, 2.3809e-01],  
 [3.6375e+00, 1.4420e-03, 3.5672e-01],  
 [8.1796e+01, 8.6968e-01, 1.9788e+00],  
 [7.2958e-01, 1.2834e-04, 7.7199e-02],  
 [4.9227e+00, 5.0011e-03, 2.6256e-01],  
 [2.7475e+00, 2.1535e-03, 2.6617e-01],  
 [8.7343e+01, 3.4594e-01, 1.8219e+00],  
 [5.2482e+00, 3.4323e-03, 2.3597e-01],  
 [1.3056e+01, 4.7053e-02, 1.1166e+00],  
 [1.2499e+00, 6.7277e-05, 1.4777e-01],  
 [5.6856e+01, 7.8879e-01, 1.9692e+00],  
 [1.5602e+02, 2.4837e+00, 2.4678e+00],  
 [4.3138e+00, 3.4881e-03, 2.1828e-01],  
 [6.8819e-02, 1.0060e-06, 8.9977e-03],  
 [3.5143e-02, 5.2189e-07, 5.0292e-03],  
 [2.8126e+00, 5.6221e-04, 2.4616e-01],  
 [3.3081e-01, 1.9773e-05, 4.6876e-02],  
 [2.1373e-01, 5.2739e-05, 2.7070e-02],  
 [4.1525e-02, 2.8655e-07, 6.0558e-03],  
 [3.4942e+00, 1.6924e-03, 2.0474e-01],  
 [7.6279e+00, 9.2660e-03, 3.3809e-01],  
 [2.0104e+01, 2.0981e-02, 1.4907e+00],  
 [2.9685e-03, 3.6318e-09, 4.7177e-04],  
 [2.6793e+01, 1.6329e-01, 1.0408e+00],  
 [2.2862e-01, 2.1500e-05, 2.4776e-02],  
 [2.0410e+00, 1.5114e-03, 1.6584e-01],  
 [2.9998e+00, 1.6137e-03, 2.2371e-01],  
 [3.8734e+01, 2.4086e-01, 1.6349e+00],  
 [2.9872e+01, 1.2951e-01, 8.7931e-01],  
 [1.1209e+00, 1.2671e-04, 9.7607e-02],  
 [2.0625e+01, 1.4697e-02, 6.7620e-01],  
 [3.7073e+01, 2.7933e-01, 1.6422e+00],  
 [7.1771e-02, 3.4574e-06, 9.7056e-03],  
 [9.3310e-02, 3.2110e-06, 1.2619e-02],  
 [8.5448e-01, 3.1005e-04, 8.3193e-02],  
 [1.7092e+00, 1.4150e-03, 2.0131e-01],  
 [1.1013e+01, 1.3766e-02, 7.8048e-01],  
 [4.5765e-03, 1.0693e-08, 7.2729e-04],  
 [6.0720e+00, 1.4965e-02, 4.0725e-01],  
 [1.6300e+00, 4.5422e-04, 1.5935e-01],  
 [1.1945e+02, 1.5920e+00, 3.8523e+00],

[1.2594e-01, 7.4889e-06, 1.6279e-02],  
 [1.2460e+00, 4.2215e-04, 9.3158e-02],  
 [9.4327e+01, 9.5618e-02, 2.0372e+00],  
 [2.9972e+01, 3.1023e-02, 9.3613e-01],  
 [6.3018e+01, 5.3757e-01, 2.7070e+00],  
 [1.2312e+02, 1.3819e+00, 3.9327e+00],  
 [6.0848e+00, 1.2089e-02, 4.0234e-01],  
 [3.9458e+01, 1.3075e-01, 1.3922e+00],  
 [1.9207e+00, 2.0472e-04, 1.4824e-01],  
 [1.5643e+02, 1.3223e+00, 3.5527e+00],  
 [7.0762e+01, 8.1888e-01, 3.5154e+00],  
 [4.9326e+01, 2.3241e-01, 2.5790e+00],  
 [2.0930e+01, 1.0485e-02, 9.3425e-01],  
 [9.3205e+00, 6.2462e-03, 4.4461e-01],  
 [7.7904e-01, 2.1160e-04, 7.1865e-02],  
 [4.9965e-01, 4.3929e-05, 5.0785e-02],  
 [7.9649e-02, 1.7743e-06, 1.0615e-02],  
 [2.9773e+00, 7.3168e-04, 3.9760e-01],  
 [3.7612e+01, 1.2493e-01, 9.3083e-01],  
 [3.3851e-01, 3.1967e-05, 3.0448e-02],  
 [4.3897e-01, 4.6736e-05, 3.7554e-02],  
 [2.0282e-04, 3.2052e-12, 3.3310e-05],  
 [1.6811e+01, 1.6530e-02, 7.8055e-01],  
 [1.9552e+00, 7.3920e-04, 1.2157e-01],  
 [3.1174e+01, 2.2884e-01, 1.1717e+00],  
 [1.5140e+02, 3.1275e+00, 3.7087e+00],  
 [3.8329e+01, 6.7826e-02, 1.9343e+00],  
 [3.3621e-01, 9.4072e-05, 3.7869e-02],  
 [1.8844e+01, 1.1153e-01, 9.5439e-01],  
 [4.1011e+00, 6.4804e-03, 2.8888e-01],  
 [2.7038e+01, 2.7850e-02, 1.1729e+00],  
 [2.0871e-01, 1.0784e-05, 2.1050e-02],  
 [1.5660e+00, 3.7225e-04, 1.0683e-01],  
 [2.7042e+00, 3.7983e-03, 3.1779e-01],  
 [8.9261e-01, 2.3595e-04, 6.2619e-02],  
 [4.6165e-01, 7.3026e-05, 5.6602e-02],  
 [9.6260e+00, 2.1596e-03, 5.2404e-01],  
 [7.3717e-02, 2.3719e-07, 9.7661e-03],  
 [4.3954e-01, 3.7293e-05, 4.7621e-02],  
 [7.0072e+00, 3.5301e-02, 5.4590e-01],  
 [7.9675e+01, 1.7164e+00, 2.7538e+00],  
 [5.2957e+00, 1.7926e-03, 3.2062e-01],  
 [3.4419e-03, 1.0545e-08, 5.4201e-04],  
 [5.5714e+01, 3.2362e-01, 1.7638e+00],  
 [1.6704e-02, 3.3577e-07, 2.4865e-03],  
 [1.4911e+01, 2.0422e-02, 4.1437e-01],  
 [3.9685e+00, 8.3748e-03, 2.7195e-01],  
 [2.8468e+00, 2.6134e-03, 3.1364e-01],

```

[9.4247e+01, 8.3952e-01, 3.7246e+00],
[4.5151e+00, 4.1703e-03, 2.3637e-01],
[4.4769e-02, 8.5705e-07, 6.1411e-03],
[1.5951e+01, 2.6693e-02, 5.6230e-01],
[7.2447e-02, 3.8913e-06, 9.2699e-03],
[6.6853e-01, 1.1317e-04, 5.1232e-02],
[2.2291e-01, 5.1413e-06, 2.2225e-02],
[7.7287e+00, 1.4394e-02, 5.8671e-01],
[3.5206e+00, 7.9559e-03, 3.2983e-01],
[1.5886e+01, 4.1691e-03, 6.7043e-01],
[1.7122e-01, 2.0706e-05, 1.9584e-02],
[2.8869e-01, 7.0966e-05, 3.2996e-02],
[3.2105e+00, 3.0883e-03, 2.3660e-01],
[2.9298e-03, 3.9868e-09, 4.6888e-04],
[6.1427e-01, 2.1660e-04, 8.0416e-02],
[1.9920e+00, 4.0802e-04, 1.6254e-01],
[5.7249e+01, 2.4022e-01, 2.1080e+00],
[2.1933e-01, 3.8387e-06, 2.8231e-02],
[5.1648e+01, 5.3030e-01, 1.6810e+00],
[4.9899e-01, 6.7803e-05, 6.3715e-02]], dtype=torch.float64)
Iteration: 25
Inputs: tensor([[3.9212e+19, 4.6918e+01, 1.6842e+01, 6.5505e+00],
[1.8708e+18, 1.9832e+02, 1.4789e+01, 1.5467e+00],
[7.6077e+18, 3.2886e+02, 1.0704e+01, 4.0692e+00],
...,
[7.7822e+20, 2.9890e+02, 1.9090e+01, 6.9073e+00],
[1.1595e+19, 3.2168e+01, 1.4385e+01, 6.5379e+00],
[1.0420e+19, 4.7957e+02, 2.4047e+00, 3.4699e+00]], dtype=torch.float64)
Target: tensor([[8.4549e-01, 7.3807e-04, 1.0781e-01],
[9.5686e-03, 1.5701e-08, 1.4693e-03],
[1.6123e+00, 3.5792e-04, 1.3424e-01],
[2.3270e-02, 3.7010e-07, 3.2857e-03],
[7.3349e+01, 9.9624e-01, 2.0303e+00],
[2.0934e-03, 9.1286e-10, 3.3488e-04],
[1.1584e+01, 1.3047e-02, 6.1215e-01],
[5.6565e+01, 6.9973e-01, 2.2294e+00],
[1.1977e+01, 4.1345e-02, 6.9804e-01],
[1.2585e+01, 2.0384e-02, 4.3845e-01],
[1.0706e-01, 6.8612e-07, 1.3809e-02],
[9.1032e+01, 1.2826e+00, 2.3083e+00],
[2.7035e+01, 1.6171e-01, 1.8688e+00],
[1.3696e+01, 3.9144e-02, 9.1815e-01],
[1.6909e+01, 3.6389e-02, 1.1564e+00],
[1.0885e-01, 1.0418e-05, 1.5172e-02],
[6.3747e+00, 4.7769e-03, 4.3659e-01],
[5.1663e+01, 6.3271e-01, 2.4676e+00],
[4.3615e+01, 9.2803e-02, 1.5315e+00],
[1.0751e+00, 3.7607e-04, 9.1212e-02],

```

[1.5216e+00, 1.7291e-03, 1.7148e-01],  
 [2.2608e-01, 6.3161e-06, 2.7319e-02],  
 [2.6459e+01, 1.0161e-01, 8.8031e-01],  
 [3.7814e+01, 4.1530e-01, 1.2283e+00],  
 [3.5327e-01, 4.6399e-06, 3.4143e-02],  
 [2.9402e+01, 5.2365e-01, 1.8138e+00],  
 [1.7981e+01, 7.4506e-02, 1.5640e+00],  
 [2.9798e+00, 1.5214e-03, 1.9477e-01],  
 [6.4022e-02, 1.8907e-06, 8.3467e-03],  
 [2.4226e+02, 4.2386e+00, 4.2194e+00],  
 [7.4577e-02, 2.4809e-06, 9.9710e-03],  
 [3.9131e-01, 1.8543e-05, 3.0608e-02],  
 [1.9897e+02, 2.8094e+00, 3.3483e+00],  
 [3.9381e-02, 1.4329e-06, 5.7072e-03],  
 [2.3581e-02, 4.0594e-08, 3.4104e-03],  
 [1.8315e-01, 8.0351e-06, 2.1779e-02],  
 [1.0517e-03, 8.2636e-10, 1.6925e-04],  
 [2.0131e+01, 6.1876e-02, 6.8955e-01],  
 [7.2296e-02, 2.4920e-06, 8.8616e-03],  
 [1.5937e+01, 4.5122e-02, 1.3885e+00],  
 [1.6710e-03, 3.6836e-10, 2.6970e-04],  
 [1.4378e-01, 4.2490e-06, 1.8470e-02],  
 [6.8850e-01, 3.9165e-05, 8.7098e-02],  
 [2.4690e+02, 6.7428e+00, 4.1891e+00],  
 [1.7300e-01, 1.0334e-05, 1.8947e-02],  
 [5.7053e+01, 2.3467e-01, 3.0345e+00],  
 [3.1160e+01, 3.6431e-01, 9.5903e-01],  
 [3.1087e+01, 1.5325e-01, 9.5544e-01],  
 [1.9766e+01, 5.6993e-02, 5.9994e-01],  
 [2.6170e+00, 3.7391e-04, 2.0184e-01],  
 [3.9156e+01, 1.5638e-01, 1.3301e+00],  
 [8.1027e+01, 4.6264e-01, 2.6059e+00],  
 [1.5393e+01, 1.5572e-02, 5.9057e-01],  
 [2.9449e-01, 3.5773e-05, 2.9867e-02],  
 [3.0213e+01, 7.2756e-02, 1.1122e+00],  
 [1.4553e-01, 1.1641e-05, 1.8050e-02],  
 [5.7797e-01, 1.1847e-04, 6.2731e-02],  
 [5.4196e-01, 1.3844e-04, 6.0050e-02],  
 [2.0830e+02, 5.3027e+00, 3.3263e+00],  
 [1.3954e+02, 2.7517e+00, 3.7978e+00],  
 [4.6306e-01, 5.2383e-05, 5.6193e-02],  
 [2.0288e+02, 8.4715e-01, 4.2296e+00],  
 [1.9370e+01, 9.1876e-02, 1.5251e+00],  
 [1.8156e-01, 5.1898e-06, 2.3948e-02],  
 [8.1728e+01, 4.4089e-02, 3.9013e+00],  
 [7.5749e+01, 1.9615e+00, 2.1835e+00],  
 [1.9268e+02, 7.6709e+00, 4.1694e+00],  
 [2.0443e-01, 9.9647e-06, 2.4955e-02],

[1.0456e+00, 6.8909e-05, 5.8817e-02],  
 [8.5050e-02, 3.0004e-06, 1.1585e-02],  
 [2.3398e+00, 5.7141e-04, 1.7626e-01],  
 [3.4208e+00, 5.8529e-03, 3.4581e-01],  
 [9.7687e-01, 1.7660e-04, 5.7482e-02],  
 [7.5053e+01, 1.1541e+00, 2.2541e+00],  
 [1.1402e+01, 3.7102e-03, 6.4913e-01],  
 [2.2493e-02, 8.4922e-08, 3.4165e-03],  
 [3.8636e+01, 2.5402e-01, 1.0502e+00],  
 [1.2939e+01, 3.0181e-02, 4.8064e-01],  
 [7.3942e+00, 1.1364e-02, 5.3422e-01],  
 [7.4999e-01, 2.8423e-05, 6.4780e-02],  
 [2.2316e+01, 3.3312e-02, 9.6159e-01],  
 [2.9253e-01, 1.6682e-05, 2.7488e-02],  
 [1.3199e-01, 1.1825e-06, 1.4999e-02],  
 [3.1904e+01, 2.3676e-01, 1.9315e+00],  
 [1.1986e+02, 2.5053e+00, 4.2341e+00],  
 [3.4486e+01, 7.4788e-02, 2.2115e+00],  
 [3.5437e+01, 2.6866e-01, 1.2765e+00],  
 [1.9116e+01, 7.1547e-02, 9.7751e-01],  
 [1.4907e-01, 4.7837e-06, 2.1801e-02],  
 [3.1144e-01, 4.6172e-05, 3.1338e-02],  
 [1.6267e+02, 1.9136e+00, 4.4487e+00],  
 [1.3841e+00, 2.6440e-04, 1.9890e-01],  
 [1.5852e-01, 2.5883e-06, 2.2155e-02],  
 [1.3793e+01, 3.1005e-02, 6.6996e-01],  
 [1.4703e+02, 4.0776e+00, 4.1963e+00],  
 [6.7378e+01, 4.9636e-01, 2.7567e+00],  
 [1.5091e+01, 9.6471e-02, 8.6167e-01],  
 [2.6367e+00, 6.6172e-04, 2.2551e-01],  
 [7.8250e-02, 1.0006e-06, 1.1798e-02],  
 [5.8654e+00, 1.5183e-03, 3.1183e-01],  
 [1.3063e-01, 5.8489e-06, 1.6518e-02],  
 [1.3425e+01, 5.4502e-02, 8.9456e-01],  
 [2.1651e+01, 2.9109e-02, 1.1417e+00],  
 [2.7158e+01, 2.1913e-01, 1.4751e+00],  
 [3.7053e+01, 9.3845e-01, 2.6383e+00],  
 [2.4334e+00, 3.4071e-03, 1.8994e-01],  
 [7.4098e+00, 1.2879e-02, 5.5204e-01],  
 [8.9584e-01, 2.3595e-04, 8.0724e-02],  
 [9.3849e-01, 1.1300e-04, 7.3998e-02],  
 [1.1412e-01, 9.0973e-06, 1.3863e-02],  
 [6.9207e+01, 3.2234e-01, 1.5664e+00],  
 [9.1494e-02, 5.7900e-07, 1.1479e-02],  
 [4.8616e+01, 4.9423e-01, 1.7932e+00],  
 [4.9804e+01, 3.4463e-01, 1.5729e+00],  
 [2.1518e+00, 7.0271e-04, 1.7054e-01],  
 [1.6640e+00, 2.8040e-04, 1.4956e-01],

[9.6305e-01, 4.1746e-04, 7.9817e-02],  
 [2.0048e+01, 1.7619e-01, 1.5946e+00],  
 [4.8893e+00, 2.6879e-03, 3.3094e-01],  
 [1.9401e+01, 1.1706e-01, 9.2872e-01],  
 [6.8432e-01, 3.2504e-04, 7.0744e-02],  
 [3.3121e+00, 7.6354e-04, 3.3387e-01],  
 [3.1298e+00, 1.9106e-03, 2.5146e-01],  
 [3.6732e+01, 2.9142e-01, 1.3116e+00],  
 [7.5629e+01, 1.0136e+00, 1.8903e+00],  
 [1.5818e+00, 1.5030e-05, 9.5659e-02],  
 [4.2303e+00, 3.6846e-03, 3.2795e-01],  
 [1.7980e-01, 1.5009e-05, 2.3553e-02],  
 [5.8463e+01, 1.5495e-01, 2.0270e+00],  
 [3.3669e+00, 2.6667e-03, 2.1177e-01],  
 [1.2311e+01, 8.8214e-03, 1.0605e+00],  
 [1.3950e+01, 2.4057e-02, 8.1578e-01],  
 [6.3387e+01, 1.3523e+00, 3.2108e+00],  
 [4.3689e-02, 1.8284e-07, 6.1471e-03],  
 [1.8211e+00, 1.1640e-03, 1.3467e-01],  
 [1.3079e+01, 1.3250e-02, 4.1939e-01],  
 [1.0028e+02, 1.5590e+00, 2.9817e+00],  
 [1.7284e+00, 4.0228e-03, 2.1153e-01],  
 [2.0186e+02, 1.3158e+00, 4.5651e+00],  
 [2.7426e+01, 3.8956e-02, 6.3213e-01],  
 [3.4309e+00, 6.4983e-03, 3.3084e-01],  
 [4.1370e+01, 7.5611e-02, 1.3277e+00],  
 [1.4447e+02, 1.6296e+00, 3.1385e+00],  
 [1.4456e+01, 7.1115e-03, 1.1110e+00],  
 [4.3796e+00, 4.8071e-03, 3.5496e-01],  
 [4.6920e+01, 1.3956e-01, 1.5205e+00],  
 [2.9161e+01, 1.8903e-01, 1.2743e+00],  
 [5.6843e+00, 1.7182e-03, 3.8808e-01],  
 [1.2943e+01, 3.1682e-02, 8.3545e-01],  
 [2.2325e+02, 3.4583e+00, 4.6080e+00],  
 [2.4743e+02, 9.5051e-01, 4.7605e+00],  
 [4.9262e+00, 3.2477e-04, 3.0797e-01],  
 [2.3011e-01, 1.6255e-06, 2.2712e-02],  
 [1.4548e+01, 4.5237e-03, 4.2208e-01],  
 [6.5419e+01, 2.7950e-01, 2.2944e+00],  
 [1.4269e-02, 2.3901e-07, 2.0831e-03],  
 [4.7833e+00, 1.9629e-03, 5.0523e-01],  
 [8.9671e+00, 2.2902e-02, 8.6325e-01],  
 [6.3426e+00, 5.6791e-03, 3.0324e-01],  
 [3.9150e-03, 5.9833e-09, 6.1061e-04],  
 [4.1377e+01, 3.7112e-01, 2.5755e+00],  
 [1.2475e-01, 4.9216e-06, 1.3572e-02],  
 [2.5401e+00, 6.9301e-04, 2.5914e-01],  
 [5.4018e+01, 2.0558e-01, 1.7787e+00],

[3.2373e-02, 7.2925e-07, 4.8926e-03],  
 [1.9798e+01, 4.5625e-02, 7.6466e-01],  
 [9.0597e+00, 3.3675e-03, 2.9287e-01],  
 [1.2812e+01, 1.1413e-02, 4.6454e-01],  
 [2.4617e+01, 5.7250e-02, 9.1134e-01],  
 [1.5619e+01, 8.1185e-02, 9.4843e-01],  
 [9.3190e+01, 2.4432e-01, 2.2126e+00],  
 [5.0150e+01, 3.0190e-01, 1.0740e+00],  
 [1.0440e+01, 3.0243e-03, 6.1781e-01],  
 [9.7031e+01, 1.8821e-01, 3.5042e+00],  
 [5.3363e-01, 1.8234e-05, 4.4207e-02],  
 [4.4136e+01, 3.7264e-01, 3.0299e+00],  
 [1.6064e-01, 1.0265e-05, 1.8175e-02],  
 [8.3636e+00, 1.1038e-02, 5.3529e-01],  
 [3.8863e+01, 9.5542e-02, 9.9299e-01],  
 [1.0476e+02, 2.5543e-01, 2.5622e+00],  
 [6.5630e-01, 2.0229e-04, 6.7868e-02],  
 [1.2703e+01, 1.9270e-02, 7.6683e-01],  
 [3.0068e+00, 1.3357e-04, 2.0550e-01],  
 [1.4696e+00, 4.7859e-04, 1.3976e-01],  
 [4.6612e+01, 7.8750e-01, 1.5138e+00],  
 [2.9715e+01, 1.2657e-01, 1.8641e+00],  
 [7.1490e-04, 4.4641e-10, 1.1600e-04],  
 [1.9264e+01, 6.7672e-02, 1.0453e+00],  
 [2.4401e+01, 3.5408e-01, 1.5509e+00],  
 [1.7777e+00, 5.5823e-04, 1.2219e-01],  
 [2.1221e-01, 5.9329e-06, 2.2390e-02],  
 [1.3972e+02, 1.9125e+00, 4.3038e+00],  
 [1.2506e+01, 3.8210e-02, 7.6795e-01],  
 [1.4767e-02, 3.1346e-08, 2.1880e-03],  
 [1.0061e+02, 9.1169e-01, 2.3886e+00],  
 [4.8705e+00, 3.7659e-03, 2.8781e-01],  
 [2.4527e+01, 1.5088e-02, 1.1246e+00],  
 [2.5817e-03, 2.1390e-09, 4.1378e-04],  
 [2.5129e-03, 4.4544e-09, 4.0408e-04],  
 [2.5119e+01, 7.8731e-02, 9.7104e-01],  
 [2.9747e+00, 1.7431e-03, 2.2907e-01],  
 [1.3879e+02, 2.5498e+00, 3.1828e+00],  
 [1.2803e-02, 3.4414e-08, 1.9481e-03],  
 [5.1561e+01, 3.6114e-01, 2.3568e+00],  
 [4.6213e+00, 1.9004e-03, 2.5722e-01],  
 [7.4381e+01, 1.1923e+00, 2.1878e+00],  
 [5.5625e-01, 7.0485e-05, 3.9384e-02],  
 [3.3268e+01, 2.7521e-01, 1.7048e+00],  
 [6.3254e-01, 3.6465e-05, 6.4315e-02],  
 [1.1781e+01, 1.0702e-02, 6.6502e-01],  
 [2.0554e-01, 1.0724e-05, 2.4477e-02],  
 [1.6324e+01, 2.3205e-02, 8.9205e-01],

[6.7198e-01, 7.3906e-05, 6.3582e-02],  
[9.4123e-01, 2.1250e-04, 9.1421e-02],  
[1.0037e+01, 6.7227e-03, 5.9119e-01],  
[1.0122e+02, 6.2717e-01, 2.4577e+00],  
[4.9373e+00, 4.8006e-03, 4.2078e-01],  
[2.6264e+01, 1.2990e-01, 9.1679e-01],  
[4.1711e+00, 2.7599e-03, 2.6385e-01],  
[6.3434e+01, 7.2307e-01, 2.4624e+00],  
[8.2712e+01, 2.3690e-01, 1.8891e+00],  
[1.9505e+01, 1.6839e-02, 1.1485e+00],  
[2.9330e+00, 5.6701e-04, 2.6304e-01],  
[7.4195e-01, 4.4557e-05, 7.8525e-02],  
[1.4947e+02, 3.1527e+00, 3.9015e+00],  
[1.0872e-01, 4.3123e-06, 1.2864e-02],  
[2.6378e+01, 2.4095e-01, 8.8022e-01],  
[4.6519e+00, 1.6265e-03, 3.6972e-01],  
[3.5879e+01, 1.7581e-01, 9.4443e-01],  
[2.6253e-02, 2.3739e-07, 3.8676e-03],  
[2.2999e+00, 1.8844e-03, 1.7296e-01],  
[1.7141e+01, 4.6762e-02, 1.1254e+00],  
[8.0359e-01, 1.8753e-04, 9.0181e-02],  
[1.3009e+02, 3.6586e+00, 4.5885e+00],  
[1.4057e+00, 7.4319e-04, 1.1956e-01],  
[4.4169e+00, 1.5258e-03, 2.7677e-01],  
[3.9716e+01, 8.1810e-02, 1.5617e+00],  
[1.5423e+01, 3.0631e-02, 1.2211e+00],  
[2.0102e+00, 7.5146e-04, 1.5421e-01],  
[2.3110e-01, 6.2515e-05, 3.1559e-02],  
[2.0276e-02, 1.3234e-07, 3.0428e-03],  
[3.9678e+01, 1.8715e-01, 2.4660e+00],  
[6.1687e+01, 6.3495e-02, 2.5202e+00],  
[9.9878e+01, 2.4582e+00, 3.2593e+00],  
[1.8979e+00, 1.2041e-03, 1.9683e-01],  
[1.2225e+02, 4.3437e+00, 4.5029e+00],  
[5.0743e+00, 1.5244e-02, 5.3388e-01],  
[7.7477e-01, 1.3855e-04, 6.7528e-02],  
[1.1188e+02, 6.1685e-01, 3.2078e+00],  
[1.2693e-03, 5.6679e-10, 2.0796e-04],  
[7.1290e+01, 9.5014e-02, 2.6180e+00],  
[3.6745e-01, 1.0160e-04, 4.0970e-02],  
[1.1972e+01, 3.7020e-02, 7.4459e-01],  
[1.4307e+01, 6.8057e-02, 7.1844e-01],  
[6.1600e+01, 2.3828e-01, 1.5051e+00],  
[2.2773e+00, 5.5301e-04, 1.2819e-01],  
[4.4397e+01, 1.2282e-01, 1.3040e+00],  
[2.6777e+01, 8.2543e-02, 1.4152e+00],  
[4.7682e+01, 6.5918e-01, 1.6615e+00],  
[1.5115e-02, 1.5845e-07, 2.2303e-03],



[8.7370e-02, 2.0770e-06, 1.0733e-02],  
 [2.8279e+01, 8.8067e-02, 1.1036e+00],  
 [3.4043e+01, 2.6659e-02, 1.0162e+00],  
 [3.9422e-01, 2.1111e-05, 5.0893e-02],  
 [3.7077e+01, 6.9048e-02, 2.2061e+00],  
 [8.0462e+01, 7.8270e-01, 2.9564e+00],  
 [1.3812e+00, 1.9489e-04, 1.7190e-01],  
 [4.4237e+00, 5.9968e-03, 2.9351e-01],  
 [2.6303e+01, 1.0035e-01, 9.6649e-01],  
 [4.5242e+00, 1.9264e-02, 4.0085e-01],  
 [5.6734e+00, 3.0528e-03, 5.3772e-01],  
 [7.7134e-01, 2.2365e-05, 8.6909e-02],  
 [5.6144e+00, 3.2889e-03, 4.1467e-01],  
 [1.7073e+00, 2.7914e-04, 1.7515e-01],  
 [1.0346e+02, 8.0051e-01, 4.1306e+00],  
 [3.1577e+00, 1.4230e-03, 1.8716e-01],  
 [1.1561e+01, 1.3244e-01, 1.2093e+00],  
 [2.6782e-01, 4.3966e-05, 2.4326e-02],  
 [6.5244e-02, 3.8783e-06, 9.0250e-03],  
 [1.4898e+01, 4.4091e-02, 5.0302e-01],  
 [6.8463e-02, 1.8885e-06, 8.8657e-03],  
 [4.9799e+01, 2.1357e-01, 1.8012e+00],  
 [6.5105e+00, 4.8117e-03, 6.4238e-01],  
 [2.4366e+02, 2.1485e+00, 4.5636e+00],  
 [1.2660e+02, 4.9328e+00, 3.3815e+00],  
 [2.5862e+02, 7.3284e+00, 3.9678e+00],  
 [1.3518e+00, 2.5899e-04, 9.3855e-02],  
 [2.0838e-02, 4.7364e-07, 3.1959e-03],  
 [2.2450e+00, 3.6659e-04, 1.7937e-01],  
 [3.4116e+01, 2.8791e-01, 1.4932e+00],  
 [1.4290e+00, 2.8233e-04, 1.5266e-01],  
 [3.0967e+01, 1.1221e-02, 1.5860e+00],  
 [4.3214e+01, 3.7372e-01, 2.7014e+00],  
 [3.4193e+01, 4.8309e-02, 1.2147e+00],  
 [1.5219e+02, 5.3509e+00, 3.2326e+00],  
 [6.3009e+01, 6.0385e-01, 2.5414e+00],  
 [1.3311e-01, 1.7336e-06, 1.5551e-02],  
 [2.7587e+00, 3.6576e-04, 1.5240e-01],  
 [9.5878e-02, 2.6774e-06, 1.3974e-02],  
 [1.3424e+01, 1.9143e-02, 5.6516e-01],  
 [7.4372e+01, 9.9595e-01, 1.7440e+00],  
 [1.1310e+02, 1.7779e+00, 3.2803e+00],  
 [8.5596e-01, 2.0309e-05, 9.3444e-02],  
 [1.5217e+02, 3.2748e+00, 3.9382e+00],  
 [2.7320e+00, 1.2014e-03, 1.8619e-01],  
 [4.3247e+01, 3.5219e-01, 1.7519e+00],  
 [1.1104e+00, 1.2711e-03, 1.2588e-01],  
 [2.7555e+00, 4.9308e-04, 2.3235e-01],

```

[2.3693e+00, 1.1082e-04, 2.3240e-01],
[7.6972e-01, 4.5619e-04, 7.9237e-02],
[3.5794e+00, 1.2379e-03, 2.8933e-01],
[8.9741e-02, 1.6888e-06, 1.3337e-02],
[4.4901e-01, 1.0594e-04, 3.9865e-02],
[4.3928e+01, 8.6111e-02, 2.0520e+00],
[6.9788e+00, 8.6147e-03, 4.0679e-01],
[3.4944e+00, 4.0194e-03, 3.5538e-01],
[4.5292e+00, 5.0389e-03, 3.1462e-01],
[1.2783e+02, 3.6320e+00, 4.1613e+00],
[6.3236e-02, 4.1836e-06, 9.4977e-03],
[8.1475e+00, 1.4908e-03, 3.1207e-01]], dtype=torch.float64)
Iteration: 26
Inputs: tensor([[4.8918e+19, 3.6818e+02, 3.3504e+00, 9.4897e+00],
[3.6319e+19, 4.3657e+02, 1.1472e+01, 3.3793e+00],
[1.6495e+20, 2.3032e+02, 1.9978e+01, 6.2001e+00],
...,
[2.1547e+19, 4.8881e+02, 1.8493e+01, 3.9961e+00],
[3.8740e+20, 2.8259e+02, 1.2219e+01, 4.9106e+00],
[2.1799e+20, 8.8419e+01, 6.3933e+00, 1.3374e+00]], dtype=torch.float64)
Target: tensor([[3.9465e+01, 2.3285e-01, 9.4482e-01],
[1.3621e+01, 1.5431e-02, 6.4850e-01],
[2.9372e+01, 2.5851e-01, 1.5060e+00],
[7.9025e-01, 1.4153e-04, 6.3968e-02],
[2.8282e-02, 7.7750e-07, 3.9367e-03],
[2.0761e+02, 8.5286e+00, 4.5820e+00],
[5.8260e+01, 6.2700e-01, 1.3815e+00],
[9.4673e+01, 1.8149e+00, 2.4195e+00],
[1.0111e+00, 2.8357e-04, 1.2390e-01],
[1.4925e+00, 8.3221e-04, 1.4382e-01],
[4.4967e-01, 3.9819e-05, 5.5105e-02],
[2.0592e+00, 5.3752e-04, 1.4579e-01],
[2.1511e+00, 4.9276e-04, 2.5312e-01],
[9.8707e-01, 5.2041e-05, 6.2200e-02],
[1.3870e+02, 2.2032e+00, 4.4444e+00],
[8.8502e+00, 1.1470e-02, 4.6749e-01],
[9.4833e+00, 2.9370e-03, 6.7352e-01],
[2.3775e-01, 3.3486e-05, 2.7409e-02],
[5.9430e+00, 1.0967e-02, 6.6172e-01],
[2.4789e-01, 3.9076e-05, 2.5640e-02],
[7.1542e+01, 2.9427e-01, 1.7543e+00],
[2.7223e-01, 5.2247e-05, 2.7479e-02],
[1.4494e+02, 1.6244e+00, 2.5755e+00],
[1.2517e+02, 1.5549e+00, 3.1405e+00],
[1.8936e+00, 2.7401e-04, 1.3468e-01],
[2.3035e+01, 3.7806e-02, 8.2590e-01],
[2.9694e+00, 2.4315e-03, 3.6975e-01],
[2.1895e+02, 3.1488e+00, 4.9269e+00],

```

[5.2185e+01, 3.6474e-01, 1.4924e+00],  
 [6.2377e-02, 2.1475e-07, 7.8603e-03],  
 [1.5716e+02, 1.1213e+00, 3.5636e+00],  
 [6.5060e-01, 1.1552e-04, 5.6945e-02],  
 [4.2752e+01, 1.7531e-01, 2.1503e+00],  
 [1.3464e+00, 3.2629e-04, 1.0807e-01],  
 [3.3871e+01, 5.5767e-02, 1.4768e+00],  
 [3.5634e+01, 3.3965e-01, 9.7520e-01],  
 [3.4871e-02, 7.0526e-07, 4.9916e-03],  
 [1.8835e+01, 3.4816e-02, 7.4339e-01],  
 [4.5981e-02, 1.2491e-06, 6.1116e-03],  
 [1.0545e+02, 5.2936e-01, 2.2133e+00],  
 [2.4125e+02, 5.6423e+00, 4.5865e+00],  
 [3.2542e+01, 2.7810e-01, 1.3459e+00],  
 [2.6316e-01, 1.2171e-05, 3.3219e-02],  
 [4.1827e+00, 2.5927e-03, 2.6330e-01],  
 [9.5117e+00, 1.6847e-03, 5.6714e-01],  
 [1.9353e+02, 1.9760e+00, 4.0738e+00],  
 [5.3002e+01, 5.0456e-01, 1.2493e+00],  
 [1.9701e+02, 6.8410e-01, 4.6613e+00],  
 [4.9046e+01, 6.3665e-01, 1.4230e+00],  
 [7.9922e-01, 4.0187e-05, 5.0171e-02],  
 [5.7168e-02, 1.9290e-06, 8.0931e-03],  
 [1.7600e+02, 4.6366e+00, 3.5870e+00],  
 [2.0124e+00, 1.6472e-03, 1.3776e-01],  
 [4.9858e-01, 9.0980e-05, 4.7151e-02],  
 [5.2903e-01, 6.5061e-05, 3.9070e-02],  
 [5.8474e-01, 1.8118e-04, 5.9849e-02],  
 [1.9830e+00, 2.4550e-04, 1.5713e-01],  
 [4.9650e+01, 2.1732e-01, 2.2330e+00],  
 [3.8400e-01, 1.2364e-04, 4.8396e-02],  
 [1.5782e-02, 9.8121e-08, 2.4173e-03],  
 [2.1296e+00, 2.0067e-03, 1.6376e-01],  
 [2.6711e+02, 5.1835e-01, 4.5419e+00],  
 [4.1565e+00, 8.0881e-04, 1.8813e-01],  
 [1.8552e+01, 1.5544e-03, 8.4070e-01],  
 [4.0293e+01, 2.4801e-02, 1.1231e+00],  
 [2.1588e+01, 3.0161e-02, 1.5897e+00],  
 [3.2339e+00, 2.9370e-03, 2.6247e-01],  
 [4.7894e+00, 6.3222e-04, 4.9904e-01],  
 [3.0874e+00, 3.8819e-03, 3.5369e-01],  
 [1.1894e+00, 9.6204e-04, 1.6024e-01],  
 [2.3429e+00, 8.7923e-04, 1.8320e-01],  
 [3.2147e-01, 1.9768e-05, 3.1678e-02],  
 [1.3088e+01, 2.5333e-02, 1.1530e+00],  
 [1.3242e-02, 1.5887e-08, 1.9589e-03],  
 [6.0981e+01, 1.7233e-01, 1.8515e+00],  
 [2.8805e+01, 2.2800e-01, 9.8173e-01],

[6.5796e+01, 8.3352e-01, 1.9066e+00],  
 [4.8450e+01, 5.9595e-01, 3.1075e+00],  
 [2.2171e-01, 2.6928e-05, 2.5946e-02],  
 [8.9632e+00, 2.0491e-03, 7.7291e-01],  
 [3.9934e+01, 2.4966e-01, 1.0375e+00],  
 [4.9349e+00, 4.1662e-03, 3.3127e-01],  
 [2.4912e+01, 1.1846e-01, 2.0848e+00],  
 [4.6610e+01, 4.1692e-02, 9.6665e-01],  
 [3.9306e+01, 1.4926e-01, 1.0526e+00],  
 [9.6353e+01, 2.3206e+00, 2.8611e+00],  
 [3.0169e+01, 3.2802e-02, 2.0863e+00],  
 [1.2313e-01, 2.8276e-06, 1.6318e-02],  
 [2.5911e-02, 1.3820e-07, 3.8611e-03],  
 [4.5648e-02, 5.1749e-07, 6.4191e-03],  
 [3.5155e+00, 5.2920e-03, 2.6507e-01],  
 [1.3475e+02, 2.9703e+00, 3.0206e+00],  
 [7.2808e-02, 2.6431e-06, 1.0647e-02],  
 [1.4541e+02, 1.5482e+00, 2.6999e+00],  
 [4.8287e+00, 2.2532e-03, 3.7987e-01],  
 [1.2785e+02, 4.3721e+00, 4.2614e+00],  
 [6.8484e-02, 5.1933e-06, 9.0108e-03],  
 [1.9499e+01, 9.9673e-03, 5.9955e-01],  
 [7.7799e+00, 1.4928e-03, 4.7024e-01],  
 [1.2355e+00, 2.9975e-04, 1.6921e-01],  
 [1.4420e-01, 1.0480e-05, 1.7273e-02],  
 [9.8248e+01, 6.5900e-01, 2.9608e+00],  
 [4.3678e+01, 3.4111e-02, 2.7469e+00],  
 [1.6390e+01, 3.0692e-02, 1.6028e+00],  
 [2.7419e+00, 3.4610e-03, 2.7127e-01],  
 [1.3120e+01, 6.9829e-02, 9.5954e-01],  
 [5.2496e-02, 2.7898e-07, 7.3363e-03],  
 [5.1406e-02, 1.5340e-06, 6.8748e-03],  
 [5.1980e-01, 6.4041e-05, 4.6072e-02],  
 [2.6747e+01, 9.5288e-02, 8.2522e-01],  
 [2.4288e+00, 1.1881e-03, 2.6331e-01],  
 [1.9894e+02, 5.6361e+00, 4.9555e+00],  
 [6.4048e+01, 6.3612e-01, 1.8868e+00],  
 [4.2520e-03, 4.5073e-09, 6.6086e-04],  
 [9.5416e+01, 1.9652e+00, 3.0973e+00],  
 [4.6922e+01, 9.3843e-01, 2.0376e+00],  
 [6.0861e+01, 8.3723e-01, 1.4581e+00],  
 [2.2107e+00, 6.1680e-04, 2.8279e-01],  
 [2.3031e+01, 2.8583e-02, 1.5002e+00],  
 [1.0880e+01, 1.8622e-02, 4.6323e-01],  
 [2.9831e+00, 4.6453e-04, 1.9279e-01],  
 [6.3630e-02, 4.5690e-06, 9.1509e-03],  
 [6.1207e+00, 9.9991e-03, 4.8609e-01],  
 [7.0696e-01, 4.5811e-04, 8.5269e-02],

[8.7489e+00, 2.6713e-02, 9.0035e-01],  
 [1.3268e+02, 7.6809e-01, 2.9003e+00],  
 [1.2046e+02, 7.4618e-01, 2.2554e+00],  
 [5.2397e-01, 3.3345e-06, 5.2013e-02],  
 [1.8536e+02, 5.8754e+00, 4.0674e+00],  
 [3.7096e-01, 1.6613e-05, 3.0708e-02],  
 [3.3055e-01, 1.8687e-05, 4.5005e-02],  
 [5.3222e-02, 5.9756e-07, 7.9110e-03],  
 [1.1770e+02, 2.0339e+00, 2.4419e+00],  
 [6.1206e+00, 5.3412e-04, 4.0047e-01],  
 [5.5386e+01, 3.3836e-01, 2.3013e+00],  
 [5.7193e-01, 1.2991e-05, 6.6236e-02],  
 [3.1716e+00, 2.5838e-04, 2.4616e-01],  
 [2.7037e+00, 1.8103e-03, 1.7662e-01],  
 [2.1139e+02, 5.4448e+00, 4.5484e+00],  
 [1.0124e-01, 8.5340e-06, 1.2507e-02],  
 [7.4254e-01, 9.7893e-06, 4.8750e-02],  
 [6.2327e+00, 1.8580e-02, 3.7896e-01],  
 [4.7896e+01, 3.1732e-02, 2.5556e+00],  
 [1.1902e-02, 6.7119e-08, 1.8345e-03],  
 [8.1316e-01, 2.6052e-04, 9.3130e-02],  
 [1.5573e-01, 1.1013e-06, 1.6966e-02],  
 [1.1390e-01, 2.9903e-06, 1.4533e-02],  
 [1.5180e+01, 5.8108e-02, 1.1635e+00],  
 [1.5936e+01, 1.2267e-01, 1.4120e+00],  
 [4.7992e+00, 6.4053e-04, 2.6507e-01],  
 [1.7691e+01, 6.5846e-02, 6.7726e-01],  
 [2.1137e+02, 5.2706e+00, 3.1174e+00],  
 [8.5887e+01, 1.1909e+00, 1.6511e+00],  
 [3.5225e-01, 5.0974e-05, 3.3666e-02],  
 [3.5821e-01, 2.4948e-05, 5.4172e-02],  
 [1.1979e+01, 6.2988e-03, 8.9708e-01],  
 [9.8092e+01, 9.5193e-01, 2.5325e+00],  
 [1.0342e+02, 1.2096e+00, 1.8619e+00],  
 [1.2647e+01, 1.7508e-02, 5.9210e-01],  
 [1.0265e-01, 4.8193e-06, 1.2187e-02],  
 [3.9435e+00, 1.5135e-03, 2.8059e-01],  
 [2.1974e+01, 4.3369e-02, 1.0165e+00],  
 [2.4751e+00, 1.8004e-03, 2.0616e-01],  
 [8.0633e-01, 1.5032e-04, 7.4236e-02],  
 [2.5194e+00, 1.6865e-03, 3.1706e-01],  
 [8.3714e+01, 1.6282e+00, 2.2367e+00],  
 [6.8939e+01, 1.2737e-01, 2.4223e+00],  
 [1.2160e-01, 1.2659e-05, 1.5227e-02],  
 [4.3874e-02, 2.3981e-06, 5.8987e-03],  
 [2.5975e+01, 4.4194e-02, 1.5317e+00],  
 [5.8324e-02, 2.2363e-06, 8.1224e-03],  
 [1.7388e+00, 3.3979e-04, 1.7670e-01],

[4.7850e+00, 6.6104e-04, 3.5377e-01],  
[3.3113e+01, 8.5041e-02, 2.5977e+00],  
[1.6872e+00, 5.4323e-04, 2.1621e-01],  
[1.0190e+00, 2.0184e-04, 7.2358e-02],  
[3.3098e-01, 2.0281e-05, 4.0986e-02],  
[4.8286e-02, 1.0073e-06, 7.3269e-03],  
[1.0839e+00, 1.0099e-04, 1.3157e-01],  
[4.3965e+00, 8.7207e-04, 2.6308e-01],  
[6.0948e+01, 8.9535e-02, 1.4723e+00],  
[1.2559e+00, 5.1907e-04, 1.0470e-01],  
[1.6469e+00, 6.1865e-04, 1.1343e-01],  
[1.6942e+01, 2.2743e-02, 6.0289e-01],  
[7.2986e+00, 5.3890e-03, 5.5828e-01],  
[4.5396e+01, 6.7874e-02, 1.2911e+00],  
[4.6207e-01, 1.7747e-04, 5.1158e-02],  
[6.0705e+00, 1.8237e-02, 5.5265e-01],  
[1.7180e-01, 3.9839e-05, 2.3844e-02],  
[3.1007e+01, 1.4163e-01, 1.0020e+00],  
[1.3318e+01, 6.3325e-03, 4.6219e-01],  
[5.0581e+00, 9.8313e-03, 2.9825e-01],  
[1.5462e-02, 3.5769e-08, 2.2841e-03],  
[5.5524e-01, 2.1143e-05, 4.8132e-02],  
[6.9560e+01, 2.5193e-01, 2.2615e+00],  
[9.3093e+01, 3.6503e-01, 1.5495e+00],  
[6.5927e-01, 8.0164e-05, 4.3238e-02],  
[5.7445e+01, 5.1431e-01, 1.6394e+00],  
[1.6981e+01, 6.8582e-02, 8.9369e-01],  
[7.4744e-01, 4.9846e-04, 8.3261e-02],  
[1.1763e+01, 3.7470e-02, 5.0398e-01],  
[1.1637e-01, 1.9740e-06, 1.7049e-02],  
[5.0696e+01, 5.4280e-02, 2.6473e+00],  
[1.7745e+00, 1.0305e-03, 1.3004e-01],  
[1.8601e+01, 1.9131e-02, 1.5608e+00],  
[8.9723e-01, 2.3430e-04, 1.0545e-01],  
[1.3854e+00, 1.1691e-04, 1.4713e-01],  
[1.2979e+00, 4.6693e-04, 8.1806e-02],  
[2.0412e+01, 1.2885e-01, 1.5066e+00],  
[2.0486e+01, 2.9737e-02, 1.2387e+00],  
[1.8775e+01, 6.5828e-02, 7.2294e-01],  
[2.8300e+02, 2.8967e+00, 4.7810e+00],  
[1.2005e+02, 1.0130e-01, 2.9970e+00],  
[7.5279e-01, 1.1941e-04, 6.1566e-02],  
[5.8008e-01, 4.2451e-05, 4.5284e-02],  
[2.5995e-01, 8.3393e-05, 3.2814e-02],  
[1.3481e+01, 4.7732e-03, 9.3620e-01],  
[6.2482e+00, 4.1354e-03, 4.0012e-01],  
[2.9264e+00, 1.9888e-03, 2.1170e-01],  
[1.6654e+01, 4.4039e-02, 1.0793e+00],

[4.3961e-01, 1.2921e-04, 4.6271e-02],  
[1.4816e-02, 8.8557e-08, 2.1654e-03],  
[1.1219e-01, 1.0275e-05, 1.7079e-02],  
[3.2960e-01, 5.0934e-05, 3.9048e-02],  
[1.7497e+01, 1.6663e-02, 6.0452e-01],  
[2.5865e+00, 8.6143e-04, 1.1931e-01],  
[1.0320e+01, 2.3390e-02, 9.5996e-01],  
[3.9927e-02, 1.9215e-06, 5.6179e-03],  
[1.5306e+00, 6.7728e-04, 1.7180e-01],  
[1.7257e+01, 1.0850e-01, 6.4532e-01],  
[1.3151e+02, 2.2332e+00, 4.4314e+00],  
[4.0691e-01, 6.6018e-05, 3.4803e-02],  
[2.8205e+01, 2.8396e-01, 1.6127e+00],  
[3.2941e-01, 2.2462e-05, 3.0337e-02],  
[1.3684e+00, 6.3198e-04, 1.0708e-01],  
[5.6578e+00, 7.9758e-03, 3.3670e-01],  
[5.9901e-01, 8.9740e-05, 4.9272e-02],  
[5.1290e+01, 2.9810e-01, 1.2735e+00],  
[6.2589e+01, 8.9832e-01, 1.9387e+00],  
[4.1222e+01, 3.4675e-01, 1.1652e+00],  
[1.4918e+00, 1.7662e-04, 1.6768e-01],  
[5.4813e+00, 5.9339e-04, 2.9314e-01],  
[2.6741e-01, 3.1570e-05, 2.8641e-02],  
[2.4773e+00, 1.1278e-03, 1.5825e-01],  
[6.1802e-04, 6.8907e-11, 1.0068e-04],  
[5.2785e+01, 3.5873e-01, 1.3419e+00],  
[2.8941e-02, 7.1866e-08, 4.2748e-03],  
[1.8872e+02, 7.7671e+00, 4.2558e+00],  
[2.8906e-02, 5.8696e-07, 3.9843e-03],  
[4.4165e-01, 7.7113e-05, 4.7334e-02],  
[5.4223e+00, 3.5744e-03, 6.1187e-01],  
[1.8942e+01, 6.3030e-02, 7.6595e-01],  
[7.7868e+00, 1.1946e-02, 3.8585e-01],  
[3.7543e+00, 2.0342e-03, 3.6239e-01],  
[1.1104e+02, 1.1671e+00, 1.9353e+00],  
[3.5868e-01, 2.2252e-05, 3.2134e-02],  
[2.5341e+01, 1.8284e-02, 6.6665e-01],  
[1.0988e+01, 1.1588e-02, 3.4879e-01],  
[2.1999e-01, 1.5674e-05, 2.3897e-02],  
[1.8250e-01, 7.3573e-06, 2.2671e-02],  
[9.6016e+00, 6.0040e-03, 3.9563e-01],  
[7.9778e+00, 8.2872e-03, 6.9191e-01],  
[1.1623e+00, 2.6590e-04, 1.1360e-01],  
[2.2263e-01, 2.1161e-06, 2.7620e-02],  
[2.8875e+00, 3.9817e-04, 2.3251e-01],  
[2.3184e-03, 3.2644e-09, 3.6733e-04],  
[9.2236e-02, 2.4439e-06, 1.1409e-02],  
[1.0477e+01, 2.2557e-03, 4.8324e-01],

[2.3181e+02, 2.4698e+00, 4.5210e+00],  
 [1.5097e+00, 9.0180e-04, 1.1006e-01],  
 [7.4911e+00, 3.0458e-02, 4.8375e-01],  
 [2.8392e-01, 3.2427e-05, 2.4905e-02],  
 [1.2352e+02, 3.4632e+00, 4.4646e+00],  
 [7.2847e+00, 1.0562e-02, 5.1545e-01],  
 [1.0585e+00, 2.8969e-04, 7.2820e-02],  
 [1.6917e+02, 5.4925e+00, 4.2207e+00],  
 [1.0731e+01, 1.5283e-02, 5.1904e-01],  
 [9.3564e-01, 2.7877e-04, 7.5217e-02],  
 [1.8508e-01, 1.8377e-06, 1.9582e-02],  
 [4.4335e+01, 2.2286e-02, 1.4770e+00],  
 [1.5838e+02, 2.7662e+00, 4.6277e+00],  
 [3.2507e+01, 3.7557e-01, 1.3482e+00],  
 [1.0971e+01, 1.5007e-01, 1.1402e+00],  
 [5.1506e+00, 1.6919e-02, 4.3380e-01],  
 [1.1383e+02, 4.2431e-01, 3.0918e+00],  
 [2.6804e+00, 4.9724e-04, 1.6919e-01],  
 [1.7987e+01, 1.0697e-02, 1.6318e+00],  
 [3.7168e-01, 2.4865e-05, 3.8589e-02],  
 [5.2222e+00, 9.6518e-03, 2.7431e-01],  
 [6.1496e-01, 1.1959e-04, 5.7433e-02],  
 [1.0845e+01, 1.3555e-02, 6.9158e-01],  
 [1.3927e+01, 1.9564e-02, 1.2773e+00],  
 [7.9740e+01, 6.6672e-01, 2.3536e+00],  
 [2.7786e+01, 8.7619e-02, 9.1753e-01],  
 [2.2158e+01, 7.6731e-02, 8.1120e-01],  
 [5.8870e+00, 9.7415e-04, 2.8544e-01],  
 [2.0129e+01, 3.6262e-02, 1.2453e+00],  
 [2.3755e+02, 2.4611e+00, 4.2057e+00],  
 [1.4473e+00, 7.6961e-05, 1.1950e-01],  
 [3.7078e+01, 3.3725e-01, 1.2570e+00],  
 [6.2266e+00, 5.5621e-03, 2.9289e-01],  
 [2.3435e+02, 2.6722e+00, 4.7923e+00],  
 [2.8242e+00, 1.4452e-03, 1.8896e-01],  
 [4.5851e-02, 4.9309e-07, 6.8816e-03],  
 [1.0177e-01, 2.1603e-06, 1.3045e-02],  
 [2.4832e-01, 1.6708e-05, 2.7290e-02],  
 [2.5785e+02, 1.4358e+01, 4.7409e+00],  
 [3.1769e-01, 4.2239e-06, 3.2663e-02],  
 [1.5601e+01, 2.8517e-02, 6.0253e-01],  
 [4.3845e+01, 4.9917e-01, 1.4928e+00],  
 [6.0559e+01, 1.8383e-01, 2.4036e+00],  
 [8.5712e+01, 3.6404e-01, 2.2267e+00],  
 [1.0173e-02, 5.8390e-08, 1.5963e-03],  
 [1.0079e+01, 3.4414e-03, 4.2174e-01],  
 [1.0731e+02, 1.1443e+00, 2.1417e+00],  
 [1.9667e+00, 7.8285e-04, 1.3722e-01],



```

[1.5277e+02, 2.9469e+00, 3.9779e+00],
[6.3224e+00, 6.7824e-03, 3.9111e-01],
[7.8879e+01, 6.9975e-01, 2.8051e+00],
[7.2044e+00, 2.3081e-03, 7.2752e-01]], dtype=torch.float64)
Iteration: 27
Inputs: tensor([[1.0330e+20, 1.5717e+02, 1.2656e+01, 7.4337e+00],
[4.9349e+20, 2.8427e+02, 1.0617e+01, 9.5831e+00],
[4.6871e+18, 3.9693e+02, 1.1953e+01, 1.9991e+00],
...,
[7.3306e+20, 2.7730e+02, 1.8166e+01, 2.0177e+00],
[4.6592e+18, 3.9244e+02, 8.9385e+00, 7.1300e+00],
[5.0918e+20, 4.7797e+02, 1.5091e+01, 8.1732e+00]], dtype=torch.float64)
Target: tensor([[2.1504e+01, 1.3639e-01, 1.1360e+00],
[1.3374e+02, 3.9273e+00, 3.4259e+00],
[3.7316e-01, 1.4045e-05, 4.2549e-02],
[5.7773e-02, 4.5017e-07, 7.5108e-03],
[4.6263e+00, 3.9390e-03, 2.5456e-01],
[2.9755e+00, 5.1233e-03, 2.8826e-01],
[1.9252e+01, 9.0600e-02, 6.2862e-01],
[3.4581e+01, 2.1249e-01, 1.8414e+00],
[6.8657e+01, 6.8013e-01, 2.0190e+00],
[1.1574e+02, 2.3636e+00, 2.6667e+00],
[1.3857e+00, 4.0027e-04, 1.8029e-01],
[3.9428e-01, 7.0048e-06, 4.0742e-02],
[1.5362e+00, 2.1086e-04, 9.6062e-02],
[4.8411e+01, 5.8586e-01, 1.8996e+00],
[1.2174e+02, 1.5023e+00, 2.8038e+00],
[1.5114e+02, 1.9614e+00, 2.8295e+00],
[2.6984e+01, 4.8647e-02, 7.6771e-01],
[6.2497e-01, 3.4993e-04, 7.4953e-02],
[1.3789e+02, 1.1983e-01, 2.6426e+00],
[4.4770e+00, 4.0289e-03, 3.1123e-01],
[3.6885e-01, 8.7170e-06, 3.9145e-02],
[9.1806e-01, 6.6600e-05, 1.0526e-01],
[1.0735e+00, 1.2770e-04, 9.7457e-02],
[1.6695e+01, 1.0050e-01, 7.5815e-01],
[1.6564e+01, 7.1866e-02, 7.0526e-01],
[6.9107e+00, 8.8041e-03, 7.4063e-01],
[1.0241e+02, 1.1095e+00, 2.2389e+00],
[6.4436e+01, 3.9220e-02, 2.1447e+00],
[8.1627e+01, 7.3561e-01, 2.0402e+00],
[2.8436e+01, 2.1507e-01, 1.0315e+00],
[1.1424e+01, 1.2592e-01, 1.0807e+00],
[1.7311e+00, 1.2761e-04, 1.4928e-01],
[1.1589e+00, 4.8036e-04, 8.0655e-02],
[9.1232e-03, 6.4072e-09, 1.4015e-03],
[4.3846e+00, 5.2409e-03, 2.4361e-01],
[1.9488e+00, 5.1197e-04, 2.0092e-01],

```

[5.5657e-01, 1.2703e-04, 4.9822e-02],  
 [2.5328e+00, 9.8370e-04, 1.6110e-01],  
 [3.1603e+00, 1.9456e-03, 1.8366e-01],  
 [5.0444e-01, 3.8860e-05, 5.2742e-02],  
 [8.6495e+01, 3.6979e-01, 3.8791e+00],  
 [5.2567e-03, 1.5867e-08, 8.2646e-04],  
 [8.5325e+00, 9.4239e-03, 4.4274e-01],  
 [8.9938e-02, 1.5030e-06, 1.1270e-02],  
 [2.8505e+01, 2.7349e-02, 1.6842e+00],  
 [5.6863e-02, 2.3835e-07, 8.5659e-03],  
 [6.2556e-01, 4.0864e-06, 4.7033e-02],  
 [3.0069e+00, 9.8839e-03, 2.8859e-01],  
 [2.2434e-03, 6.0158e-09, 3.6228e-04],  
 [2.1896e+01, 9.5881e-02, 1.8290e+00],  
 [3.6256e+01, 1.0356e-01, 2.3633e+00],  
 [1.0936e-01, 2.8362e-06, 1.3439e-02],  
 [6.5381e+01, 1.4144e+00, 2.4193e+00],  
 [2.1702e+01, 3.7104e-02, 1.1437e+00],  
 [4.0125e-01, 9.1635e-05, 3.8698e-02],  
 [3.3497e+00, 3.0839e-03, 2.6689e-01],  
 [7.1068e-02, 2.0557e-06, 9.7301e-03],  
 [1.3467e+01, 6.4490e-02, 5.5906e-01],  
 [1.5817e+00, 5.8594e-04, 1.6772e-01],  
 [4.1025e+01, 1.2515e-01, 8.6267e-01],  
 [1.0484e+02, 2.6816e+00, 2.5269e+00],  
 [1.8557e+01, 6.3528e-02, 6.6390e-01],  
 [8.3868e+00, 2.6505e-03, 6.4812e-01],  
 [1.2176e+02, 1.3278e+00, 2.2158e+00],  
 [3.6113e-02, 4.2844e-07, 4.8973e-03],  
 [5.3661e+00, 5.1480e-03, 4.0671e-01],  
 [8.6221e+01, 4.9010e-01, 3.3979e+00],  
 [1.7936e+02, 3.3571e+00, 4.3370e+00],  
 [7.1519e-02, 1.0067e-06, 1.0737e-02],  
 [1.5910e+02, 4.4930e+00, 4.1746e+00],  
 [1.4607e+00, 1.9341e-03, 1.4495e-01],  
 [6.2643e-04, 4.4254e-10, 1.0197e-04],  
 [3.3574e+01, 3.8479e-01, 1.0773e+00],  
 [2.1964e-03, 1.8229e-09, 3.4849e-04],  
 [7.1555e-01, 3.8161e-04, 1.0223e-01],  
 [6.3950e-01, 1.2294e-04, 7.4403e-02],  
 [3.8761e+01, 1.3103e-01, 1.4755e+00],  
 [3.4152e+01, 8.8217e-02, 1.2258e+00],  
 [8.1367e-02, 6.6476e-06, 9.6966e-03],  
 [1.2231e-01, 7.6423e-06, 1.3895e-02],  
 [3.6158e+01, 4.0037e-01, 1.4712e+00],  
 [4.6567e-01, 1.2464e-04, 4.2696e-02],  
 [9.9593e+00, 2.8406e-02, 8.1023e-01],  
 [8.5935e-01, 1.3885e-04, 6.8923e-02],

[1.3680e+01, 2.8992e-02, 1.4216e+00],  
 [8.2082e+00, 1.0538e-02, 6.1764e-01],  
 [9.9461e+01, 1.3313e+00, 2.9566e+00],  
 [1.3748e+00, 2.0433e-04, 8.5921e-02],  
 [7.0255e-02, 5.2265e-06, 9.8982e-03],  
 [2.3370e+02, 6.5426e+00, 3.9328e+00],  
 [8.0782e-03, 1.5714e-08, 1.2213e-03],  
 [4.7035e+01, 3.9694e-01, 2.4538e+00],  
 [1.3996e+02, 2.2123e+00, 4.1612e+00],  
 [1.0659e+02, 1.3855e-01, 4.3826e+00],  
 [1.7350e+00, 2.4083e-03, 2.0354e-01],  
 [8.5178e-01, 1.2910e-04, 6.8275e-02],  
 [3.8194e+01, 3.7229e-01, 1.4991e+00],  
 [3.8804e+01, 4.9015e-01, 2.2416e+00],  
 [1.1211e-01, 1.2548e-05, 1.2614e-02],  
 [1.4932e+00, 1.0094e-03, 1.1589e-01],  
 [4.8024e+00, 1.8243e-04, 2.2041e-01],  
 [2.9335e+01, 5.6438e-02, 1.7144e+00],  
 [3.6685e-01, 5.9639e-06, 3.5923e-02],  
 [5.0137e+01, 3.1285e-01, 1.9072e+00],  
 [5.7527e-01, 3.5516e-05, 4.8002e-02],  
 [9.2126e+00, 1.1121e-02, 3.9886e-01],  
 [1.1100e+01, 1.3255e-02, 1.0216e+00],  
 [2.2825e+01, 3.6199e-03, 7.6630e-01],  
 [8.2561e+00, 6.4622e-03, 4.7533e-01],  
 [1.9788e-02, 3.9190e-07, 3.1096e-03],  
 [1.0410e-01, 3.0621e-06, 1.3978e-02],  
 [2.8918e+02, 3.4801e+00, 5.1392e+00],  
 [8.0412e+00, 1.5405e-02, 3.3688e-01],  
 [8.0250e+00, 1.2454e-02, 5.9465e-01],  
 [4.9570e+01, 2.4587e-01, 3.0511e+00],  
 [5.2684e+00, 1.3004e-02, 4.8526e-01],  
 [2.5866e+00, 1.7840e-03, 2.5297e-01],  
 [1.2395e+00, 5.2969e-04, 1.1850e-01],  
 [1.2721e+00, 2.7604e-04, 1.3120e-01],  
 [5.2153e-01, 1.1646e-04, 5.6951e-02],  
 [1.1865e+01, 1.6865e-02, 5.4274e-01],  
 [6.1078e-03, 1.1297e-08, 9.6980e-04],  
 [1.3823e+01, 1.3847e-01, 1.1183e+00],  
 [9.8589e+00, 2.7807e-02, 6.3611e-01],  
 [3.4194e+01, 3.8204e-02, 1.3994e+00],  
 [5.8821e+01, 4.9342e-01, 1.7040e+00],  
 [9.5417e+01, 5.0938e-01, 2.5494e+00],  
 [1.0764e-02, 5.1010e-08, 1.6073e-03],  
 [3.2425e+01, 4.0015e-01, 1.2005e+00],  
 [7.8088e-01, 5.5547e-05, 4.9469e-02],  
 [3.7647e+01, 2.3658e-01, 2.5329e+00],  
 [3.0055e+00, 6.1743e-04, 1.8101e-01],

[2.6110e+01, 1.5672e-01, 1.0981e+00],  
 [6.4286e+00, 1.3658e-02, 4.1986e-01],  
 [1.6542e+00, 1.1821e-03, 1.2899e-01],  
 [6.5343e+00, 3.8264e-03, 3.9140e-01],  
 [4.8151e+00, 1.9950e-03, 2.1103e-01],  
 [9.7702e-02, 7.2364e-07, 1.3014e-02],  
 [8.3826e+01, 9.3775e-01, 3.2580e+00],  
 [4.8619e+01, 7.6113e-01, 2.3238e+00],  
 [5.5546e+01, 4.1480e-01, 3.0397e+00],  
 [2.2364e-01, 5.7332e-06, 2.8256e-02],  
 [4.4669e+01, 1.7944e-01, 2.1882e+00],  
 [1.0849e+02, 9.5090e-01, 2.6835e+00],  
 [1.4155e+02, 7.8904e-01, 2.6663e+00],  
 [4.9102e-01, 1.2178e-05, 4.1111e-02],  
 [6.6402e+01, 1.1403e+00, 2.3358e+00],  
 [1.0739e-01, 3.1468e-06, 1.4272e-02],  
 [5.0205e+01, 1.1419e-01, 2.2250e+00],  
 [1.4887e+00, 6.3618e-05, 1.1566e-01],  
 [2.2359e+01, 2.5497e-02, 6.4333e-01],  
 [2.6425e+01, 6.0723e-02, 8.6148e-01],  
 [3.4099e-01, 1.3475e-04, 4.3554e-02],  
 [5.6223e+01, 3.6242e-01, 1.2853e+00],  
 [1.9587e+02, 3.6308e+00, 3.9495e+00],  
 [1.5544e+01, 9.9975e-02, 8.1062e-01],  
 [2.5251e+01, 1.2214e-01, 1.2116e+00],  
 [1.0120e-01, 6.9348e-06, 1.4935e-02],  
 [1.4890e+01, 3.0673e-02, 1.1268e+00],  
 [6.3049e+00, 1.2913e-02, 5.3417e-01],  
 [2.7135e-04, 2.0499e-11, 4.4565e-05],  
 [1.1731e+00, 6.2114e-05, 7.2571e-02],  
 [7.1526e+00, 1.4185e-02, 4.1735e-01],  
 [2.2575e+00, 1.4256e-03, 2.3133e-01],  
 [2.1950e+01, 1.0234e-01, 9.7941e-01],  
 [3.9397e+01, 4.3348e-01, 1.7239e+00],  
 [3.2923e-03, 5.4374e-09, 5.2012e-04],  
 [5.2996e+01, 2.6732e-02, 1.1782e+00],  
 [3.8814e+00, 2.6048e-04, 1.7083e-01],  
 [1.7107e-01, 1.6569e-06, 1.9712e-02],  
 [2.1030e+00, 1.8377e-03, 1.3876e-01],  
 [2.7231e+00, 6.1782e-04, 2.8044e-01],  
 [1.1176e-01, 1.4086e-06, 1.4360e-02],  
 [7.0954e+00, 3.5652e-03, 4.0684e-01],  
 [9.2882e+00, 1.1036e-03, 4.6217e-01],  
 [5.8874e+01, 1.2943e-01, 1.7328e+00],  
 [2.6522e+00, 2.9563e-03, 2.0300e-01],  
 [1.1535e+02, 3.4954e-01, 4.0175e+00],  
 [9.9916e+00, 1.3386e-02, 4.0778e-01],  
 [6.9096e-02, 2.4041e-06, 8.8336e-03],

[3.1368e-02, 1.2787e-07, 4.6645e-03],  
 [8.2410e-01, 6.0038e-05, 8.6268e-02],  
 [1.1297e+02, 2.4522e+00, 3.3135e+00],  
 [2.9166e+00, 3.3545e-03, 1.8991e-01],  
 [5.3105e+00, 2.8614e-03, 2.2994e-01],  
 [1.4957e+00, 5.5418e-04, 9.1582e-02],  
 [1.8863e+02, 6.4163e-01, 3.2713e+00],  
 [7.3322e+01, 6.3166e-01, 3.8594e+00],  
 [2.5149e+00, 2.8937e-04, 1.5347e-01],  
 [1.0928e+00, 8.8663e-04, 1.2468e-01],  
 [1.2366e+01, 5.7095e-03, 5.2887e-01],  
 [8.9831e-01, 9.5256e-05, 1.0433e-01],  
 [3.1122e-02, 4.7305e-07, 4.2464e-03],  
 [3.8288e-02, 3.6455e-07, 5.4359e-03],  
 [6.1088e+01, 1.8843e-01, 1.5311e+00],  
 [7.6114e+01, 6.1186e-01, 2.6092e+00],  
 [9.5713e+01, 4.8685e-01, 1.9319e+00],  
 [3.0685e-02, 9.4296e-07, 4.2591e-03],  
 [3.8502e+01, 4.5253e-01, 2.5748e+00],  
 [1.4782e+01, 7.0452e-02, 7.2307e-01],  
 [5.0550e-02, 5.6812e-07, 6.9758e-03],  
 [8.3836e+00, 8.8644e-03, 7.1483e-01],  
 [1.9020e+01, 1.9755e-02, 9.5877e-01],  
 [1.5744e+02, 9.7963e-01, 2.8011e+00],  
 [3.5399e+00, 1.9786e-04, 2.2810e-01],  
 [5.2416e-01, 5.0552e-06, 4.9490e-02],  
 [4.3782e+00, 1.7194e-03, 2.7432e-01],  
 [1.8269e+01, 1.3197e-01, 1.0183e+00],  
 [8.0465e-02, 1.4117e-06, 1.0101e-02],  
 [4.3287e+01, 3.0359e-02, 1.2240e+00],  
 [1.2986e+02, 1.2493e+00, 2.9769e+00],  
 [5.8589e+00, 3.1642e-03, 4.4683e-01],  
 [2.6339e+00, 1.1323e-03, 2.3540e-01],  
 [1.3706e+02, 1.8889e+00, 3.0391e+00],  
 [3.1386e-01, 4.9173e-06, 2.7644e-02],  
 [2.4902e+00, 2.4913e-04, 2.0563e-01],  
 [4.4195e+01, 4.1400e-01, 1.5286e+00],  
 [1.6689e+00, 5.4577e-04, 1.7729e-01],  
 [5.4894e+00, 6.2630e-03, 2.8576e-01],  
 [7.8400e+00, 5.5053e-03, 4.4987e-01],  
 [3.9428e+00, 3.9707e-03, 2.5188e-01],  
 [9.9527e-02, 8.4471e-06, 1.1824e-02],  
 [2.5345e-01, 8.5250e-05, 3.6319e-02],  
 [5.6597e+01, 8.2978e-02, 3.3572e+00],  
 [1.5316e+02, 9.3852e-01, 2.9241e+00],  
 [2.9848e-01, 3.1359e-05, 3.1828e-02],  
 [2.4020e+00, 1.0727e-03, 2.2806e-01],  
 [4.5233e+01, 8.9735e-02, 1.8918e+00],

[1.0608e-02, 9.5544e-08, 1.6283e-03],  
 [3.1424e+01, 6.9769e-02, 1.6858e+00],  
 [7.6765e+01, 5.1467e-01, 3.6141e+00],  
 [6.5165e-01, 5.6655e-05, 8.2957e-02],  
 [5.5236e+00, 4.9508e-03, 2.6416e-01],  
 [3.0271e-01, 4.8468e-05, 2.9191e-02],  
 [1.8362e+01, 5.3421e-02, 5.3257e-01],  
 [1.4883e+02, 3.6116e+00, 3.6502e+00],  
 [5.4739e-01, 7.3516e-05, 5.8046e-02],  
 [3.6717e-03, 2.5081e-08, 5.8447e-04],  
 [4.5914e-01, 1.3503e-04, 5.6953e-02],  
 [1.8682e+00, 5.8620e-04, 1.2918e-01],  
 [5.4503e+00, 3.0175e-03, 2.7549e-01],  
 [3.9650e+01, 1.0554e-01, 1.3593e+00],  
 [1.6563e+02, 2.4335e+00, 2.8427e+00],  
 [3.2667e+00, 1.1022e-03, 1.4523e-01],  
 [2.8177e+01, 2.7561e-01, 1.0085e+00],  
 [7.1897e+00, 7.6725e-03, 3.2834e-01],  
 [1.7315e+01, 2.8337e-02, 8.4566e-01],  
 [3.8950e+01, 1.5104e-01, 1.6987e+00],  
 [2.0399e-02, 5.6730e-08, 2.9813e-03],  
 [1.9606e+01, 1.1620e-01, 7.7807e-01],  
 [1.9533e+02, 2.5715e+00, 3.1154e+00],  
 [4.3381e+01, 7.6046e-01, 2.5050e+00],  
 [1.1861e-01, 8.2522e-06, 1.5893e-02],  
 [1.5968e+00, 6.5308e-04, 1.0417e-01],  
 [2.1568e+00, 3.3100e-03, 2.0978e-01],  
 [4.9318e+01, 7.6359e-01, 2.0173e+00],  
 [1.7618e-01, 2.9089e-06, 2.4161e-02],  
 [2.1579e+01, 2.5653e-02, 1.0900e+00],  
 [1.3874e+00, 7.6697e-04, 1.0022e-01],  
 [1.7466e+02, 3.2417e+00, 3.7144e+00],  
 [2.4294e+01, 1.4635e-01, 9.4557e-01],  
 [1.1370e-01, 7.8010e-07, 1.5032e-02],  
 [3.1729e+01, 1.3256e-01, 1.2772e+00],  
 [5.4969e-01, 6.1133e-05, 5.1117e-02],  
 [7.3172e+01, 6.7024e-01, 2.1578e+00],  
 [6.0836e+00, 1.6768e-02, 3.6057e-01],  
 [4.2575e+00, 1.7433e-03, 2.0903e-01],  
 [4.5272e-01, 1.8548e-05, 4.5468e-02],  
 [3.0545e-01, 8.3733e-06, 2.8097e-02],  
 [1.9420e+01, 9.6977e-02, 6.4972e-01],  
 [1.3803e+00, 1.4667e-04, 1.1090e-01],  
 [2.5758e-02, 1.2756e-07, 3.7102e-03],  
 [9.8234e-03, 7.0531e-08, 1.5341e-03],  
 [4.8044e-01, 5.0370e-05, 4.9292e-02],  
 [1.9260e-01, 3.4659e-05, 2.2536e-02],  
 [2.7760e+01, 1.8080e-01, 1.5352e+00],

```

[2.0019e-01, 3.8943e-06, 2.0148e-02],
[3.9192e-01, 4.9338e-05, 4.7046e-02],
[1.6871e+00, 2.6762e-04, 1.6707e-01],
[5.4468e+01, 8.2044e-02, 1.9542e+00],
[1.3381e-01, 5.2875e-06, 1.5153e-02],
[2.9483e+01, 2.5036e-01, 2.1627e+00],
[2.1558e-03, 9.4667e-10, 3.5127e-04],
[8.0217e-01, 3.4255e-04, 6.6272e-02],
[2.1011e+01, 1.7194e-02, 9.1411e-01],
[2.3991e+00, 8.5985e-04, 1.8111e-01],
[9.8684e+00, 4.9797e-02, 5.8222e-01],
[1.2278e+02, 3.0001e+00, 2.9481e+00],
[4.7272e+00, 1.5288e-03, 2.2938e-01],
[1.5954e-01, 2.1819e-05, 1.6812e-02],
[1.3773e+02, 5.8144e-01, 3.1713e+00],
[7.8954e-03, 5.6847e-08, 1.1977e-03],
[2.4850e-01, 1.7519e-05, 2.3333e-02],
[5.9308e-01, 2.7656e-04, 7.2288e-02],
[2.2561e+02, 1.1022e+00, 4.4484e+00],
[8.3607e+00, 4.3880e-04, 4.2928e-01],
[5.5978e-01, 7.1457e-05, 6.7132e-02],
[3.0298e+01, 1.7892e-01, 1.7993e+00],
[6.2385e+01, 3.8281e-01, 3.5829e+00],
[2.1045e+02, 3.8298e+00, 4.7007e+00],
[2.4207e+00, 9.3402e-04, 1.6860e-01],
[7.6059e-01, 1.4457e-04, 7.7143e-02],
[2.0487e+02, 3.4380e+00, 4.0268e+00],
[8.1453e-01, 2.8478e-04, 7.2275e-02],
[2.6172e+00, 9.0046e-03, 2.7359e-01],
[6.6343e+00, 1.7651e-02, 4.6144e-01],
[1.9116e+01, 2.1502e-01, 1.5471e+00],
[2.3137e-01, 1.6366e-05, 2.3691e-02],
[3.3143e+01, 3.5435e-01, 2.1462e+00],
[5.6656e+01, 5.2463e-02, 1.7339e+00],
[3.2267e+00, 6.9510e-04, 1.6785e-01],
[1.1679e+00, 1.4393e-04, 1.2766e-01],
[3.0752e-01, 2.7006e-05, 2.8705e-02],
[4.0751e+01, 1.0731e-01, 1.4978e+00],
[2.3881e+01, 9.6952e-02, 7.3431e-01],
[3.1722e-01, 1.3862e-05, 3.3478e-02],
[1.6070e+00, 6.2726e-04, 1.7238e-01],
[4.6441e+01, 1.8584e-01, 2.9126e+00],
[1.8693e+00, 6.5229e-04, 1.2368e-01],
[1.5781e+02, 5.0883e+00, 3.5437e+00]], dtype=torch.float64)

```

Iteration: 28

```

Inputs: tensor([[9.6068e+19, 2.6466e+02, 5.4944e+00, 7.0296e+00],
               [7.6007e+20, 2.4472e+02, 7.0456e+00, 6.5593e+00],
               [1.9553e+20, 4.1769e+02, 1.9921e+01, 8.0649e+00],

```

```

...,
[2.3668e+20, 4.3850e+02, 5.2195e+00, 7.2633e+00],
[3.1541e+20, 1.2013e+02, 7.9592e-01, 7.5625e+00],
[3.6628e+20, 4.1270e+02, 3.8029e+00, 6.9243e+00]], dtype=torch.float64)
Target: tensor([[4.4904e+01, 2.3673e-01, 1.3517e+00],
[1.6453e+02, 2.7269e+00, 4.2940e+00],
[6.5254e+01, 1.2163e+00, 2.0066e+00],
[7.7659e+00, 5.9954e-03, 5.0221e-01],
[6.0100e-03, 2.1783e-08, 9.4751e-04],
[1.4936e-01, 4.4143e-06, 2.0060e-02],
[1.4491e-01, 1.5373e-05, 1.7005e-02],
[7.5822e+00, 8.7927e-03, 3.1195e-01],
[2.9779e-01, 5.0476e-05, 2.8809e-02],
[6.6825e+01, 3.6749e-01, 2.1027e+00],
[2.9850e+02, 3.3231e+00, 4.5164e+00],
[1.9593e+02, 5.3395e+00, 3.3558e+00],
[2.7840e-02, 5.2595e-07, 4.2137e-03],
[1.1850e+00, 8.4884e-05, 1.3000e-01],
[3.2352e+01, 8.3062e-02, 2.4609e+00],
[6.9609e+00, 2.5282e-03, 4.9016e-01],
[2.8246e+00, 3.4119e-04, 2.3255e-01],
[4.7948e+01, 2.1449e-01, 2.3278e+00],
[1.7152e+02, 1.0724e+00, 4.2626e+00],
[5.3923e-02, 2.1194e-06, 7.8198e-03],
[1.8735e+02, 6.6038e+00, 4.5014e+00],
[1.3614e+01, 1.7087e-02, 5.2733e-01],
[7.5684e+00, 8.2065e-03, 4.5844e-01],
[2.1992e-03, 2.5500e-09, 3.4853e-04],
[1.1134e+02, 1.6352e-01, 4.3533e+00],
[3.0635e-02, 9.9377e-07, 4.5959e-03],
[7.7784e+00, 9.7531e-03, 4.6774e-01],
[2.8961e-01, 3.1301e-05, 2.6066e-02],
[3.0493e+02, 8.2507e+00, 4.7433e+00],
[7.3932e-01, 1.5530e-05, 6.6580e-02],
[1.7451e+01, 2.4471e-02, 1.5727e+00],
[4.3136e+00, 4.7338e-03, 3.6220e-01],
[2.7447e+00, 6.5828e-04, 2.4369e-01],
[3.1774e+01, 8.7719e-02, 2.2980e+00],
[8.7304e+00, 4.5221e-03, 5.6236e-01],
[6.7477e+01, 5.7931e-01, 1.8380e+00],
[3.5652e+01, 1.2041e-01, 1.0411e+00],
[7.2557e+00, 1.7987e-03, 5.1296e-01],
[1.4797e+02, 1.3713e+00, 2.9418e+00],
[1.2702e+02, 1.8372e+00, 4.3602e+00],
[3.1434e+01, 5.1014e-02, 1.1366e+00],
[4.4954e-01, 1.0552e-04, 4.5135e-02],
[4.5807e+00, 1.7583e-03, 3.1182e-01],
[6.0176e-01, 1.1473e-04, 6.5831e-02],

```



[6.9739e-01, 3.4818e-05, 4.4849e-02],  
 [2.4718e+01, 1.4947e-01, 9.9784e-01],  
 [3.5347e-01, 4.6420e-05, 3.1522e-02],  
 [2.8743e+00, 9.2478e-04, 1.8047e-01],  
 [3.6917e+01, 1.2203e-01, 1.8439e+00],  
 [2.5014e+01, 6.2535e-02, 1.9595e+00],  
 [3.1714e+01, 1.8355e-01, 8.8222e-01],  
 [4.1821e+00, 2.7488e-03, 2.9543e-01],  
 [1.6967e+00, 9.8796e-04, 1.1220e-01],  
 [6.2584e+00, 7.0690e-03, 3.3594e-01],  
 [1.1211e+01, 2.5629e-02, 5.6280e-01],  
 [1.1689e+01, 6.5379e-02, 6.0835e-01],  
 [7.3708e+00, 8.7810e-03, 3.8479e-01],  
 [6.6637e+01, 5.1191e-02, 2.4313e+00],  
 [6.3125e-01, 7.1991e-05, 6.2884e-02],  
 [1.5484e-01, 8.2994e-06, 1.6617e-02],  
 [1.1019e+01, 2.7879e-03, 7.0630e-01],  
 [1.2999e+01, 2.3847e-03, 5.7619e-01],  
 [7.0260e+00, 1.5653e-02, 5.9286e-01],  
 [1.5366e+00, 1.0653e-03, 1.1422e-01],  
 [4.6485e+00, 1.2181e-03, 1.9385e-01],  
 [2.5440e-01, 1.1679e-05, 2.6487e-02],  
 [1.2865e+01, 3.8632e-02, 6.0190e-01],  
 [1.2135e-03, 9.4076e-10, 1.9616e-04],  
 [3.1607e-04, 3.4939e-11, 5.1891e-05],  
 [2.0494e+02, 1.8576e+00, 4.8507e+00],  
 [2.5070e+02, 4.1558e+00, 4.8349e+00],  
 [1.0651e+02, 2.0840e-01, 2.0759e+00],  
 [1.4161e+02, 2.9766e+00, 4.2418e+00],  
 [5.8936e+01, 7.6894e-01, 1.8578e+00],  
 [5.9314e+00, 2.1316e-02, 4.2148e-01],  
 [3.4900e+00, 5.7367e-03, 3.3672e-01],  
 [5.7334e+01, 4.7813e-01, 1.7160e+00],  
 [3.0162e+00, 9.3128e-04, 2.7254e-01],  
 [1.4198e+00, 8.2443e-04, 1.7136e-01],  
 [9.8367e+00, 5.1596e-03, 3.6312e-01],  
 [2.2077e-01, 3.5923e-05, 2.4756e-02],  
 [1.8905e+01, 2.3991e-03, 1.1696e+00],  
 [8.6568e-03, 2.4448e-08, 1.3047e-03],  
 [6.1465e+00, 6.3693e-03, 4.4713e-01],  
 [7.1042e-01, 2.9549e-05, 6.6121e-02],  
 [3.3501e+01, 1.7255e-01, 1.1136e+00],  
 [1.3247e+01, 8.2009e-02, 7.9902e-01],  
 [5.8460e+00, 4.7615e-03, 4.1125e-01],  
 [1.5114e+00, 2.2288e-04, 1.7255e-01],  
 [5.8795e-02, 1.4929e-06, 7.5635e-03],  
 [2.3876e-01, 9.3707e-06, 3.0334e-02],  
 [1.2694e+02, 1.9125e+00, 2.2226e+00],

[5.2207e+00, 5.1382e-03, 2.9783e-01],  
 [1.1587e+01, 2.6443e-02, 4.7532e-01],  
 [3.6280e-01, 1.7424e-05, 4.9430e-02],  
 [5.3596e+01, 5.5373e-01, 2.2766e+00],  
 [1.1694e+02, 6.3353e-01, 3.2412e+00],  
 [4.2680e+00, 1.3441e-03, 3.3500e-01],  
 [5.8099e+01, 1.4970e-01, 2.5177e+00],  
 [3.6196e+01, 1.8305e-01, 1.5676e+00],  
 [3.0307e-01, 7.9976e-06, 2.5538e-02],  
 [2.6407e-01, 5.6208e-05, 2.8392e-02],  
 [2.3304e-02, 1.2533e-07, 3.6078e-03],  
 [5.9498e+01, 3.0132e-01, 2.2511e+00],  
 [8.4138e+01, 1.5956e+00, 3.5930e+00],  
 [7.6741e+01, 4.9822e-01, 1.4624e+00],  
 [3.6020e+01, 2.4770e-01, 1.1864e+00],  
 [3.7305e-01, 1.4915e-04, 5.0843e-02],  
 [2.4077e+00, 9.9907e-04, 1.7096e-01],  
 [2.3010e+00, 2.0078e-03, 1.8899e-01],  
 [1.3094e+02, 7.9366e-01, 2.9410e+00],  
 [3.9374e+01, 3.2885e-01, 2.2604e+00],  
 [4.5436e-01, 2.4272e-05, 3.4100e-02],  
 [1.7583e+00, 7.7722e-05, 9.4577e-02],  
 [4.2378e-01, 5.9909e-05, 4.3817e-02],  
 [2.8638e+01, 1.1944e-01, 1.2386e+00],  
 [2.4667e+01, 1.2624e-01, 1.4657e+00],  
 [2.1238e+01, 1.7496e-01, 1.0587e+00],  
 [1.2808e+01, 3.8079e-02, 7.1887e-01],  
 [4.2792e+01, 1.7339e-01, 1.2392e+00],  
 [7.9402e+01, 3.1459e-01, 2.5539e+00],  
 [4.3682e-01, 7.2445e-05, 4.1610e-02],  
 [1.0346e-01, 1.6898e-06, 1.5042e-02],  
 [4.8665e-01, 1.7984e-05, 4.3163e-02],  
 [8.9816e-01, 2.5119e-04, 9.7913e-02],  
 [3.2200e-01, 2.1535e-05, 3.4589e-02],  
 [6.5180e-01, 1.5655e-05, 5.3385e-02],  
 [6.6105e+01, 3.7162e-01, 3.6270e+00],  
 [1.0971e+01, 2.5637e-02, 4.9938e-01],  
 [1.5673e+00, 1.5132e-04, 9.4411e-02],  
 [2.5953e+00, 2.9952e-03, 2.4219e-01],  
 [3.1128e+00, 1.3415e-03, 1.5086e-01],  
 [5.5520e-01, 2.8952e-04, 7.2964e-02],  
 [7.7829e-01, 1.3478e-04, 6.7468e-02],  
 [2.2994e+01, 4.5851e-02, 1.8416e+00],  
 [1.4384e+00, 3.5539e-04, 1.4400e-01],  
 [5.6778e+00, 8.0828e-03, 4.6671e-01],  
 [6.1601e+01, 4.1515e-01, 2.2613e+00],  
 [4.1699e-01, 1.4013e-04, 4.2881e-02],  
 [1.3050e+02, 4.5972e-01, 2.4761e+00],

[7.4983e+00, 1.7084e-03, 4.3354e-01],  
 [3.2736e+01, 1.4558e-01, 1.1226e+00],  
 [3.2807e+00, 1.9815e-03, 2.5141e-01],  
 [1.1353e-01, 3.2365e-06, 1.6286e-02],  
 [1.4374e+01, 5.6058e-02, 7.8659e-01],  
 [1.0992e+01, 2.0859e-03, 7.6089e-01],  
 [6.0875e-03, 6.3630e-09, 9.5060e-04],  
 [1.2161e-01, 9.5063e-06, 1.4682e-02],  
 [6.1172e+00, 1.1898e-02, 6.3644e-01],  
 [1.3969e+02, 2.0512e+00, 3.8895e+00],  
 [5.2193e+01, 6.4158e-02, 1.2599e+00],  
 [1.9052e+02, 5.3821e+00, 4.6171e+00],  
 [7.5388e+01, 1.0903e+00, 2.1421e+00],  
 [4.0932e+01, 7.9165e-02, 1.9428e+00],  
 [6.4679e+01, 2.1929e-01, 2.4184e+00],  
 [2.3620e+00, 4.6200e-04, 1.2925e-01],  
 [2.3210e+01, 1.2458e-01, 8.8549e-01],  
 [9.8030e+01, 1.6781e+00, 3.5895e+00],  
 [9.5575e+01, 8.1762e-01, 1.9347e+00],  
 [4.3128e+01, 3.4329e-01, 1.9175e+00],  
 [7.5379e+01, 1.7355e-01, 2.4033e+00],  
 [2.9785e+01, 3.2072e-01, 1.0039e+00],  
 [3.2979e+01, 1.6027e-02, 1.4585e+00],  
 [2.5383e-01, 2.6987e-06, 2.4174e-02],  
 [8.0586e+00, 5.5291e-03, 3.0022e-01],  
 [8.2722e+00, 4.3146e-03, 4.5886e-01],  
 [1.7881e+00, 9.7963e-05, 1.7575e-01],  
 [4.6793e+01, 1.8980e-01, 1.1842e+00],  
 [9.5003e+00, 1.7114e-02, 7.6446e-01],  
 [7.4548e+01, 2.1666e-01, 1.4266e+00],  
 [2.5743e+01, 7.1626e-02, 1.0109e+00],  
 [5.6912e-01, 1.6344e-04, 4.8255e-02],  
 [8.0281e+00, 1.5470e-02, 4.8065e-01],  
 [1.6104e-02, 3.9922e-08, 2.4237e-03],  
 [1.9696e+00, 6.5659e-04, 2.2426e-01],  
 [5.9745e+01, 4.3711e-01, 2.1077e+00],  
 [5.6232e+01, 1.4681e+00, 3.0961e+00],  
 [1.9285e+01, 8.2164e-02, 7.9481e-01],  
 [3.8794e-01, 1.0831e-05, 4.7855e-02],  
 [2.0527e+02, 3.8189e+00, 4.8324e+00],  
 [1.7884e+01, 9.5885e-02, 7.0311e-01],  
 [6.4422e-02, 1.6356e-06, 9.3935e-03],  
 [6.7603e-02, 2.4537e-06, 8.3302e-03],  
 [9.2180e+01, 4.8001e-01, 2.8115e+00],  
 [1.2994e+02, 7.4726e-01, 2.4187e+00],  
 [1.0490e+00, 1.1363e-04, 7.8913e-02],  
 [1.9429e+01, 3.7841e-02, 6.1997e-01],  
 [2.7945e+00, 1.5123e-03, 1.7624e-01],

[6.7307e-03, 1.6265e-08, 1.0420e-03],  
 [3.8731e+01, 3.0670e-01, 1.0246e+00],  
 [2.1457e-01, 1.5163e-05, 2.9602e-02],  
 [1.0671e+01, 1.4106e-02, 4.1788e-01],  
 [1.6735e+01, 4.0291e-02, 5.7363e-01],  
 [1.5821e+01, 5.2316e-02, 1.3155e+00],  
 [1.4392e+02, 2.4947e+00, 3.0075e+00],  
 [1.1835e+02, 1.3092e+00, 3.1954e+00],  
 [9.1475e+00, 8.6435e-03, 4.8901e-01],  
 [1.9228e+01, 9.8315e-02, 6.8066e-01],  
 [4.1623e+00, 1.1583e-02, 4.6031e-01],  
 [1.4355e+01, 1.2147e-02, 9.4998e-01],  
 [1.0528e+00, 8.9759e-05, 8.2894e-02],  
 [1.2957e+01, 6.4743e-04, 4.2470e-01],  
 [2.2391e+00, 9.6220e-04, 1.3260e-01],  
 [2.7480e+00, 1.1207e-03, 2.4083e-01],  
 [3.1666e-02, 2.5568e-07, 4.4782e-03],  
 [7.0072e-01, 1.6511e-04, 8.4170e-02],  
 [6.0969e+01, 7.5706e-01, 2.5132e+00],  
 [1.0536e+02, 7.0106e-01, 2.9519e+00],  
 [8.6602e+00, 1.0443e-02, 3.6553e-01],  
 [3.3811e+01, 2.1500e-02, 1.7969e+00],  
 [4.7892e+01, 1.3531e-01, 1.6646e+00],  
 [2.0198e-01, 2.8904e-05, 2.0681e-02],  
 [3.4327e-01, 7.8341e-05, 3.3740e-02],  
 [1.0447e+01, 9.5042e-03, 4.6792e-01],  
 [4.5453e+01, 7.2364e-01, 2.1196e+00],  
 [1.0826e+02, 3.7793e+00, 3.1508e+00],  
 [6.7129e+01, 4.4104e-01, 1.5438e+00],  
 [1.5140e+02, 4.7375e+00, 4.0937e+00],  
 [6.7378e+01, 7.1361e-01, 1.8944e+00],  
 [5.7849e+01, 6.5089e-01, 2.1469e+00],  
 [6.3727e-01, 1.7367e-04, 7.3325e-02],  
 [1.5185e+02, 3.7909e+00, 3.9041e+00],  
 [7.0224e+00, 3.4078e-03, 6.9831e-01],  
 [4.6011e+00, 1.6112e-03, 2.7721e-01],  
 [2.1282e+00, 1.2678e-03, 2.9841e-01],  
 [4.1679e+01, 5.1702e-01, 2.7245e+00],  
 [2.6535e+00, 1.3729e-03, 1.4662e-01],  
 [1.7016e+01, 3.5577e-02, 7.7909e-01],  
 [1.0607e-01, 3.8972e-06, 1.2471e-02],  
 [3.0835e+01, 3.0834e-01, 2.1389e+00],  
 [6.6829e-01, 6.2183e-05, 8.3117e-02],  
 [1.0750e+01, 7.8680e-03, 3.5114e-01],  
 [4.2349e-01, 5.2597e-05, 5.4613e-02],  
 [8.4865e+01, 2.2682e+00, 2.3651e+00],  
 [8.0960e+00, 2.0692e-02, 9.0983e-01],  
 [6.6442e-02, 2.3333e-06, 8.4715e-03],

[2.0117e+02, 3.0263e+00, 4.7069e+00],  
[6.6810e-02, 9.5114e-08, 8.3680e-03],  
[1.2471e+01, 2.7944e-02, 7.5944e-01],  
[1.9798e+00, 1.0008e-03, 2.2442e-01],  
[1.6209e+00, 5.4841e-04, 1.3152e-01],  
[2.7303e-01, 1.2620e-05, 3.6921e-02],  
[1.9056e-01, 6.9665e-06, 2.4587e-02],  
[3.2587e+01, 3.8138e-01, 1.3710e+00],  
[4.2052e+01, 8.8032e-02, 2.6049e+00],  
[2.2197e+00, 4.1904e-04, 1.2774e-01],  
[1.6939e-03, 1.5962e-09, 2.7282e-04],  
[6.1450e-01, 1.8657e-04, 5.3326e-02],  
[3.5387e+01, 1.8235e-01, 2.3739e+00],  
[2.9335e+01, 1.0437e-01, 2.2140e+00],  
[2.6586e-01, 2.0148e-06, 2.4966e-02],  
[4.1599e+01, 3.0452e-01, 1.7795e+00],  
[2.8422e+00, 1.2498e-03, 1.8204e-01],  
[2.7958e-01, 3.0375e-05, 2.5804e-02],  
[3.6924e+00, 2.6147e-03, 1.9143e-01],  
[4.7251e+00, 2.9676e-03, 3.0376e-01],  
[1.3284e+02, 2.9596e+00, 2.7311e+00],  
[6.5357e+01, 2.6384e-01, 1.8801e+00],  
[1.0674e+00, 3.0077e-04, 1.0776e-01],  
[1.5972e+02, 1.7853e+00, 4.4356e+00],  
[1.1652e+01, 2.1453e-02, 1.2009e+00],  
[1.0069e+01, 4.1061e-03, 7.7481e-01],  
[5.0560e+01, 1.7989e-01, 1.0855e+00],  
[1.9355e-01, 7.8883e-06, 2.1469e-02],  
[6.8036e-01, 3.8859e-05, 4.5916e-02],  
[4.4646e+00, 9.6048e-03, 3.0202e-01],  
[1.5121e+02, 1.3098e+00, 3.4729e+00],  
[6.7396e+01, 1.2893e+00, 2.7370e+00],  
[9.4570e+00, 1.3650e-02, 4.6919e-01],  
[1.4772e+02, 5.0544e+00, 3.4771e+00],  
[1.7805e+01, 6.7774e-02, 1.4837e+00],  
[3.0062e+00, 1.7328e-03, 2.1531e-01],  
[1.9797e+01, 1.8743e-02, 1.3819e+00],  
[3.1194e+01, 6.9089e-02, 1.4469e+00],  
[5.6662e+00, 1.9471e-02, 6.8014e-01],  
[1.1722e+02, 1.2703e+00, 3.8358e+00],  
[1.7530e+01, 9.6571e-03, 8.8198e-01],  
[7.2176e-01, 1.6355e-04, 5.6364e-02],  
[3.2759e-01, 5.8020e-05, 3.3147e-02],  
[9.8601e+01, 9.6139e-01, 2.7097e+00],  
[1.8415e-01, 1.4356e-05, 2.6252e-02],  
[9.0785e+00, 1.0892e-03, 4.9237e-01],  
[2.6701e+01, 2.4975e-02, 9.1591e-01],  
[9.4959e-02, 1.0926e-05, 1.3032e-02],

```

[2.9381e+00, 4.6239e-04, 2.5670e-01],
[1.6706e+01, 3.4124e-03, 6.7761e-01],
[2.6275e-03, 4.5305e-09, 4.1500e-04],
[1.1716e+01, 2.5050e-02, 1.0930e+00],
[5.5796e+00, 5.5249e-03, 3.0122e-01],
[6.4715e-01, 4.3534e-05, 4.4503e-02],
[4.0566e-01, 1.3056e-04, 5.6972e-02],
[1.9553e+01, 4.4522e-02, 6.9114e-01],
[1.7215e+01, 1.1754e-02, 9.1482e-01],
[1.7967e+02, 1.9550e-01, 3.2845e+00],
[1.1499e+02, 2.0424e+00, 3.2926e+00],
[3.9899e-02, 3.1532e-07, 5.3636e-03],
[3.3074e+01, 2.8646e-01, 1.1810e+00],
[3.0471e+01, 6.1182e-02, 1.0162e+00],
[1.2121e+01, 2.6919e-02, 8.7254e-01],
[8.2321e+01, 5.2399e-01, 3.0211e+00],
[2.7351e+02, 7.2920e+00, 4.9144e+00],
[1.1019e-03, 3.4076e-10, 1.7830e-04],
[2.3243e+00, 1.8238e-03, 2.0947e-01],
[1.8868e+01, 9.7114e-02, 8.4368e-01],
[1.1854e+02, 1.7163e+00, 2.5901e+00],
[2.2062e+00, 1.4060e-04, 1.5395e-01],
[1.4151e+01, 6.9116e-02, 8.0443e-01],
[8.3168e+00, 3.6334e-03, 3.3690e-01],
[2.2641e-01, 1.8061e-05, 2.2985e-02],
[1.2062e+02, 4.0099e-01, 2.6388e+00],
[7.9395e-02, 5.5287e-06, 1.0143e-02],
[1.0777e+02, 2.4617e+00, 2.5357e+00],
[9.3332e-01, 4.7561e-04, 1.1826e-01],
[1.6674e+02, 8.3426e-01, 4.6057e+00],
[5.6382e-02, 6.0838e-07, 7.4564e-03],
[1.4642e-01, 1.2256e-05, 1.9979e-02],
[2.1987e+00, 7.5033e-04, 2.9159e-01],
[1.1928e+02, 1.4112e+00, 2.3723e+00],
[8.2507e+01, 5.6246e-01, 2.5929e+00],
[1.6338e+02, 2.1153e+00, 3.0234e+00]], dtype=torch.float64)
Iteration: 29
Inputs: tensor([[2.9620e+20, 8.0876e+01, 8.4900e+00, 8.7876e+00],
[1.4430e+18, 2.6437e+02, 4.9835e+00, 5.6003e+00],
[1.5150e+20, 1.9061e+02, 5.0268e+00, 3.1610e+00],
...,
[9.6566e+18, 1.5486e+02, 5.9726e+00, 2.0087e+00],
[1.0559e+19, 4.2824e+02, 9.4416e+00, 7.8169e+00],
[1.4109e+18, 9.5430e+01, 9.6697e+00, 2.4639e+00]]), dtype=torch.float64)
Target: tensor([[3.3983e+01, 3.5564e-01, 1.9373e+00],
[2.4580e-01, 9.9660e-06, 2.4412e-02],
[3.6164e+01, 5.4833e-02, 1.5648e+00],
[1.4449e+01, 7.9820e-02, 1.1386e+00],

```

[4.8221e-01, 1.7385e-05, 3.9880e-02],  
 [6.6332e-01, 2.1071e-04, 5.8625e-02],  
 [5.7529e-01, 7.7167e-06, 5.2923e-02],  
 [7.0952e+00, 1.4790e-03, 4.2558e-01],  
 [1.4474e+00, 2.1136e-04, 1.4293e-01],  
 [1.9064e+01, 1.2801e-02, 5.5913e-01],  
 [1.5724e+01, 9.9113e-03, 9.8371e-01],  
 [4.6362e+01, 2.0411e-01, 1.0165e+00],  
 [2.5066e+01, 7.3016e-03, 8.5937e-01],  
 [2.7864e+00, 3.9591e-03, 3.2349e-01],  
 [2.5966e+01, 2.4481e-01, 1.0236e+00],  
 [1.6533e+01, 6.0461e-02, 7.4004e-01],  
 [1.1251e+02, 3.1602e+00, 2.7529e+00],  
 [2.7935e-01, 6.6485e-06, 3.4656e-02],  
 [5.8542e-02, 1.4746e-06, 7.3673e-03],  
 [1.1458e+01, 8.9274e-03, 5.5784e-01],  
 [6.8842e+00, 2.0992e-02, 4.4348e-01],  
 [6.7669e-04, 8.9351e-10, 1.0999e-04],  
 [2.7173e+01, 9.0724e-02, 1.1860e+00],  
 [1.2666e+00, 4.0038e-04, 1.1507e-01],  
 [8.7520e-02, 3.0088e-06, 1.0705e-02],  
 [9.3627e-02, 1.9177e-06, 1.2034e-02],  
 [7.9127e+01, 2.1776e-01, 2.0156e+00],  
 [1.5023e-03, 2.7792e-09, 2.4204e-04],  
 [4.6920e-01, 6.5067e-05, 5.6814e-02],  
 [6.8430e+01, 3.6887e-01, 1.9854e+00],  
 [3.1717e-01, 6.2047e-05, 3.0191e-02],  
 [9.5126e-02, 7.0556e-06, 1.2366e-02],  
 [2.5652e+01, 7.1524e-02, 9.4211e-01],  
 [5.2934e-01, 2.1415e-05, 4.8061e-02],  
 [9.4839e-01, 1.7640e-04, 7.9926e-02],  
 [1.3107e+00, 1.4108e-04, 1.5843e-01],  
 [1.1212e-02, 2.2831e-08, 1.7650e-03],  
 [2.4770e-01, 2.8385e-06, 2.4587e-02],  
 [2.1865e+00, 1.4484e-03, 2.2746e-01],  
 [2.8366e+00, 8.5458e-04, 2.0292e-01],  
 [5.1040e+00, 2.4923e-03, 2.8072e-01],  
 [1.1156e-01, 2.2995e-05, 1.6243e-02],  
 [5.9463e-01, 3.0855e-05, 5.0746e-02],  
 [8.4641e-01, 1.4941e-04, 1.1737e-01],  
 [3.3288e+01, 1.2704e-01, 1.0734e+00],  
 [7.4703e+01, 1.3779e+00, 1.8883e+00],  
 [7.3053e+01, 1.1305e+00, 3.3622e+00],  
 [2.6909e-02, 1.2617e-07, 4.2149e-03],  
 [8.6471e-01, 1.3903e-04, 7.3650e-02],  
 [2.4170e+00, 6.7006e-04, 1.8745e-01],  
 [2.9696e+01, 8.3439e-02, 1.1205e+00],  
 [8.1514e+00, 1.1759e-02, 6.2666e-01],

[2.4998e+00, 9.7216e-04, 1.7923e-01],  
 [4.6524e+01, 5.0581e-01, 2.5639e+00],  
 [4.1888e-02, 2.6827e-07, 5.9049e-03],  
 [5.0169e+01, 2.3178e-01, 2.3915e+00],  
 [1.2548e+01, 3.5697e-02, 5.5685e-01],  
 [1.2215e-01, 9.4766e-06, 1.5963e-02],  
 [3.4375e+01, 4.4124e-02, 2.5160e+00],  
 [1.0410e+00, 2.0281e-04, 1.0286e-01],  
 [8.1506e-04, 3.2056e-10, 1.3171e-04],  
 [3.9484e-02, 2.9035e-07, 5.4518e-03],  
 [4.6726e+01, 2.0278e-01, 1.3475e+00],  
 [2.6029e-02, 1.6291e-07, 3.8388e-03],  
 [2.8438e+01, 1.0846e-01, 1.1983e+00],  
 [7.2926e+00, 4.7422e-03, 3.0735e-01],  
 [2.5851e-01, 2.8496e-06, 2.5035e-02],  
 [4.0411e+01, 6.4909e-01, 1.9564e+00],  
 [5.5711e-01, 7.1935e-05, 4.2109e-02],  
 [1.1453e+02, 9.9046e-01, 4.4251e+00],  
 [1.8520e+02, 3.0229e-01, 3.0822e+00],  
 [1.4836e+02, 3.8987e+00, 2.8390e+00],  
 [1.1252e+02, 1.0103e-01, 2.6552e+00],  
 [3.6529e+01, 2.2046e-01, 1.1889e+00],  
 [9.2299e+01, 7.1736e-01, 2.1543e+00],  
 [1.0808e+00, 4.5681e-05, 1.0901e-01],  
 [4.9685e+01, 7.9396e-01, 1.6519e+00],  
 [3.2636e+01, 2.2156e-01, 1.0383e+00],  
 [8.8238e-01, 5.4578e-05, 8.5232e-02],  
 [8.6333e+00, 1.4742e-02, 4.2118e-01],  
 [1.3478e+02, 1.6151e+00, 4.3889e+00],  
 [4.3217e+01, 1.5177e-01, 2.4226e+00],  
 [1.0660e-01, 6.2395e-06, 1.2309e-02],  
 [2.3607e+00, 3.5006e-03, 2.5720e-01],  
 [4.1259e+01, 1.0377e-02, 1.3724e+00],  
 [1.1213e+01, 5.1970e-03, 7.1366e-01],  
 [3.4902e-01, 6.8167e-05, 3.6938e-02],  
 [2.0177e+00, 4.6713e-04, 1.5905e-01],  
 [1.1204e+01, 1.0432e-02, 7.3717e-01],  
 [3.3629e+01, 2.3963e-01, 1.7090e+00],  
 [1.3992e+01, 3.6552e-03, 1.0075e+00],  
 [2.0110e+01, 1.0870e-02, 1.0746e+00],  
 [3.5630e-01, 3.0622e-05, 3.9837e-02],  
 [2.9471e+00, 2.5224e-03, 2.4168e-01],  
 [4.1329e+00, 3.2494e-03, 5.1038e-01],  
 [2.5198e+00, 1.6065e-03, 2.0945e-01],  
 [4.8581e+00, 1.4927e-03, 3.1510e-01],  
 [5.5032e+00, 1.4925e-03, 2.7339e-01],  
 [4.9725e+00, 1.2085e-02, 3.6708e-01],  
 [4.2304e+00, 1.9726e-03, 2.0419e-01],



[5.2947e+00, 6.9129e-03, 3.0669e-01],  
 [3.0476e+00, 3.3119e-03, 2.0892e-01],  
 [6.7079e-01, 5.5747e-05, 5.5495e-02],  
 [5.8082e-01, 8.7170e-05, 5.1891e-02],  
 [1.7860e+00, 2.8365e-04, 1.5596e-01],  
 [4.1197e+01, 4.7231e-01, 1.1526e+00],  
 [1.5383e+02, 6.7464e+00, 4.2210e+00],  
 [3.3443e+01, 1.6786e-01, 1.0884e+00],  
 [4.2496e+00, 2.5446e-03, 1.9543e-01],  
 [3.0626e-01, 7.2305e-05, 3.3551e-02],  
 [1.6205e-02, 5.4288e-08, 2.3742e-03],  
 [3.0103e+01, 1.7852e-01, 1.0359e+00],  
 [4.3076e-01, 2.7728e-05, 5.0535e-02],  
 [6.0186e-01, 1.7454e-05, 6.9594e-02],  
 [1.9865e+01, 3.7543e-03, 6.7056e-01],  
 [1.1026e+02, 7.3171e-02, 3.5362e+00],  
 [2.2757e+00, 1.9298e-04, 1.2578e-01],  
 [1.7407e+01, 1.3336e-02, 8.8115e-01],  
 [1.6996e+02, 1.5397e+00, 4.1286e+00],  
 [7.4163e-01, 8.5615e-05, 8.9625e-02],  
 [3.4396e+01, 2.5820e-01, 1.1492e+00],  
 [9.4381e-01, 1.3064e-04, 7.3635e-02],  
 [8.7567e+00, 6.2427e-03, 6.3956e-01],  
 [1.4143e-01, 1.0449e-06, 1.5710e-02],  
 [4.0494e+00, 1.4391e-02, 3.6928e-01],  
 [3.4564e+01, 2.3897e-01, 1.4362e+00],  
 [2.7797e+00, 4.0503e-04, 1.7966e-01],  
 [5.6286e+00, 6.3936e-03, 5.0147e-01],  
 [7.8024e+00, 1.9059e-02, 3.5275e-01],  
 [2.2842e+01, 1.0579e-01, 1.2759e+00],  
 [1.2706e+01, 1.4149e-02, 9.9864e-01],  
 [4.7499e+00, 1.0713e-02, 2.9770e-01],  
 [9.9659e+01, 9.7516e-01, 3.0550e+00],  
 [2.3873e-01, 3.9274e-05, 3.2526e-02],  
 [2.7899e+00, 1.0466e-03, 1.4606e-01],  
 [2.5707e+01, 1.0107e-01, 9.8087e-01],  
 [8.8009e-01, 1.6937e-04, 1.0352e-01],  
 [4.7422e+01, 1.1972e-01, 1.0499e+00],  
 [1.2174e+02, 3.7674e+00, 3.6615e+00],  
 [1.2483e+02, 5.2609e-01, 3.3992e+00],  
 [4.4447e-02, 8.4665e-07, 6.6209e-03],  
 [1.5089e+01, 1.0366e-02, 5.4885e-01],  
 [6.7937e-02, 2.4800e-06, 8.4405e-03],  
 [5.4666e-02, 1.6008e-06, 7.0035e-03],  
 [1.2698e+00, 5.3032e-05, 1.4414e-01],  
 [3.1897e+00, 4.9267e-04, 3.0778e-01],  
 [2.1295e+02, 3.6093e+00, 4.6707e+00],  
 [5.8757e-02, 1.6418e-06, 8.3910e-03],

[1.9490e+01, 3.8381e-02, 7.8290e-01],  
 [2.3971e+01, 1.8207e-02, 1.6661e+00],  
 [1.7359e+01, 2.7341e-02, 7.2936e-01],  
 [1.4010e+00, 6.6979e-04, 1.3034e-01],  
 [2.0382e+00, 2.4512e-04, 1.1965e-01],  
 [1.7222e+01, 6.9100e-02, 7.9924e-01],  
 [3.8139e+01, 2.5908e-01, 1.5288e+00],  
 [5.1957e+00, 1.5149e-03, 2.8475e-01],  
 [6.1500e+01, 2.3159e-01, 2.2490e+00],  
 [2.7510e+01, 6.3051e-02, 9.1485e-01],  
 [7.2407e+01, 1.0948e+00, 2.1380e+00],  
 [5.0276e+01, 2.8573e-01, 1.5610e+00],  
 [4.9660e+01, 1.9169e-01, 1.5360e+00],  
 [4.9063e-01, 4.5651e-05, 6.4951e-02],  
 [4.5120e-01, 1.8501e-05, 5.8871e-02],  
 [1.5687e+02, 6.4742e+00, 3.9950e+00],  
 [1.1281e-02, 1.9046e-08, 1.7040e-03],  
 [1.4334e+02, 1.9183e+00, 3.3763e+00],  
 [1.7553e+01, 6.2265e-02, 8.2900e-01],  
 [1.2688e+02, 1.8671e+00, 3.8363e+00],  
 [3.2847e-01, 7.3631e-05, 3.6971e-02],  
 [1.4330e+01, 2.9549e-02, 4.5495e-01],  
 [5.3372e+01, 3.0589e-01, 1.5275e+00],  
 [1.1158e+00, 7.4420e-04, 1.1760e-01],  
 [1.5826e+02, 1.4094e+00, 3.2617e+00],  
 [1.6250e+02, 6.7211e+00, 4.2431e+00],  
 [8.8071e+01, 7.8539e-02, 3.1214e+00],  
 [3.1369e+01, 1.1334e-01, 8.2726e-01],  
 [7.9814e+01, 1.6402e+00, 2.0845e+00],  
 [1.8384e+01, 1.3781e-02, 1.3985e+00],  
 [2.3090e-01, 1.0408e-05, 2.3540e-02],  
 [2.3981e-01, 1.4669e-06, 2.7286e-02],  
 [1.4233e+02, 4.2624e-01, 3.7716e+00],  
 [7.9435e+00, 1.0598e-02, 3.9391e-01],  
 [4.3640e-02, 2.0404e-06, 5.8262e-03],  
 [7.9371e+01, 5.4209e-01, 2.7163e+00],  
 [1.3863e+01, 3.1720e-02, 4.4535e-01],  
 [1.7492e-01, 8.0102e-06, 1.8560e-02],  
 [5.9421e+00, 3.4462e-03, 3.5475e-01],  
 [1.4092e-01, 1.8384e-05, 1.6094e-02],  
 [1.2161e+02, 1.5694e+00, 2.4995e+00],  
 [1.2807e+02, 3.3190e+00, 4.4951e+00],  
 [1.3517e+00, 4.5098e-04, 1.3372e-01],  
 [7.0861e+00, 4.0999e-03, 5.7376e-01],  
 [3.4154e+01, 9.1148e-02, 1.1923e+00],  
 [4.4279e+01, 4.4484e-01, 1.3645e+00],  
 [5.6580e-01, 1.9394e-05, 5.7737e-02],  
 [1.2467e+00, 3.7459e-04, 1.4780e-01],

[1.8034e+00, 5.4199e-04, 1.7889e-01],  
 [4.2691e-01, 7.6938e-05, 3.7102e-02],  
 [6.4884e+01, 2.9457e-01, 2.0538e+00],  
 [7.7209e-01, 1.7992e-05, 8.7132e-02],  
 [3.0948e+01, 9.4862e-02, 1.9113e+00],  
 [1.9138e+01, 1.5064e-01, 1.2831e+00],  
 [9.6260e-01, 3.8251e-04, 7.7308e-02],  
 [2.9215e-02, 6.0676e-07, 4.3761e-03],  
 [1.4970e-01, 1.6905e-05, 2.0693e-02],  
 [6.4199e+01, 4.5022e-01, 2.0850e+00],  
 [2.3235e+01, 5.9765e-02, 7.4049e-01],  
 [1.8318e+00, 1.2718e-04, 1.5090e-01],  
 [3.8148e-01, 7.3845e-06, 3.2594e-02],  
 [3.7357e+00, 2.6420e-04, 3.0921e-01],  
 [4.4453e+00, 9.8080e-03, 3.5034e-01],  
 [1.0768e+02, 2.4094e+00, 3.2101e+00],  
 [1.6187e+02, 3.5435e+00, 4.1193e+00],  
 [2.9190e+00, 2.8556e-03, 3.3210e-01],  
 [2.0347e+01, 3.2760e-02, 1.4591e+00],  
 [3.1901e+00, 9.9823e-03, 3.3809e-01],  
 [1.7427e-01, 1.3543e-05, 2.1466e-02],  
 [3.3043e+00, 3.2952e-03, 2.1079e-01],  
 [6.8450e-02, 1.6525e-06, 8.5125e-03],  
 [2.9055e-01, 1.3854e-05, 2.9892e-02],  
 [7.2464e+01, 2.9484e-01, 2.1338e+00],  
 [2.6567e-01, 1.4991e-05, 2.7555e-02],  
 [2.3383e+01, 4.4119e-02, 9.4616e-01],  
 [2.0551e-02, 2.4816e-07, 3.0906e-03],  
 [3.0073e+01, 1.7059e-01, 1.1142e+00],  
 [2.0256e-01, 5.7004e-06, 2.8078e-02],  
 [2.3711e+01, 6.1552e-02, 7.8391e-01],  
 [1.9014e-01, 1.9082e-05, 2.2256e-02],  
 [2.5677e-04, 2.7792e-11, 4.2147e-05],  
 [1.4851e+00, 4.3073e-04, 1.1840e-01],  
 [1.8021e-01, 3.2674e-06, 2.3399e-02],  
 [3.9037e+00, 4.5930e-03, 2.9052e-01],  
 [5.2577e-01, 8.2340e-05, 4.5331e-02],  
 [2.3145e+01, 7.0238e-02, 7.9134e-01],  
 [8.2887e+01, 1.3210e-01, 1.5248e+00],  
 [1.6681e+02, 2.1105e+00, 3.7100e+00],  
 [9.7375e+01, 1.4185e+00, 2.5146e+00],  
 [4.1099e+01, 5.7169e-02, 1.1285e+00],  
 [1.3266e+02, 4.5860e-01, 3.8619e+00],  
 [1.1551e+01, 4.0738e-03, 4.1530e-01],  
 [2.8445e+01, 1.3287e-01, 1.5360e+00],  
 [6.3524e-01, 1.3323e-04, 5.2240e-02],  
 [1.8938e+01, 1.8666e-03, 1.1604e+00],  
 [8.5233e+01, 1.4760e+00, 2.2882e+00],

[5.8976e-01, 1.0345e-04, 4.9154e-02],  
 [1.0059e+01, 9.6274e-03, 3.9661e-01],  
 [3.3230e+00, 1.7046e-03, 1.6429e-01],  
 [3.8675e+00, 1.1700e-03, 4.9125e-01],  
 [1.1288e+00, 7.4194e-04, 1.3383e-01],  
 [5.1576e+01, 2.7798e-01, 1.4360e+00],  
 [3.0645e+00, 2.0459e-04, 1.6600e-01],  
 [1.4936e+01, 4.8218e-02, 8.4269e-01],  
 [2.5373e-01, 1.0438e-05, 3.3388e-02],  
 [4.6294e+00, 1.3053e-03, 4.1181e-01],  
 [4.4544e-01, 8.7745e-05, 3.8685e-02],  
 [1.0154e+01, 1.0106e-02, 8.5625e-01],  
 [3.2021e+00, 2.9131e-04, 1.5807e-01],  
 [2.8530e-02, 7.6166e-08, 4.4349e-03],  
 [2.8053e-01, 4.7084e-05, 3.2401e-02],  
 [4.3168e-01, 6.4287e-05, 4.7422e-02],  
 [1.5402e-03, 1.0370e-09, 2.4642e-04],  
 [4.2150e+01, 2.9630e-02, 2.7802e+00],  
 [9.3389e+00, 7.9403e-03, 4.1665e-01],  
 [5.9738e-01, 3.5795e-05, 4.6034e-02],  
 [3.4235e+00, 1.1686e-03, 2.5100e-01],  
 [3.6296e-01, 1.2912e-05, 4.7121e-02],  
 [9.2133e-01, 3.4369e-04, 1.0910e-01],  
 [9.7573e-03, 1.5952e-07, 1.5332e-03],  
 [5.3244e-01, 1.6113e-04, 5.2275e-02],  
 [4.1029e+00, 6.0878e-03, 3.0925e-01],  
 [5.8133e+00, 1.3786e-02, 5.3519e-01],  
 [7.7558e+01, 9.7740e-01, 2.3515e+00],  
 [8.5724e-03, 3.0698e-09, 1.3074e-03],  
 [4.2744e-01, 3.2933e-05, 3.4079e-02],  
 [5.7781e+01, 1.0261e+00, 1.9207e+00],  
 [7.6891e+00, 1.5988e-02, 3.8294e-01],  
 [9.4237e-01, 2.5775e-04, 7.7781e-02],  
 [1.2289e+01, 3.4166e-02, 7.9055e-01],  
 [1.2939e-01, 4.9357e-06, 1.4986e-02],  
 [2.9964e+00, 2.5591e-05, 1.6417e-01],  
 [1.2112e+01, 1.9793e-02, 3.9842e-01],  
 [1.4624e+02, 5.8459e+00, 4.2683e+00],  
 [6.0873e-02, 8.6549e-07, 8.8559e-03],  
 [3.3176e-01, 6.2543e-05, 3.3084e-02],  
 [2.0249e-02, 4.4718e-07, 3.0630e-03],  
 [6.8515e+01, 6.6378e-01, 1.7729e+00],  
 [1.0466e+00, 1.8206e-04, 7.4161e-02],  
 [6.1967e+00, 6.7256e-03, 3.9397e-01],  
 [4.8571e+01, 3.1357e-01, 1.6468e+00],  
 [3.9647e+01, 7.4470e-03, 1.2062e+00],  
 [8.6686e-01, 1.3547e-04, 6.4923e-02],  
 [7.6545e+01, 1.2700e+00, 3.0999e+00],

```

[4.2926e+00, 2.0855e-03, 1.8032e-01],
[4.3168e-02, 1.1827e-06, 5.7751e-03],
[2.6692e+01, 8.6154e-02, 1.1177e+00],
[2.2192e+01, 4.6656e-02, 1.1865e+00],
[1.4651e+01, 2.6667e-02, 7.3659e-01],
[3.8618e+00, 2.0914e-03, 3.4756e-01],
[1.3220e+00, 5.5292e-04, 1.4305e-01],
[2.1368e+00, 8.7639e-04, 1.2842e-01],
[1.9173e+01, 3.4763e-02, 9.9450e-01],
[4.7945e+00, 9.5116e-03, 2.7191e-01],
[6.2995e+01, 5.0643e-01, 1.5471e+00],
[1.6445e+02, 2.2287e+00, 2.8265e+00],
[2.1341e+00, 4.2168e-03, 2.4902e-01],
[1.7840e+01, 1.3069e-01, 1.1204e+00],
[3.0285e-01, 2.2426e-05, 2.5803e-02],
[3.9748e-01, 6.2518e-05, 4.4374e-02],
[4.5305e+00, 2.0115e-03, 2.7632e-01],
[3.9917e+01, 1.1980e-01, 1.0034e+00],
[2.3867e-02, 3.6249e-07, 3.4289e-03],
[1.9576e+02, 5.8364e+00, 3.5774e+00],
[1.5778e+00, 5.0906e-04, 1.4185e-01],
[4.1094e+00, 1.9500e-03, 2.0107e-01],
[1.3042e+02, 2.7318e-01, 2.4913e+00],
[1.4697e-01, 1.5214e-06, 1.8032e-02],
[2.9710e-01, 9.2983e-06, 3.8393e-02],
[6.1108e-01, 2.4301e-05, 7.0334e-02],
[5.9533e+00, 6.2509e-03, 2.8609e-01],
[6.1513e-03, 7.9178e-09, 9.5193e-04]], dtype=torch.float64)
Iteration: 30
Inputs: tensor([[1.1537e+20, 1.3410e+02, 1.7836e+01, 9.1016e+00],
               [8.2779e+19, 2.0415e+02, 6.3792e+00, 6.3409e+00],
               [2.6994e+20, 4.6188e+02, 7.8898e+00, 2.4189e+00],
               ...,
               [3.6051e+20, 2.2509e+02, 1.3214e+01, 5.3034e+00],
               [2.2336e+20, 2.1100e+01, 1.9850e+01, 6.9458e+00],
               [1.8849e+18, 2.8678e+02, 1.9419e+01, 7.2065e+00]]), dtype=torch.float64)
Target: tensor([[1.8030e+01, 1.7959e-01, 1.0946e+00],
               [3.0114e+01, 1.1413e-01, 1.1602e+00],
               [7.6277e+01, 1.8175e-01, 2.3855e+00],
               [4.0367e+00, 1.9204e-03, 2.2068e-01],
               [8.5441e+01, 1.0368e+00, 2.7235e+00],
               [2.0994e+00, 2.0667e-04, 2.1919e-01],
               [3.9846e-01, 1.7798e-05, 3.4450e-02],
               [1.6687e+02, 3.6648e+00, 3.8038e+00],
               [2.7761e+01, 4.6075e-02, 1.1106e+00],
               [6.9816e+00, 1.3086e-02, 4.5843e-01],
               [5.4118e+00, 2.6037e-03, 4.7309e-01],
               [5.5480e+01, 7.8246e-01, 1.6291e+00],

```

[2.5877e-02, 4.1140e-07, 3.6048e-03],  
 [7.5863e+01, 5.3487e-01, 3.6927e+00],  
 [6.2924e-01, 1.1380e-04, 6.0851e-02],  
 [1.5307e+01, 1.4052e-02, 8.7535e-01],  
 [6.1967e+01, 4.0320e-01, 2.3655e+00],  
 [8.2357e-03, 5.1792e-09, 1.2551e-03],  
 [2.6276e-02, 6.1905e-07, 4.0207e-03],  
 [6.8854e+01, 2.7248e-01, 1.3926e+00],  
 [1.4650e-03, 6.7254e-10, 2.3585e-04],  
 [3.6476e+01, 1.5933e-01, 2.5870e+00],  
 [7.3393e+01, 1.7937e+00, 2.4857e+00],  
 [1.9552e+00, 3.9097e-04, 1.5357e-01],  
 [2.1893e-01, 1.1861e-05, 3.3178e-02],  
 [5.2128e+00, 6.8762e-03, 4.7765e-01],  
 [2.9129e+00, 4.4893e-04, 2.6395e-01],  
 [6.5512e+01, 7.1425e-01, 1.3331e+00],  
 [7.7735e+01, 1.3981e+00, 2.4619e+00],  
 [3.0690e-01, 1.2884e-05, 3.8789e-02],  
 [1.7682e+01, 1.8081e-02, 7.5534e-01],  
 [2.1367e+01, 3.0229e-02, 7.0641e-01],  
 [1.0061e-01, 7.5959e-06, 1.2305e-02],  
 [8.8253e+00, 8.8970e-04, 3.7525e-01],  
 [2.3590e-01, 7.8802e-06, 3.1650e-02],  
 [9.4022e-01, 3.6704e-04, 8.9206e-02],  
 [3.5325e-01, 6.9273e-05, 4.0925e-02],  
 [3.6097e-01, 2.9236e-05, 4.8053e-02],  
 [4.2409e-02, 1.3197e-06, 6.1707e-03],  
 [1.4727e+01, 9.8742e-02, 9.0439e-01],  
 [4.0044e-02, 1.0698e-07, 5.5899e-03],  
 [2.3702e-01, 1.0695e-05, 3.5399e-02],  
 [2.8548e+01, 4.5852e-02, 2.3989e+00],  
 [1.2558e+02, 9.5973e-01, 3.6293e+00],  
 [1.0152e-02, 2.7807e-08, 1.5183e-03],  
 [5.8196e+01, 1.7929e-01, 1.5766e+00],  
 [2.0057e+02, 1.3440e+00, 3.4216e+00],  
 [1.5722e+01, 6.6481e-02, 9.5176e-01],  
 [7.5490e+00, 1.6018e-02, 6.1971e-01],  
 [1.2826e-01, 7.6461e-07, 1.7489e-02],  
 [4.5355e-02, 1.2488e-06, 6.1270e-03],  
 [7.5324e-01, 2.7361e-05, 4.8597e-02],  
 [1.7288e-02, 1.6656e-07, 2.4897e-03],  
 [7.5236e-01, 2.5724e-05, 5.5617e-02],  
 [1.9045e+02, 6.0945e+00, 4.0743e+00],  
 [3.0082e+01, 1.4786e-01, 1.4971e+00],  
 [8.7636e+01, 1.1126e+00, 3.0864e+00],  
 [1.3413e-01, 2.2831e-05, 1.8345e-02],  
 [2.6335e+00, 2.3355e-03, 1.8928e-01],  
 [3.1852e+00, 1.0964e-03, 3.1099e-01],

[8.7761e+01, 1.1229e+00, 2.2047e+00],  
 [1.1221e-01, 1.8201e-06, 1.5550e-02],  
 [5.7625e+01, 5.7292e-01, 1.3390e+00],  
 [6.2044e-01, 6.3042e-05, 7.5129e-02],  
 [8.5647e+00, 1.2928e-02, 3.4348e-01],  
 [1.2777e+01, 2.6104e-02, 9.5906e-01],  
 [1.2693e+02, 6.0045e-01, 4.3338e+00],  
 [2.3513e+01, 7.2718e-02, 1.2995e+00],  
 [1.6129e-01, 2.1888e-05, 1.9682e-02],  
 [2.4807e+00, 3.3104e-03, 2.0651e-01],  
 [1.0083e+02, 9.7596e-01, 2.7151e+00],  
 [4.0537e+01, 1.4550e-01, 1.2909e+00],  
 [2.2901e+01, 1.4290e-01, 1.1532e+00],  
 [1.3992e+00, 4.7353e-04, 9.8898e-02],  
 [7.3998e+01, 2.7431e-01, 3.0810e+00],  
 [9.6074e+00, 6.8645e-03, 3.9797e-01],  
 [1.6929e+01, 1.4631e-02, 1.2334e+00],  
 [8.0633e-01, 2.8079e-04, 6.8511e-02],  
 [1.8193e+01, 1.7756e-02, 7.7744e-01],  
 [3.0817e-01, 5.9699e-05, 2.8765e-02],  
 [2.2248e-01, 3.9838e-05, 2.5737e-02],  
 [3.6248e-02, 3.8591e-07, 5.1530e-03],  
 [2.4812e+00, 7.1499e-04, 2.6758e-01],  
 [2.5204e-01, 9.7012e-07, 2.4737e-02],  
 [5.1314e+01, 1.5598e-01, 2.8922e+00],  
 [2.5068e+01, 6.0017e-02, 1.8249e+00],  
 [3.0717e+01, 1.1918e-01, 2.2403e+00],  
 [1.6333e+02, 4.8094e+00, 3.3183e+00],  
 [7.3961e-01, 5.6349e-05, 6.4785e-02],  
 [2.5125e-01, 3.6906e-05, 2.2774e-02],  
 [9.8913e+01, 2.6427e+00, 3.1217e+00],  
 [1.5616e+02, 3.0790e+00, 3.6409e+00],  
 [2.8379e+00, 2.7460e-04, 2.2692e-01],  
 [1.0899e-01, 3.0099e-06, 1.4934e-02],  
 [1.1282e+02, 1.0437e+00, 3.2304e+00],  
 [2.4931e+02, 7.4125e+00, 4.5998e+00],  
 [3.5485e+01, 2.6868e-01, 1.0950e+00],  
 [3.1445e+01, 1.9721e-01, 1.7587e+00],  
 [8.9769e+01, 2.0044e+00, 2.5310e+00],  
 [7.6671e-01, 1.3165e-04, 7.5896e-02],  
 [1.9657e+01, 1.7849e-02, 1.8390e+00],  
 [1.2924e+01, 3.7095e-02, 6.8978e-01],  
 [1.9812e-02, 1.7483e-07, 3.0415e-03],  
 [2.2736e-01, 1.4786e-05, 2.2394e-02],  
 [2.2296e+01, 1.5170e-02, 8.4222e-01],  
 [4.0001e+01, 1.7319e-01, 1.3820e+00],  
 [9.5984e+01, 1.8639e+00, 2.7673e+00],  
 [1.9402e+00, 9.9983e-04, 1.5381e-01],

[2.6338e+01, 5.8361e-02, 1.1936e+00],  
 [3.9004e+00, 1.3021e-03, 3.1101e-01],  
 [1.5151e-02, 1.8513e-07, 2.3177e-03],  
 [6.7682e+01, 9.5632e-01, 2.3380e+00],  
 [1.6580e+02, 6.5512e+00, 4.0601e+00],  
 [2.7215e-04, 4.1077e-11, 4.4565e-05],  
 [5.0517e-03, 3.1789e-08, 7.8052e-04],  
 [1.6483e+00, 4.3613e-04, 1.6719e-01],  
 [2.8622e+01, 6.0264e-02, 1.3727e+00],  
 [2.2405e+00, 5.3840e-04, 1.2598e-01],  
 [3.7168e-01, 1.2760e-06, 3.5191e-02],  
 [3.0293e+01, 8.0664e-02, 1.9710e+00],  
 [2.3315e+01, 1.2177e-01, 7.8705e-01],  
 [1.9490e+01, 4.1302e-02, 1.0844e+00],  
 [3.0343e-01, 9.6708e-05, 3.9469e-02],  
 [9.8907e-02, 3.3650e-06, 1.2718e-02],  
 [1.7713e+01, 5.8611e-02, 5.4970e-01],  
 [2.8864e-01, 6.6902e-06, 2.6010e-02],  
 [1.9012e+01, 3.1806e-02, 8.2731e-01],  
 [5.7798e+01, 4.8851e-01, 1.3982e+00],  
 [3.7887e+00, 6.2733e-04, 3.0379e-01],  
 [1.3780e+02, 2.3154e+00, 3.3991e+00],  
 [3.7442e-01, 1.1195e-05, 3.2258e-02],  
 [7.6408e+00, 1.1001e-02, 3.1991e-01],  
 [5.4979e+00, 3.1012e-02, 5.3976e-01],  
 [1.5472e-01, 2.2259e-05, 1.8862e-02],  
 [1.5053e-01, 1.3279e-05, 1.8009e-02],  
 [1.3060e+02, 1.0142e+00, 4.4487e+00],  
 [5.9734e+01, 1.9303e-01, 2.1447e+00],  
 [4.5869e+00, 6.4504e-03, 3.6951e-01],  
 [1.0348e+02, 2.5511e+00, 4.2935e+00],  
 [4.4077e+01, 1.8006e-01, 2.5410e+00],  
 [3.5577e+01, 9.2212e-02, 1.1866e+00],  
 [1.2540e+02, 8.8213e-01, 2.2466e+00],  
 [2.1641e-01, 1.8627e-05, 2.4141e-02],  
 [5.5337e-01, 8.2939e-05, 6.1040e-02],  
 [2.6035e+01, 3.5658e-02, 8.9773e-01],  
 [2.4508e+02, 6.3687e+00, 4.5966e+00],  
 [1.2970e+01, 7.4571e-03, 4.9661e-01],  
 [1.7145e-01, 3.2848e-05, 2.3537e-02],  
 [4.0992e+00, 6.6673e-03, 4.1869e-01],  
 [1.9835e+00, 3.9012e-04, 1.8575e-01],  
 [1.0440e+01, 1.5646e-02, 3.8868e-01],  
 [2.1980e+02, 9.0871e+00, 4.5366e+00],  
 [1.2296e+02, 1.4881e+00, 2.1062e+00],  
 [1.7860e+01, 1.2557e-01, 8.6022e-01],  
 [2.0663e+01, 1.0184e-02, 7.1319e-01],  
 [1.1380e+00, 6.2053e-05, 9.8351e-02],



[1.1374e+02, 2.0250e+00, 2.4543e+00],  
 [2.1297e+01, 2.5551e-02, 7.1410e-01],  
 [2.1113e+01, 1.1881e-01, 1.6501e+00],  
 [3.4833e+00, 1.5239e-03, 3.7898e-01],  
 [3.5938e-01, 1.0184e-04, 4.1325e-02],  
 [5.9926e+01, 1.9681e-01, 1.6843e+00],  
 [2.6588e+01, 1.8923e-02, 1.0619e+00],  
 [8.9313e-01, 1.0233e-04, 7.9073e-02],  
 [7.0535e-02, 8.6804e-07, 1.0164e-02],  
 [3.2519e+01, 3.6186e-01, 1.6665e+00],  
 [1.8279e+01, 1.9603e-02, 1.5259e+00],  
 [3.4626e-02, 7.3094e-08, 4.9057e-03],  
 [5.4753e+01, 1.0128e+00, 2.3251e+00],  
 [1.5824e-02, 1.5445e-07, 2.3749e-03],  
 [3.0133e+00, 2.3936e-03, 2.3292e-01],  
 [1.3402e+02, 2.1524e+00, 4.4526e+00],  
 [1.4660e+01, 6.7155e-02, 7.3960e-01],  
 [2.4324e+01, 8.5720e-02, 1.3837e+00],  
 [1.2577e+01, 1.7664e-02, 4.8700e-01],  
 [4.2346e+01, 1.8234e-01, 1.2842e+00],  
 [1.1530e+02, 3.5672e+00, 2.7807e+00],  
 [9.7147e-01, 4.7060e-05, 6.2539e-02],  
 [8.0272e-02, 6.6829e-06, 1.1311e-02],  
 [1.5792e+01, 1.8934e-02, 7.6058e-01],  
 [1.5999e-01, 1.9563e-05, 1.7240e-02],  
 [2.4204e+01, 9.0305e-02, 1.1832e+00],  
 [4.8570e+00, 1.0868e-03, 3.6245e-01],  
 [8.9498e+00, 4.1145e-02, 6.6805e-01],  
 [3.2135e+01, 1.3291e-01, 9.3940e-01],  
 [1.1049e+01, 2.4935e-02, 9.0575e-01],  
 [9.4739e-02, 5.7660e-06, 1.3761e-02],  
 [6.5575e+00, 8.0886e-03, 2.7525e-01],  
 [1.3136e-01, 2.8439e-06, 1.6946e-02],  
 [6.0792e+01, 1.3596e+00, 2.6748e+00],  
 [1.1662e+02, 2.0715e+00, 2.4483e+00],  
 [2.2473e+00, 4.5851e-04, 1.9575e-01],  
 [1.5580e+00, 6.4564e-04, 1.1590e-01],  
 [4.7954e-03, 8.2388e-09, 7.6358e-04],  
 [7.2213e+01, 1.1349e+00, 1.9810e+00],  
 [6.6175e+01, 4.3951e-01, 2.2021e+00],  
 [9.2559e+00, 6.2603e-03, 3.6419e-01],  
 [1.1624e+02, 1.1756e+00, 1.9464e+00],  
 [4.1177e+00, 2.6629e-03, 2.3506e-01],  
 [1.8168e+01, 2.4229e-02, 1.0181e+00],  
 [7.4029e+01, 3.7663e-01, 1.7762e+00],  
 [1.1371e+02, 2.6591e+00, 3.0968e+00],  
 [1.3397e+00, 4.0092e-04, 9.9717e-02],  
 [9.9295e+00, 4.3539e-02, 6.7510e-01],

[9.6720e-01, 5.2749e-04, 8.4528e-02],  
[9.7428e+01, 1.7512e+00, 3.0286e+00],  
[1.0377e+02, 1.0678e+00, 3.2946e+00],  
[3.9922e+01, 3.0386e-01, 1.5018e+00],  
[2.0799e-01, 4.0633e-07, 2.4427e-02],  
[2.8163e+00, 4.7889e-03, 2.6636e-01],  
[1.1537e+01, 9.0080e-03, 3.6608e-01],  
[6.0222e-01, 4.4840e-05, 5.8485e-02],  
[7.3073e+01, 1.4471e+00, 1.8190e+00],  
[1.6357e+00, 7.2829e-04, 1.2993e-01],  
[2.7546e-01, 1.3244e-05, 3.5625e-02],  
[6.5864e+01, 5.0504e-01, 1.9862e+00],  
[4.0789e+00, 3.7051e-03, 3.1539e-01],  
[1.7088e-01, 2.2227e-05, 1.8913e-02],  
[3.2459e-02, 8.6306e-07, 4.8883e-03],  
[1.7639e-01, 5.2782e-06, 1.8609e-02],  
[1.9965e+00, 4.0094e-04, 1.0927e-01],  
[1.8518e+01, 7.2757e-02, 7.7122e-01],  
[2.0957e+00, 1.2178e-03, 1.3219e-01],  
[4.5777e-02, 2.4965e-06, 6.9223e-03],  
[4.0567e+00, 2.4473e-03, 2.3862e-01],  
[1.2944e+02, 2.0978e+00, 3.8126e+00],  
[2.3514e-01, 2.8579e-05, 2.1510e-02],  
[3.1595e-01, 2.6373e-05, 3.0447e-02],  
[1.9080e+01, 1.0854e-01, 8.1084e-01],  
[7.2326e+01, 1.8879e+00, 2.5396e+00],  
[5.8537e+01, 9.3697e-01, 3.4442e+00],  
[1.7173e-02, 5.9320e-09, 2.4744e-03],  
[7.7818e-01, 2.5543e-04, 1.0599e-01],  
[1.1502e-01, 1.1893e-05, 1.2960e-02],  
[9.1729e-01, 1.9071e-04, 6.7543e-02],  
[7.1081e-02, 8.1404e-07, 8.9866e-03],  
[3.9111e+00, 1.4408e-04, 2.9292e-01],  
[2.3550e+00, 1.9481e-03, 2.1492e-01],  
[2.7723e+01, 3.5051e-01, 1.5200e+00],  
[3.8897e+00, 1.6730e-03, 2.2795e-01],  
[1.9215e+02, 3.0644e+00, 4.8839e+00],  
[1.6236e-02, 1.8738e-07, 2.3919e-03],  
[1.1705e+00, 4.5327e-05, 1.2060e-01],  
[4.1214e+01, 5.6333e-01, 2.7474e+00],  
[9.2343e-01, 1.3161e-05, 6.7000e-02],  
[1.2649e+00, 2.1676e-04, 1.0489e-01],  
[1.6714e+02, 2.5845e+00, 3.2300e+00],  
[1.3937e-01, 5.1161e-06, 1.5054e-02],  
[3.4230e+00, 2.1882e-03, 4.2787e-01],  
[4.3347e+00, 2.1216e-03, 2.0448e-01],  
[2.6376e-01, 3.3443e-05, 2.3879e-02],  
[6.0582e+01, 1.3486e-01, 3.0505e+00],

[2.9715e+00, 6.4650e-03, 3.1659e-01],  
 [1.1817e+01, 9.8813e-03, 4.3312e-01],  
 [2.2655e+01, 2.7170e-02, 9.7008e-01],  
 [1.3792e+02, 2.0053e+00, 2.3302e+00],  
 [1.2071e+01, 3.5564e-03, 5.9358e-01],  
 [5.0180e+00, 1.2877e-02, 4.2594e-01],  
 [2.0379e+01, 1.0229e-01, 9.0786e-01],  
 [6.7422e+00, 2.9258e-02, 7.7424e-01],  
 [2.8736e+00, 6.2575e-03, 2.7780e-01],  
 [3.0317e+00, 2.7355e-03, 3.5870e-01],  
 [2.2310e-02, 9.5824e-08, 3.2507e-03],  
 [1.0217e+02, 1.0543e-01, 3.1488e+00],  
 [7.7811e+00, 7.9619e-03, 6.3005e-01],  
 [4.3628e+01, 3.3841e-02, 1.8366e+00],  
 [8.1165e+00, 1.6947e-02, 4.0095e-01],  
 [4.5890e+00, 2.6207e-03, 2.1945e-01],  
 [4.9540e+01, 4.6072e-01, 2.1204e+00],  
 [5.4220e-02, 4.2384e-06, 8.0940e-03],  
 [9.4661e+00, 5.3897e-02, 7.2956e-01],  
 [8.0746e-02, 1.2359e-06, 1.0573e-02],  
 [4.1115e-02, 7.8303e-07, 6.3054e-03],  
 [4.4480e+00, 6.4114e-03, 2.9851e-01],  
 [2.7136e-01, 1.0189e-05, 2.8088e-02],  
 [2.8641e+01, 2.1975e-01, 9.0148e-01],  
 [1.2971e-01, 9.1331e-07, 1.6821e-02],  
 [6.4512e-02, 3.2697e-06, 8.2645e-03],  
 [4.5630e+00, 4.3870e-03, 2.9953e-01],  
 [5.0253e+00, 5.1304e-04, 3.3177e-01],  
 [3.4154e-01, 2.3670e-05, 3.0794e-02],  
 [2.1575e+01, 1.2369e-01, 9.8424e-01],  
 [3.8950e+00, 3.8415e-03, 2.4318e-01],  
 [4.6968e-01, 1.0962e-05, 6.1411e-02],  
 [7.0894e+01, 2.7579e-01, 1.5346e+00],  
 [2.2320e+01, 9.5856e-03, 8.2105e-01],  
 [3.6285e+00, 3.2478e-03, 2.3303e-01],  
 [1.0258e+01, 3.6186e-03, 5.6763e-01],  
 [6.2927e+01, 2.0692e-01, 2.4187e+00],  
 [1.2677e-01, 5.1673e-06, 1.6423e-02],  
 [1.1459e+02, 3.3845e-01, 2.7237e+00],  
 [4.7836e-01, 5.1237e-05, 4.7492e-02],  
 [1.1323e+02, 1.3735e+00, 3.1476e+00],  
 [9.9423e+01, 1.5802e-01, 2.1984e+00],  
 [4.7406e+01, 6.0601e-01, 1.5399e+00],  
 [7.4342e-02, 1.1158e-06, 1.0590e-02],  
 [1.6974e+01, 1.2609e-01, 9.6324e-01],  
 [6.2861e-01, 1.9437e-04, 6.1186e-02],  
 [2.1451e-02, 6.6799e-07, 3.3464e-03],  
 [6.9913e-02, 6.4893e-06, 9.7234e-03],

```

[6.4950e-03, 5.2982e-09, 1.0108e-03],
[4.6373e+00, 1.2309e-03, 2.9322e-01],
[1.4554e-04, 1.3244e-11, 2.3949e-05],
[5.7388e+00, 1.9348e-03, 2.6941e-01],
[1.5190e-02, 1.2794e-07, 2.3877e-03],
[7.2934e+01, 1.1345e+00, 2.7631e+00],
[1.0155e+02, 1.1049e+00, 3.6153e+00],
[4.2119e+00, 3.4122e-03, 2.2809e-01],
[1.0080e-01, 2.5079e-06, 1.1744e-02],
[9.4446e-02, 3.9500e-06, 1.1950e-02],
[2.1042e-01, 9.7372e-06, 2.1221e-02],
[9.6290e-02, 9.7774e-07, 1.3248e-02],
[8.1095e-02, 3.9779e-06, 1.1223e-02],
[1.5833e+00, 5.1745e-04, 1.2341e-01],
[7.3341e+01, 7.4172e-01, 1.9180e+00],
[8.9459e+00, 2.2336e-02, 6.3965e-01],
[1.0901e+00, 2.3676e-05, 9.0026e-02],
[6.1899e+01, 5.6101e-01, 2.5625e+00],
[1.1507e+00, 2.0102e-03, 1.5938e-01],
[1.4382e-01, 1.5003e-05, 1.7064e-02]], dtype=torch.float64)
Iteration: 31
Inputs: tensor([[2.2625e+20, 3.8808e+02, 1.8167e+01, 4.6143e+00],
[4.1618e+20, 4.2651e+02, 1.6468e+01, 3.8919e+00],
[3.4734e+18, 4.8194e+02, 6.9520e-01, 8.4280e+00],
...,
[8.2970e+20, 2.8335e+02, 4.4422e+00, 5.3633e+00],
[4.0592e+18, 3.0501e+02, 5.9744e+00, 9.4250e+00],
[4.1117e+18, 3.0114e+02, 1.1784e+01, 6.7442e+00]], dtype=torch.float64)
Target: tensor([[5.2253e+01, 4.1502e-01, 2.0351e+00],
[8.3922e+01, 7.3063e-01, 2.9305e+00],
[3.2300e+00, 8.3925e-04, 1.3255e-01],
[6.8235e+00, 8.3918e-03, 2.9960e-01],
[7.3763e+01, 9.8071e-02, 3.5925e+00],
[2.1616e-01, 2.3336e-05, 2.4449e-02],
[9.1938e-01, 6.7676e-06, 7.5057e-02],
[3.6718e+01, 1.6667e-01, 9.5795e-01],
[3.5996e+00, 4.1197e-03, 2.6854e-01],
[1.4605e+02, 2.9401e+00, 2.8600e+00],
[1.4139e-01, 2.8214e-06, 1.7186e-02],
[3.6433e+00, 4.4057e-03, 2.7806e-01],
[1.0309e+02, 8.4668e-01, 3.7820e+00],
[1.1196e+00, 3.1079e-04, 7.5504e-02],
[2.1850e+02, 3.0918e+00, 4.6947e+00],
[8.0873e+00, 5.3195e-03, 4.7385e-01],
[3.4630e+01, 8.1509e-02, 1.6572e+00],
[4.7605e+01, 7.5399e-02, 1.2561e+00],
[1.5525e+02, 6.4396e+00, 3.6390e+00],
[1.2971e+00, 4.1722e-04, 1.0425e-01],

```

[3.1533e+01, 2.5038e-01, 1.7422e+00],  
 [1.8218e-01, 2.1555e-05, 2.4951e-02],  
 [2.6430e+01, 3.8093e-02, 6.6506e-01],  
 [6.3058e-01, 6.9630e-05, 6.6565e-02],  
 [1.0922e+01, 4.3446e-02, 5.8128e-01],  
 [5.0029e-01, 4.3886e-05, 4.6549e-02],  
 [1.0236e+00, 6.6121e-04, 9.9186e-02],  
 [1.8808e+02, 4.9874e+00, 4.8182e+00],  
 [1.4315e+01, 4.4086e-02, 5.8787e-01],  
 [4.9441e+01, 5.5692e-02, 1.5491e+00],  
 [7.9931e-01, 1.4016e-04, 6.0627e-02],  
 [1.0415e+01, 2.9156e-02, 5.2435e-01],  
 [3.4391e-01, 7.7486e-05, 3.5910e-02],  
 [7.1072e+00, 2.1005e-03, 4.3121e-01],  
 [4.8851e-01, 1.0556e-04, 5.4086e-02],  
 [8.0634e-02, 3.2874e-07, 9.8815e-03],  
 [1.5125e+01, 9.2134e-02, 8.8390e-01],  
 [4.0466e-02, 8.0901e-07, 5.4570e-03],  
 [1.4363e-01, 6.4194e-06, 1.6514e-02],  
 [3.6410e+00, 6.5625e-03, 2.3858e-01],  
 [2.0817e+02, 9.5108e-01, 4.9995e+00],  
 [5.1639e+00, 3.2753e-03, 3.1401e-01],  
 [2.1303e+01, 6.1328e-02, 9.7489e-01],  
 [3.2845e+01, 1.1272e-01, 2.3230e+00],  
 [3.6936e+00, 1.4955e-03, 3.0410e-01],  
 [2.5112e+00, 1.1156e-03, 1.9490e-01],  
 [7.0321e-01, 1.9693e-05, 5.2282e-02],  
 [4.2171e+00, 3.7745e-03, 2.6269e-01],  
 [6.2631e+01, 3.4420e-01, 3.1073e+00],  
 [1.8843e+02, 1.2876e+00, 3.7263e+00],  
 [3.0631e+01, 1.5041e-01, 2.2992e+00],  
 [1.4662e+02, 3.5098e+00, 3.8156e+00],  
 [1.2668e+01, 1.4497e-02, 4.6603e-01],  
 [4.0233e-03, 1.4360e-08, 6.3076e-04],  
 [3.5533e+01, 2.4887e-01, 2.5313e+00],  
 [3.9457e+00, 1.2486e-03, 2.0515e-01],  
 [9.1198e+00, 6.4880e-02, 7.1758e-01],  
 [4.6380e+00, 1.7564e-03, 3.8171e-01],  
 [1.6285e+01, 6.8573e-02, 6.7274e-01],  
 [3.2364e-01, 2.2829e-05, 3.9410e-02],  
 [6.0577e+00, 7.4454e-03, 3.0598e-01],  
 [4.0136e-01, 2.6429e-05, 4.1749e-02],  
 [2.0535e+02, 1.3547e+00, 4.4212e+00],  
 [9.5810e+01, 1.6584e+00, 2.0613e+00],  
 [7.8349e+00, 3.7255e-03, 3.6931e-01],  
 [2.1864e-02, 1.0052e-07, 3.1016e-03],  
 [1.3278e+02, 2.4975e+00, 2.6182e+00],  
 [6.8251e+00, 9.3929e-03, 3.5977e-01],

[6.2972e+00, 9.2604e-03, 3.8969e-01],  
 [4.2700e+01, 5.0844e-01, 1.2951e+00],  
 [2.2327e-01, 1.6401e-05, 2.5167e-02],  
 [1.3648e+01, 4.7939e-02, 8.7542e-01],  
 [5.3774e-02, 5.3379e-07, 7.6668e-03],  
 [3.7557e+00, 8.4462e-04, 4.2053e-01],  
 [6.7813e-02, 4.8104e-07, 9.3552e-03],  
 [2.3147e+00, 1.3481e-03, 1.8727e-01],  
 [1.8704e+02, 2.6534e+00, 3.7245e+00],  
 [2.0155e+01, 5.9906e-02, 1.1508e+00],  
 [1.0798e+02, 7.1121e-01, 2.4728e+00],  
 [4.7088e+01, 4.4457e-01, 1.7648e+00],  
 [3.2227e+00, 1.5430e-03, 2.5667e-01],  
 [3.0126e+01, 1.0280e-01, 1.3050e+00],  
 [4.9609e-01, 9.8033e-06, 4.6014e-02],  
 [8.8959e+00, 4.2204e-02, 8.2539e-01],  
 [2.6073e-01, 4.3234e-05, 2.4500e-02],  
 [9.7464e-04, 1.5411e-10, 1.5774e-04],  
 [4.4747e+00, 2.7515e-03, 3.0482e-01],  
 [3.6682e+01, 7.9006e-02, 1.1342e+00],  
 [3.8345e+00, 2.6173e-03, 3.6085e-01],  
 [9.8701e+01, 4.0334e-01, 3.1214e+00],  
 [1.7463e+01, 3.0928e-02, 5.3520e-01],  
 [2.4562e+01, 6.1774e-02, 9.4740e-01],  
 [7.7852e-02, 9.0106e-07, 9.6392e-03],  
 [1.0159e+02, 1.0322e-01, 2.3118e+00],  
 [6.5931e-01, 1.8224e-04, 8.4431e-02],  
 [6.0964e+00, 7.9119e-03, 3.8592e-01],  
 [6.5514e+00, 4.8494e-03, 5.2482e-01],  
 [4.2591e+01, 9.3343e-01, 2.2835e+00],  
 [7.7369e+01, 1.7402e+00, 1.9688e+00],  
 [1.1099e+02, 3.0079e+00, 2.6845e+00],  
 [2.6235e+01, 2.3704e-02, 1.4656e+00],  
 [1.9168e+00, 3.1342e-04, 1.7418e-01],  
 [9.5684e-01, 2.5098e-04, 1.0340e-01],  
 [1.9524e+01, 8.3047e-02, 8.5606e-01],  
 [1.5431e+00, 2.9000e-04, 9.6817e-02],  
 [9.9492e+01, 1.3256e+00, 3.0737e+00],  
 [6.9313e-01, 3.9913e-05, 5.1026e-02],  
 [1.1985e+00, 1.3874e-04, 1.5044e-01],  
 [2.7034e+02, 1.8274e+00, 4.5213e+00],  
 [5.8051e+01, 7.1493e-01, 2.0020e+00],  
 [1.7459e+02, 4.9274e+00, 4.3475e+00],  
 [5.8768e-01, 1.6990e-04, 6.9954e-02],  
 [1.1995e-01, 1.5390e-05, 1.4654e-02],  
 [3.1751e-01, 1.6648e-05, 3.5428e-02],  
 [3.0048e+00, 2.8386e-04, 2.1213e-01],  
 [5.1257e+00, 2.5623e-04, 2.4335e-01],

[6.7802e+00, 4.9619e-04, 3.3193e-01],  
 [5.1384e+01, 1.6967e-01, 1.8784e+00],  
 [2.7716e-01, 2.0317e-05, 2.7869e-02],  
 [7.0389e+01, 6.0374e-01, 2.1276e+00],  
 [5.1258e+00, 9.2388e-03, 3.9556e-01],  
 [1.3643e+01, 2.1458e-02, 7.0426e-01],  
 [9.1651e-02, 9.2745e-06, 1.2167e-02],  
 [3.6370e+00, 6.1540e-04, 1.7873e-01],  
 [5.3591e+01, 2.0803e-01, 2.5437e+00],  
 [2.0041e+01, 1.5567e-01, 9.8185e-01],  
 [5.4220e+01, 3.7138e-01, 3.0468e+00],  
 [1.5487e+02, 9.4039e-01, 4.4014e+00],  
 [1.1481e+01, 2.9971e-03, 4.5492e-01],  
 [9.6714e+00, 4.3202e-02, 5.0976e-01],  
 [1.3857e+02, 4.0307e+00, 3.1576e+00],  
 [6.4111e+01, 5.0593e-01, 2.2353e+00],  
 [2.0168e+00, 1.3719e-03, 1.6215e-01],  
 [3.0243e+00, 3.5654e-04, 2.4839e-01],  
 [4.9730e-02, 5.1103e-07, 6.6039e-03],  
 [1.3086e+02, 2.0390e+00, 2.6281e+00],  
 [8.3995e-01, 4.2689e-04, 7.3212e-02],  
 [2.3582e+01, 7.3500e-02, 1.0540e+00],  
 [3.8119e+01, 1.7461e-01, 9.8864e-01],  
 [4.9534e+00, 1.2789e-02, 4.7165e-01],  
 [1.8162e+00, 3.2597e-04, 2.2705e-01],  
 [6.0318e-02, 1.5670e-06, 8.0893e-03],  
 [7.9136e+01, 7.8595e-02, 1.5318e+00],  
 [6.5351e+01, 1.2538e+00, 1.8367e+00],  
 [2.6810e+01, 1.7933e-01, 9.1033e-01],  
 [6.8114e-01, 7.2825e-05, 5.1611e-02],  
 [5.8521e+00, 1.1207e-03, 2.4542e-01],  
 [4.7433e+01, 7.0159e-01, 1.8748e+00],  
 [1.2582e+02, 3.3885e+00, 3.1373e+00],  
 [4.1584e+01, 2.5162e-01, 9.7909e-01],  
 [3.8999e-04, 2.0859e-11, 6.3941e-05],  
 [7.6751e-01, 1.7781e-04, 6.8546e-02],  
 [5.4083e+01, 4.9831e-01, 1.1287e+00],  
 [6.0311e+01, 6.3404e-02, 1.6226e+00],  
 [4.2722e+00, 1.9107e-03, 3.0963e-01],  
 [5.0289e+00, 2.5218e-03, 2.7022e-01],  
 [2.5744e+01, 8.0014e-03, 1.1194e+00],  
 [6.4470e+00, 6.1188e-03, 3.3292e-01],  
 [1.7316e+01, 6.0640e-03, 8.7873e-01],  
 [8.6397e+01, 1.2912e+00, 3.4545e+00],  
 [1.0435e+02, 1.0960e+00, 2.7214e+00],  
 [3.6721e+00, 6.4825e-03, 3.3381e-01],  
 [7.5248e+01, 8.6240e-01, 2.1039e+00],  
 [7.3951e-02, 6.9020e-07, 9.9885e-03],

[1.6638e+01, 1.2861e-02, 7.0941e-01],  
 [3.3267e+01, 2.2895e-02, 1.9016e+00],  
 [3.7468e+00, 4.4361e-03, 2.7536e-01],  
 [4.2619e+01, 4.4381e-02, 1.4870e+00],  
 [1.4418e+02, 6.5686e-01, 4.6596e+00],  
 [9.3998e-01, 1.1714e-04, 7.7073e-02],  
 [1.7908e-02, 9.2880e-08, 2.6608e-03],  
 [1.2058e+02, 1.7553e+00, 2.7010e+00],  
 [2.7285e+00, 1.5701e-03, 1.5772e-01],  
 [1.3589e-01, 2.7276e-06, 1.5142e-02],  
 [8.0179e+01, 5.9989e-01, 2.9156e+00],  
 [1.0115e+00, 6.2449e-05, 6.2463e-02],  
 [2.4896e+01, 2.7507e-02, 1.5717e+00],  
 [1.1925e+00, 2.3926e-04, 1.2423e-01],  
 [8.6179e+01, 1.2335e+00, 2.1659e+00],  
 [4.2869e-01, 7.6575e-06, 4.8413e-02],  
 [1.4644e+01, 8.2813e-03, 9.3006e-01],  
 [7.6384e-01, 7.7731e-05, 8.9340e-02],  
 [3.1211e+01, 4.5999e-02, 1.4318e+00],  
 [2.3719e-02, 1.6314e-07, 3.5381e-03],  
 [4.2434e-01, 9.3788e-06, 4.7419e-02],  
 [2.1553e-02, 6.9960e-07, 3.0424e-03],  
 [9.9887e-02, 2.9296e-06, 1.4230e-02],  
 [2.7611e-01, 2.6866e-05, 2.5006e-02],  
 [1.7070e+00, 1.3215e-03, 1.3951e-01],  
 [2.5132e+01, 1.9574e-01, 1.2572e+00],  
 [8.2809e+01, 8.6694e-01, 3.6795e+00],  
 [3.9297e-02, 4.0184e-07, 5.2561e-03],  
 [3.0937e+01, 4.4205e-02, 9.7603e-01],  
 [1.4491e+00, 6.6572e-05, 1.1933e-01],  
 [1.9154e+01, 2.0320e-01, 1.2819e+00],  
 [1.1468e+01, 4.8291e-03, 4.5190e-01],  
 [2.3193e-01, 5.3684e-05, 3.0000e-02],  
 [8.3292e+00, 1.3790e-03, 5.0478e-01],  
 [1.3813e-01, 1.2281e-06, 1.6714e-02],  
 [1.3118e+02, 9.4348e-01, 2.8120e+00],  
 [2.8686e-01, 8.3283e-05, 3.4273e-02],  
 [4.1890e+01, 9.1689e-02, 2.6042e+00],  
 [8.9766e-01, 1.1379e-04, 9.4930e-02],  
 [1.6954e-01, 7.0977e-07, 2.4607e-02],  
 [7.7519e-02, 2.9721e-06, 1.0786e-02],  
 [5.1110e-04, 4.2194e-11, 8.3774e-05],  
 [1.0998e+01, 3.3618e-02, 6.0248e-01],  
 [1.2366e+01, 3.7496e-02, 5.0796e-01],  
 [5.1649e+00, 1.2690e-02, 4.2227e-01],  
 [3.4955e+01, 3.2541e-01, 2.5471e+00],  
 [1.2297e+01, 9.7914e-03, 8.8569e-01],  
 [3.3791e+01, 2.0923e-01, 1.5583e+00],



[8.2474e+01, 1.3806e+00, 3.1558e+00],  
[2.3731e+01, 2.4246e-02, 1.2179e+00],  
[1.5392e+01, 1.0590e-02, 6.8032e-01],  
[3.7921e+00, 1.6554e-03, 3.7013e-01],  
[1.3083e+02, 2.8385e+00, 2.5583e+00],  
[1.1839e+02, 7.3632e-01, 2.9816e+00],  
[7.7167e+00, 1.8764e-02, 3.8049e-01],  
[4.6777e-02, 7.5390e-08, 7.0570e-03],  
[2.3289e+01, 8.5399e-02, 7.2289e-01],  
[4.3065e-02, 1.3215e-06, 6.3308e-03],  
[3.5268e+01, 1.8661e-01, 1.6147e+00],  
[1.9000e-01, 1.3491e-05, 2.0452e-02],  
[9.3543e-01, 4.4743e-06, 7.3870e-02],  
[1.0416e+01, 7.1880e-03, 4.3098e-01],  
[3.5348e+01, 2.0693e-01, 1.9411e+00],  
[4.0833e+01, 4.4097e-01, 1.4480e+00],  
[9.8299e+00, 1.2144e-02, 8.4327e-01],  
[4.5555e+00, 2.4692e-03, 4.5064e-01],  
[1.3422e+01, 1.3565e-03, 5.2999e-01],  
[3.5775e+01, 9.1876e-02, 8.8292e-01],  
[6.1660e+00, 1.4453e-02, 6.7816e-01],  
[1.4654e-02, 3.1332e-08, 2.2250e-03],  
[7.1940e+00, 7.9624e-04, 4.7252e-01],  
[3.6714e+00, 6.0143e-03, 3.2934e-01],  
[4.2442e-01, 2.6798e-05, 6.0100e-02],  
[6.6384e+00, 5.1145e-03, 5.0648e-01],  
[1.9565e-01, 3.0176e-05, 2.8952e-02],  
[1.1413e+01, 9.5458e-03, 8.5459e-01],  
[3.1807e+00, 8.7706e-04, 3.6078e-01],  
[1.1882e+01, 3.6619e-02, 4.9515e-01],  
[4.4251e-01, 4.7835e-05, 5.7327e-02],  
[2.5080e+00, 1.7299e-03, 2.7229e-01],  
[2.1446e+00, 3.2373e-03, 1.9108e-01],  
[4.3356e+01, 5.0244e-01, 1.9012e+00],  
[5.5731e+01, 6.3285e-01, 1.9849e+00],  
[3.3395e+00, 2.9733e-03, 1.8993e-01],  
[2.9867e+00, 2.2330e-03, 1.8957e-01],  
[7.4275e+01, 1.5148e-01, 3.0240e+00],  
[7.2449e+01, 1.1102e+00, 1.8184e+00],  
[1.0524e+00, 5.9425e-04, 1.0505e-01],  
[2.5502e+01, 5.4528e-02, 1.3805e+00],  
[9.8397e+00, 4.9975e-03, 5.6691e-01],  
[2.7962e+00, 5.7897e-04, 2.0003e-01],  
[1.9345e+02, 8.0349e+00, 4.8916e+00],  
[2.4611e+00, 1.2313e-03, 1.2763e-01],  
[5.4635e+00, 9.1171e-03, 4.6344e-01],  
[5.2545e+01, 1.4979e-01, 3.1301e+00],  
[9.2843e+01, 1.5548e+00, 3.2818e+00],

[6.7522e+00, 3.1472e-03, 4.0709e-01],  
 [6.6757e+00, 9.0574e-03, 4.0830e-01],  
 [1.9609e+01, 6.7267e-02, 7.7703e-01],  
 [5.6996e+01, 4.8184e-01, 2.1125e+00],  
 [6.7997e+01, 1.0105e+00, 2.2519e+00],  
 [4.8760e+01, 3.2871e-01, 2.0749e+00],  
 [1.8877e-02, 1.3216e-07, 2.7161e-03],  
 [2.4173e+01, 2.9584e-02, 2.0571e+00],  
 [9.8684e-01, 3.8191e-04, 9.9264e-02],  
 [4.3705e+00, 1.0395e-02, 4.9744e-01],  
 [6.6265e+01, 1.1452e+00, 1.5985e+00],  
 [1.8611e-01, 5.2787e-06, 2.7207e-02],  
 [6.9314e-01, 1.8124e-04, 7.0115e-02],  
 [2.4503e+01, 1.6615e-01, 2.0845e+00],  
 [7.7084e-01, 3.4984e-04, 7.5250e-02],  
 [4.8129e-01, 1.2960e-04, 4.5347e-02],  
 [4.0488e+01, 5.4223e-01, 1.6500e+00],  
 [1.7192e+01, 3.0310e-02, 8.4522e-01],  
 [7.7364e+01, 1.2871e+00, 2.1722e+00],  
 [4.3969e+01, 1.3621e-01, 1.0362e+00],  
 [1.1537e+01, 1.8178e-02, 1.0813e+00],  
 [4.1007e+01, 1.7895e-01, 1.4794e+00],  
 [3.5513e+01, 1.7060e-01, 1.9143e+00],  
 [1.7327e-02, 4.3527e-07, 2.5515e-03],  
 [1.9040e+02, 1.5774e+00, 3.5295e+00],  
 [4.8508e-01, 1.4780e-05, 5.7093e-02],  
 [7.9120e-04, 8.0271e-11, 1.2824e-04],  
 [2.9110e+00, 4.3630e-04, 1.4482e-01],  
 [2.0916e+01, 9.0766e-02, 7.6055e-01],  
 [1.6044e+00, 2.9488e-04, 1.7117e-01],  
 [1.7939e-01, 1.7559e-05, 1.8843e-02],  
 [2.0243e+02, 1.0001e+01, 4.7955e+00],  
 [2.8530e-01, 3.2817e-05, 2.5512e-02],  
 [1.1820e+01, 5.3382e-02, 5.0226e-01],  
 [9.5079e+00, 3.5362e-02, 5.4306e-01],  
 [2.2053e+01, 3.8739e-02, 5.6649e-01],  
 [2.5068e+00, 1.9261e-03, 2.1773e-01],  
 [9.5768e-01, 8.6170e-05, 7.6311e-02],  
 [1.4853e-02, 2.9735e-08, 2.2731e-03],  
 [6.1649e-01, 3.2931e-05, 6.7233e-02],  
 [1.4943e+01, 6.8403e-03, 1.2276e+00],  
 [2.7701e+00, 8.6193e-04, 1.2535e-01],  
 [4.9829e-01, 5.6446e-06, 5.4305e-02],  
 [1.4727e+01, 2.5216e-02, 5.5764e-01],  
 [1.3424e+00, 4.1651e-04, 9.9073e-02],  
 [7.1466e+00, 5.5331e-03, 4.3307e-01],  
 [6.7630e+01, 3.6282e-01, 1.8743e+00],  
 [1.7913e-02, 1.3339e-07, 2.6575e-03],

```

[2.0034e+02, 4.0180e+00, 3.7431e+00],
[1.3286e+01, 4.8208e-02, 7.1884e-01],
[4.7239e-03, 4.2037e-09, 7.3500e-04],
[1.0533e+00, 3.3567e-05, 1.1182e-01],
[1.5284e+02, 2.0256e+00, 3.2177e+00],
[4.5419e-02, 1.3937e-06, 6.6595e-03],
[3.3532e-01, 4.9654e-05, 3.9599e-02],
[2.8512e+00, 9.3208e-04, 1.8674e-01],
[1.0128e+02, 2.8722e-01, 4.0716e+00],
[2.0694e+02, 2.4114e+00, 4.5934e+00],
[1.6615e+00, 6.5661e-04, 1.1045e-01],
[8.5353e-01, 2.1486e-04, 7.5538e-02]], dtype=torch.float64)
Iteration: 32
Inputs: tensor([[1.4166e+18, 3.2300e+02, 4.4609e+00, 8.1429e+00],
               [8.6658e+18, 2.1980e+02, 1.8431e+00, 3.5200e+00],
               [6.6266e+18, 1.6319e+02, 3.5594e+00, 7.7924e+00],
               ...,
               [5.6032e+18, 4.3520e+02, 1.5256e+01, 9.1712e+00],
               [5.6885e+19, 1.3886e+02, 1.1772e+01, 3.2806e+00],
               [4.6922e+18, 9.7738e+01, 1.3136e+01, 8.8291e+00]], dtype=torch.float64)
Target: tensor([[4.2833e-01, 3.9321e-05, 3.5097e-02],
               [3.3624e+00, 3.5367e-04, 2.0886e-01],
               [1.7037e+00, 5.4466e-04, 1.3318e-01],
               [1.0088e+02, 7.3883e-01, 3.3549e+00],
               [5.5992e+01, 3.4444e-01, 2.0042e+00],
               [3.1781e+01, 3.0893e-01, 9.3768e-01],
               [4.5477e+01, 2.9569e-01, 1.3669e+00],
               [3.7921e+00, 2.4755e-03, 2.8412e-01],
               [1.1232e+02, 3.0884e+00, 3.6899e+00],
               [7.6759e+00, 1.0018e-02, 6.6662e-01],
               [4.2084e+00, 1.7253e-03, 3.5249e-01],
               [2.9397e+00, 3.5909e-04, 2.8700e-01],
               [1.3209e+02, 1.1395e-01, 3.9648e+00],
               [1.2294e+00, 1.2952e-04, 6.6915e-02],
               [1.1507e+01, 2.8566e-02, 4.9103e-01],
               [1.0441e+00, 7.7086e-04, 1.1626e-01],
               [3.9794e+00, 1.4487e-03, 2.0949e-01],
               [6.2516e+01, 1.3755e+00, 2.1007e+00],
               [1.1347e-01, 5.3837e-06, 1.3201e-02],
               [3.4758e+00, 2.4665e-04, 3.1492e-01],
               [1.1763e+01, 1.6288e-02, 7.7049e-01],
               [3.4086e-01, 4.5934e-05, 2.9524e-02],
               [1.0435e+01, 1.4542e-03, 6.3989e-01],
               [1.1081e+00, 2.0269e-04, 1.4259e-01],
               [1.8802e+01, 9.0753e-02, 6.9903e-01],
               [5.3398e-01, 2.0433e-05, 5.1391e-02],
               [8.6048e-01, 1.2992e-04, 6.0498e-02],
               [6.2047e-01, 1.0539e-04, 5.9674e-02],

```

[4.7328e+01, 7.7683e-01, 2.0219e+00],  
 [8.8712e-01, 1.8909e-04, 7.6670e-02],  
 [1.5581e+01, 8.4420e-02, 7.2345e-01],  
 [5.2185e-01, 5.7808e-05, 3.9309e-02],  
 [1.1624e-01, 1.5997e-06, 1.3970e-02],  
 [1.8046e+00, 2.5096e-03, 1.9988e-01],  
 [3.6816e+01, 4.5736e-01, 2.2251e+00],  
 [9.4296e-01, 5.3392e-05, 1.0651e-01],  
 [2.1492e+01, 1.1107e-02, 9.4166e-01],  
 [1.2112e-01, 4.7427e-06, 1.4899e-02],  
 [1.1620e-01, 1.6003e-05, 1.6736e-02],  
 [3.4202e+01, 1.5183e-01, 1.2345e+00],  
 [7.9495e+00, 1.2277e-03, 3.4759e-01],  
 [7.1635e+01, 5.1334e-01, 1.6154e+00],  
 [8.2452e+00, 2.6260e-02, 6.3042e-01],  
 [5.5647e-01, 1.2428e-04, 5.5748e-02],  
 [1.1133e-01, 7.8032e-06, 1.2679e-02],  
 [4.2151e+01, 2.5311e-01, 1.6815e+00],  
 [6.8584e+01, 6.9056e-01, 2.1345e+00],  
 [1.2382e+00, 8.5109e-04, 1.0288e-01],  
 [1.8611e+00, 8.6737e-04, 1.4193e-01],  
 [1.5682e+02, 1.2010e+00, 4.8093e+00],  
 [9.6151e-02, 2.4401e-07, 1.3401e-02],  
 [5.9005e-02, 5.1022e-07, 8.2379e-03],  
 [2.9333e+01, 8.0949e-02, 9.9650e-01],  
 [5.1532e-01, 9.0684e-05, 5.0224e-02],  
 [1.1601e+02, 7.1151e-01, 3.7996e+00],  
 [6.9549e+01, 5.0038e-01, 3.4285e+00],  
 [8.9003e-04, 1.8880e-10, 1.4452e-04],  
 [4.5630e+00, 1.3233e-03, 2.2028e-01],  
 [2.7388e+01, 6.6120e-02, 7.4128e-01],  
 [1.0471e-01, 1.4618e-05, 1.5358e-02],  
 [2.7394e+01, 2.4499e-02, 1.1327e+00],  
 [5.6209e-01, 1.4445e-04, 5.7623e-02],  
 [4.4344e+01, 9.9618e-03, 1.2535e+00],  
 [8.6277e-02, 1.6207e-06, 1.0355e-02],  
 [2.5960e+02, 1.2687e+01, 4.8698e+00],  
 [4.0782e-02, 4.0525e-07, 5.7598e-03],  
 [6.5509e-01, 2.7607e-04, 7.4700e-02],  
 [2.5347e+01, 2.9685e-02, 1.5426e+00],  
 [4.3450e+01, 1.1679e-01, 1.1800e+00],  
 [3.4477e+01, 4.4589e-02, 7.8728e-01],  
 [2.1472e-01, 7.5494e-06, 2.8117e-02],  
 [2.6465e+01, 8.9275e-02, 1.2142e+00],  
 [4.0048e-03, 2.8176e-09, 6.2664e-04],  
 [5.3841e+01, 8.3535e-01, 1.4815e+00],  
 [4.8415e-02, 8.8929e-07, 6.9416e-03],  
 [1.2808e+01, 3.2005e-02, 5.2294e-01],

[2.5013e+01, 1.0764e-01, 1.7694e+00],  
 [7.3506e+00, 4.6241e-03, 3.4184e-01],  
 [4.8467e+01, 4.3353e-01, 2.8341e+00],  
 [4.2466e-01, 1.2441e-05, 3.6841e-02],  
 [2.8614e-01, 2.8553e-05, 3.4668e-02],  
 [3.8203e+01, 4.7402e-02, 2.3262e+00],  
 [2.0263e+00, 7.4873e-04, 1.1817e-01],  
 [1.1837e+01, 1.8709e-02, 4.5671e-01],  
 [2.6431e+01, 1.5002e-03, 7.2863e-01],  
 [7.0327e+01, 4.7124e-01, 1.3602e+00],  
 [1.1126e+02, 1.5464e+00, 3.3667e+00],  
 [5.9390e+00, 1.6306e-03, 2.9617e-01],  
 [1.4611e+01, 3.6458e-02, 6.3483e-01],  
 [2.0069e+01, 2.0551e-01, 1.8005e+00],  
 [4.9553e+01, 7.2054e-02, 1.1263e+00],  
 [1.3000e-02, 1.6373e-08, 1.9094e-03],  
 [1.3084e+00, 1.5354e-04, 7.5492e-02],  
 [4.0004e-01, 8.3509e-05, 3.4341e-02],  
 [3.4713e+01, 2.0179e-01, 1.6627e+00],  
 [1.2198e+01, 5.0157e-03, 4.5344e-01],  
 [1.7237e+02, 1.4816e+00, 4.1971e+00],  
 [5.5408e-01, 2.8069e-05, 5.9030e-02],  
 [2.4788e+01, 7.8658e-02, 9.6624e-01],  
 [2.1681e+01, 1.1263e-01, 7.9862e-01],  
 [9.5970e-01, 1.7267e-04, 8.0569e-02],  
 [1.1096e+00, 2.5967e-04, 9.6090e-02],  
 [7.1887e-01, 8.8754e-05, 8.9120e-02],  
 [8.5252e+00, 4.3003e-03, 3.8296e-01],  
 [4.8557e+00, 3.2271e-03, 2.8230e-01],  
 [1.7359e-01, 2.1087e-06, 1.9744e-02],  
 [3.3848e-01, 3.9795e-05, 3.2014e-02],  
 [5.8302e+01, 4.9811e-01, 1.3794e+00],  
 [1.2032e+00, 7.0199e-04, 1.0455e-01],  
 [3.0566e-02, 2.8234e-07, 4.6726e-03],  
 [8.0787e+01, 6.7334e-01, 1.4733e+00],  
 [6.1660e+00, 6.7336e-03, 3.1622e-01],  
 [1.5377e+01, 2.2065e-02, 5.9033e-01],  
 [5.7373e+01, 2.2911e-01, 1.7301e+00],  
 [1.2413e+00, 1.9524e-03, 1.5311e-01],  
 [2.8856e+01, 1.7273e-01, 1.6301e+00],  
 [9.6203e+00, 1.4542e-03, 3.1751e-01],  
 [3.1361e+00, 1.7900e-03, 1.5985e-01],  
 [1.8533e+01, 1.8491e-02, 1.4245e+00],  
 [1.5123e+01, 2.1465e-02, 8.1172e-01],  
 [2.0870e+00, 8.3623e-04, 1.9950e-01],  
 [1.4117e-01, 5.4357e-06, 1.6797e-02],  
 [4.4077e+01, 1.4553e-01, 3.0670e+00],  
 [1.0989e+00, 5.1718e-05, 6.3703e-02],

[2.9088e+01, 7.9964e-02, 1.4808e+00],  
 [1.1693e+01, 4.3209e-03, 7.1111e-01],  
 [2.6609e+00, 8.5511e-03, 3.4661e-01],  
 [1.4647e+01, 4.4956e-02, 6.9493e-01],  
 [1.5543e+02, 3.8633e+00, 4.0975e+00],  
 [8.3459e+00, 1.0334e-02, 4.5724e-01],  
 [5.6600e-01, 5.7214e-05, 5.1944e-02],  
 [1.0681e+00, 8.0137e-04, 1.2634e-01],  
 [7.3987e-01, 1.9281e-04, 9.1687e-02],  
 [2.3630e+01, 4.1435e-02, 6.0574e-01],  
 [4.8838e+01, 2.1155e-01, 1.6077e+00],  
 [8.7274e+00, 1.1148e-02, 3.2276e-01],  
 [5.8235e+01, 2.2265e-01, 1.9917e+00],  
 [8.1584e-01, 5.3475e-04, 8.8249e-02],  
 [3.0768e+01, 2.7563e-01, 1.0633e+00],  
 [1.1607e-01, 6.6324e-06, 1.4077e-02],  
 [7.3041e+00, 8.5057e-03, 5.1925e-01],  
 [5.0441e-03, 9.4312e-09, 7.9857e-04],  
 [3.0173e+01, 1.9868e-02, 1.0534e+00],  
 [3.2777e+00, 8.2753e-05, 2.4828e-01],  
 [2.7411e+01, 2.3641e-02, 1.1886e+00],  
 [5.0594e-01, 1.6941e-05, 4.7583e-02],  
 [1.3443e+01, 3.7137e-02, 1.0441e+00],  
 [1.8948e+02, 4.9279e+00, 3.5831e+00],  
 [3.4743e-01, 9.2463e-06, 4.1157e-02],  
 [6.0520e+01, 3.0558e-01, 3.3092e+00],  
 [2.8934e+01, 1.4796e-01, 1.0099e+00],  
 [1.0100e+00, 3.3175e-04, 9.2146e-02],  
 [8.1915e-02, 3.3073e-06, 1.1693e-02],  
 [7.8279e+00, 6.1413e-03, 4.9163e-01],  
 [9.1462e-01, 1.7980e-04, 7.9711e-02],  
 [8.5200e+00, 1.5268e-02, 4.9248e-01],  
 [1.7387e-01, 1.5627e-06, 2.0608e-02],  
 [5.1222e+00, 1.0860e-04, 2.8476e-01],  
 [1.9920e+01, 1.1090e-01, 1.7798e+00],  
 [3.3142e-01, 4.2557e-05, 3.9468e-02],  
 [7.8041e+01, 2.0772e-01, 3.3400e+00],  
 [9.6375e-02, 2.1219e-06, 1.1702e-02],  
 [4.1498e+01, 3.0683e-01, 1.4035e+00],  
 [1.7901e+01, 8.6751e-02, 7.4009e-01],  
 [1.0575e+02, 3.0780e+00, 3.6336e+00],  
 [4.9193e+00, 1.0980e-03, 2.5398e-01],  
 [2.5118e+00, 3.0937e-04, 2.2284e-01],  
 [1.4999e+02, 2.8722e+00, 4.4513e+00],  
 [3.5257e-01, 6.8823e-05, 3.7082e-02],  
 [1.2861e+00, 3.5815e-04, 1.2479e-01],  
 [5.8337e+01, 6.3695e-01, 1.5350e+00],  
 [4.8550e+00, 7.0684e-03, 3.4213e-01],

[4.1794e+01, 1.3044e-01, 1.4762e+00],  
 [2.3527e-02, 4.0868e-07, 3.3886e-03],  
 [1.2194e+01, 7.6584e-02, 1.1209e+00],  
 [9.0980e+01, 5.0801e-01, 2.4795e+00],  
 [1.5851e+02, 4.4514e-01, 4.5012e+00],  
 [6.8408e+01, 3.2843e-01, 2.4899e+00],  
 [2.5650e+02, 5.1141e+00, 5.0828e+00],  
 [1.0885e+00, 1.8979e-04, 9.2691e-02],  
 [1.0787e+02, 2.8074e+00, 2.4599e+00],  
 [2.8270e+01, 1.6272e-01, 8.9150e-01],  
 [1.9419e+00, 6.9054e-04, 1.7706e-01],  
 [2.8578e+00, 1.1999e-02, 3.1119e-01],  
 [1.7658e+01, 2.6259e-02, 1.4270e+00],  
 [5.4828e+01, 8.8570e-01, 1.7357e+00],  
 [3.6445e+01, 1.1812e-01, 2.5148e+00],  
 [3.1958e+01, 1.1342e-01, 1.1547e+00],  
 [5.0209e+01, 3.2563e-01, 1.6214e+00],  
 [4.9949e-01, 2.5670e-05, 7.3460e-02],  
 [5.8048e-01, 1.2918e-04, 4.4037e-02],  
 [1.7672e-02, 2.2407e-07, 2.6967e-03],  
 [3.7165e+00, 5.8831e-05, 2.2249e-01],  
 [6.7893e+01, 9.5732e-01, 1.7159e+00],  
 [1.5736e+00, 6.3005e-04, 1.3699e-01],  
 [9.7564e+01, 4.6675e-01, 3.3010e+00],  
 [2.3972e+00, 6.9320e-05, 1.7318e-01],  
 [8.0554e+00, 2.5959e-02, 6.0380e-01],  
 [3.9300e-01, 1.4894e-05, 3.4323e-02],  
 [3.3677e-01, 7.8010e-05, 3.1121e-02],  
 [1.1051e-01, 5.6573e-06, 1.4027e-02],  
 [4.3287e+01, 1.5947e-01, 1.5348e+00],  
 [1.7583e+01, 1.8345e-01, 1.6228e+00],  
 [1.8829e+02, 2.7862e+00, 3.1461e+00],  
 [2.4552e+01, 7.1578e-02, 1.1956e+00],  
 [3.5816e+01, 8.0015e-02, 2.6057e+00],  
 [3.8254e+00, 8.3978e-03, 3.5143e-01],  
 [6.0354e-03, 5.0669e-08, 9.2506e-04],  
 [8.6622e-03, 9.2045e-09, 1.3265e-03],  
 [4.9676e-03, 4.6726e-08, 7.8515e-04],  
 [5.0911e+00, 6.0988e-04, 2.6984e-01],  
 [1.7739e+01, 7.3579e-03, 7.5519e-01],  
 [2.1553e+00, 1.2845e-03, 1.7081e-01],  
 [2.8661e+00, 2.0315e-03, 3.3464e-01],  
 [1.8145e-02, 3.8607e-07, 2.6766e-03],  
 [3.6300e-01, 5.8459e-06, 4.1351e-02],  
 [2.4446e+00, 2.9800e-04, 1.3771e-01],  
 [6.7114e-01, 2.9172e-04, 8.9708e-02],  
 [3.1007e+00, 3.2915e-04, 1.6090e-01],  
 [6.6698e+00, 2.3235e-03, 3.4180e-01],

[2.7434e+01, 1.2764e-01, 1.1331e+00],  
 [1.9897e+01, 2.4296e-01, 1.5244e+00],  
 [3.3085e+01, 1.9121e-01, 9.6047e-01],  
 [7.6913e-02, 8.5991e-07, 9.5017e-03],  
 [1.7668e+00, 8.8363e-04, 1.6830e-01],  
 [3.3224e-02, 6.2329e-07, 5.1929e-03],  
 [6.4766e-03, 1.4441e-08, 9.9719e-04],  
 [1.0411e+02, 2.1626e+00, 2.8951e+00],  
 [1.6503e-03, 2.6652e-10, 2.6434e-04],  
 [4.1374e+01, 1.4439e-01, 2.1214e+00],  
 [1.5133e+02, 1.1608e+00, 4.4624e+00],  
 [1.7227e+02, 3.0948e+00, 3.6490e+00],  
 [6.7587e+01, 1.2580e+00, 1.9533e+00],  
 [8.3555e-02, 6.2439e-06, 9.9100e-03],  
 [7.6932e+01, 4.8863e-01, 1.9082e+00],  
 [7.3859e+01, 7.0388e-01, 3.2484e+00],  
 [2.3626e+00, 3.6698e-04, 1.8510e-01],  
 [1.8562e+01, 6.8270e-02, 1.0312e+00],  
 [1.0398e+01, 3.9359e-02, 6.0407e-01],  
 [1.8107e+02, 7.6484e+00, 3.5780e+00],  
 [3.1522e-01, 6.8799e-05, 4.2381e-02],  
 [4.2900e-02, 2.6005e-07, 5.9776e-03],  
 [2.7481e+00, 1.4145e-03, 3.3023e-01],  
 [7.7313e-01, 1.5993e-04, 7.3411e-02],  
 [4.1279e+00, 3.5198e-03, 2.1418e-01],  
 [1.3293e+01, 1.5115e-02, 1.2133e+00],  
 [7.7367e-02, 7.8920e-07, 1.0864e-02],  
 [1.5393e+01, 1.1260e-01, 1.4430e+00],  
 [6.7316e+01, 3.7044e-01, 2.1114e+00],  
 [2.3530e-01, 1.5780e-05, 2.6285e-02],  
 [8.5050e+00, 5.9248e-03, 3.7199e-01],  
 [3.6827e-01, 6.3488e-05, 4.7481e-02],  
 [1.9582e+00, 2.7546e-04, 1.1372e-01],  
 [5.2090e+01, 2.1685e-01, 2.0154e+00],  
 [1.8538e+01, 1.7854e-01, 1.6625e+00],  
 [1.2366e+01, 2.1043e-02, 8.0672e-01],  
 [7.7873e+01, 4.9837e-01, 3.4670e+00],  
 [2.3341e+00, 2.2692e-03, 2.2696e-01],  
 [7.2243e+00, 1.7862e-02, 5.4741e-01],  
 [2.0066e-02, 1.9759e-07, 3.1064e-03],  
 [2.5080e+00, 2.1577e-03, 1.7789e-01],  
 [1.7168e+00, 2.0016e-04, 1.5490e-01],  
 [2.6828e+01, 4.6306e-01, 1.8604e+00],  
 [9.9866e+00, 7.5717e-02, 7.7387e-01],  
 [2.2864e+02, 4.2597e+00, 4.3966e+00],  
 [1.7724e+01, 1.3035e-01, 7.5217e-01],  
 [9.1025e+01, 3.2853e-01, 2.6878e+00],  
 [1.6923e+00, 8.2674e-04, 1.4050e-01],



[8.2859e+01, 9.3109e-02, 1.6209e+00],  
 [1.9458e+01, 2.4233e-02, 7.3956e-01],  
 [6.6071e+00, 8.8694e-03, 3.2701e-01],  
 [1.4344e+00, 3.3549e-04, 1.3138e-01],  
 [1.9252e+00, 1.6922e-03, 2.5710e-01],  
 [4.3937e+00, 7.4200e-04, 1.8207e-01],  
 [6.7688e+00, 2.5057e-02, 5.8520e-01],  
 [1.8773e+02, 5.2979e+00, 4.3167e+00],  
 [1.9460e+01, 5.0393e-02, 8.9206e-01],  
 [4.9393e+00, 1.8504e-03, 5.9882e-01],  
 [4.2381e+01, 6.6135e-01, 1.7412e+00],  
 [2.0380e-02, 6.9677e-08, 2.8939e-03],  
 [1.2108e+02, 5.8132e-01, 3.4489e+00],  
 [4.0575e-01, 5.3356e-05, 4.7059e-02],  
 [1.5039e+02, 2.6331e+00, 3.4335e+00],  
 [3.0150e+01, 2.3239e-01, 1.1783e+00],  
 [4.2390e+00, 1.5980e-03, 1.8039e-01],  
 [1.0516e+02, 1.3990e+00, 2.4231e+00],  
 [7.5157e-01, 1.0088e-04, 1.0726e-01],  
 [1.3338e+00, 2.1657e-04, 1.3568e-01],  
 [1.4277e+00, 2.0539e-04, 1.4528e-01],  
 [2.6144e-01, 5.2539e-05, 3.5592e-02],  
 [7.6192e+00, 5.2002e-03, 6.2152e-01],  
 [2.0884e+02, 4.6811e+00, 3.1526e+00],  
 [3.0682e+01, 1.0580e-01, 1.3134e+00],  
 [1.3403e+01, 2.1341e-02, 6.0627e-01],  
 [5.6779e+00, 3.3097e-03, 2.8785e-01],  
 [2.8073e+00, 1.6511e-03, 1.8173e-01],  
 [8.4582e+01, 9.1274e-02, 3.4769e+00],  
 [1.6216e+00, 8.6215e-04, 1.6689e-01],  
 [2.0135e-01, 6.5430e-07, 2.0026e-02],  
 [1.1937e+01, 5.7053e-02, 5.4061e-01],  
 [2.1105e+01, 1.4692e-01, 1.5290e+00],  
 [1.2582e+00, 1.9747e-03, 1.5633e-01],  
 [3.2704e+01, 2.7452e-01, 8.9556e-01],  
 [5.8276e+00, 2.2273e-03, 2.9164e-01],  
 [9.2565e+01, 4.0631e-01, 3.3199e+00],  
 [9.0658e+01, 1.4892e-01, 2.2387e+00],  
 [7.7008e+01, 1.4329e-01, 1.6353e+00],  
 [6.4774e+00, 7.0096e-03, 3.7052e-01],  
 [1.0297e-01, 3.5652e-06, 1.1915e-02],  
 [9.8956e+01, 6.2184e-01, 4.2709e+00],  
 [1.7947e-01, 7.8155e-06, 2.2223e-02],  
 [1.0599e+00, 5.2317e-04, 1.0700e-01],  
 [9.0505e-02, 5.2249e-06, 1.1823e-02],  
 [1.3376e+00, 2.2176e-04, 1.2016e-01],  
 [1.6392e+02, 1.4003e+00, 3.4151e+00],  
 [1.6732e-01, 7.1110e-06, 1.7520e-02],

```

[2.2641e+00, 2.7095e-04, 1.1292e-01],
[2.2344e+00, 1.8079e-03, 1.4514e-01],
[6.0219e+00, 6.2851e-03, 5.0210e-01],
[1.8558e-01, 3.1415e-05, 2.3845e-02]], dtype=torch.float64)
Iteration: 33
Inputs: tensor([[2.4595e+20, 2.1820e+02, 1.3570e+01, 5.5671e+00],
[1.9212e+19, 3.1219e+02, 5.5396e+00, 2.0067e+00],
[2.2070e+20, 3.9650e+02, 5.2653e+00, 1.1756e+00],
...,
[4.5141e+18, 1.6596e+02, 1.9926e+00, 6.0222e+00],
[1.3143e+20, 2.2913e+02, 1.7090e+01, 4.3286e+00],
[1.5726e+20, 2.3290e+02, 8.4857e+00, 9.9434e+00]], dtype=torch.float64)
Target: tensor([[4.5892e+01, 3.5780e-01, 2.0269e+00],
[5.1378e+00, 8.0140e-04, 3.4059e-01],
[4.7865e+01, 2.6091e-02, 1.9679e+00],
[6.0540e-02, 7.0089e-07, 8.5922e-03],
[6.8606e+00, 8.9205e-03, 3.0205e-01],
[1.7671e+01, 3.9694e-02, 5.2451e-01],
[9.2649e+00, 2.8239e-02, 8.1080e-01],
[2.1652e+01, 6.3254e-02, 7.3598e-01],
[3.1291e+01, 1.5280e-01, 9.4404e-01],
[1.2354e+02, 3.5810e+00, 4.0816e+00],
[1.1582e+00, 2.1040e-04, 1.2856e-01],
[2.3851e-01, 1.9506e-05, 2.5581e-02],
[1.5898e-03, 2.9763e-09, 2.5532e-04],
[2.2635e+00, 4.6118e-04, 1.6478e-01],
[1.3788e+01, 3.5807e-02, 6.4304e-01],
[3.6030e-01, 3.8408e-05, 3.5822e-02],
[5.6449e+00, 5.2961e-03, 3.7072e-01],
[1.6331e+02, 3.0760e+00, 3.8074e+00],
[8.8032e+00, 1.8025e-02, 9.8287e-01],
[6.7870e+00, 1.9761e-02, 6.9511e-01],
[7.4402e+00, 1.2539e-02, 3.8730e-01],
[4.4350e+01, 1.8363e-02, 2.0917e+00],
[9.2613e-02, 5.3935e-06, 1.1633e-02],
[2.1415e+01, 8.0046e-02, 1.1137e+00],
[1.3742e+02, 8.6027e-01, 4.1643e+00],
[1.8400e+02, 3.6329e+00, 3.5225e+00],
[3.9243e-02, 2.4862e-06, 5.6756e-03],
[4.8440e+01, 1.2811e-01, 1.5034e+00],
[2.0800e+01, 9.7711e-02, 9.6609e-01],
[2.8156e+00, 2.2697e-04, 2.1147e-01],
[1.7975e-01, 9.7625e-06, 2.2337e-02],
[4.8822e-03, 1.2563e-08, 7.6468e-04],
[4.7691e+01, 1.0662e-01, 2.5617e+00],
[9.0690e+00, 1.7822e-02, 5.0067e-01],
[7.3956e+00, 4.5905e-03, 4.3526e-01],
[2.4753e+01, 3.6320e-02, 9.0756e-01],

```

[7.9097e+00, 6.5869e-03, 8.9866e-01],  
 [4.6483e+01, 1.5239e-01, 2.9123e+00],  
 [1.0696e+00, 2.3675e-04, 7.4371e-02],  
 [1.7343e+01, 3.8539e-03, 6.7116e-01],  
 [3.5894e-02, 3.1279e-07, 4.8521e-03],  
 [9.2137e+00, 8.7097e-03, 3.5028e-01],  
 [2.9928e+00, 1.5388e-03, 2.7917e-01],  
 [8.5460e+00, 7.3014e-03, 4.5472e-01],  
 [2.7419e-01, 2.3632e-05, 4.1263e-02],  
 [1.2535e+01, 8.9174e-02, 1.1543e+00],  
 [1.7553e+00, 2.6716e-04, 1.2803e-01],  
 [5.2362e+01, 8.5839e-01, 3.1071e+00],  
 [9.0871e+00, 2.7844e-02, 7.0108e-01],  
 [3.5317e+01, 2.9786e-01, 1.6957e+00],  
 [4.6979e+01, 6.7726e-01, 1.5248e+00],  
 [1.6417e+02, 1.5017e+00, 4.3117e+00],  
 [1.2271e+01, 1.5087e-02, 4.9638e-01],  
 [1.6742e+00, 6.9164e-04, 9.8934e-02],  
 [1.7828e+01, 8.5992e-02, 7.2311e-01],  
 [5.2595e+00, 3.8116e-03, 6.4838e-01],  
 [5.1146e+01, 5.5819e-01, 1.6662e+00],  
 [4.3354e-01, 3.1658e-05, 4.6263e-02],  
 [7.3284e+01, 1.1171e-01, 3.0569e+00],  
 [1.7175e+02, 1.5125e+00, 4.3927e+00],  
 [4.7161e+00, 3.2800e-04, 3.4703e-01],  
 [9.8486e-04, 1.1685e-10, 1.6124e-04],  
 [4.6865e+00, 6.6019e-03, 2.5332e-01],  
 [1.0762e+02, 7.3449e-01, 2.2641e+00],  
 [4.9181e-03, 3.0264e-08, 7.5978e-04],  
 [4.1752e+00, 7.5977e-03, 2.6928e-01],  
 [2.0531e+02, 4.6081e+00, 4.1736e+00],  
 [1.5075e+00, 5.3007e-04, 1.4983e-01],  
 [7.6422e-01, 1.7231e-04, 5.8960e-02],  
 [8.2803e-01, 8.6492e-05, 5.5553e-02],  
 [6.3092e+00, 8.6922e-03, 3.5286e-01],  
 [1.4284e+01, 3.8116e-02, 7.8793e-01],  
 [1.3858e+01, 6.0937e-02, 8.8676e-01],  
 [2.2945e-01, 1.5507e-05, 2.6029e-02],  
 [5.5205e+00, 5.5900e-04, 2.2218e-01],  
 [1.7555e+01, 9.1231e-02, 1.1506e+00],  
 [5.0678e+01, 1.6205e-01, 3.2112e+00],  
 [9.2007e+00, 1.0836e-02, 5.2227e-01],  
 [3.5709e-01, 5.3660e-05, 3.3604e-02],  
 [9.0710e-01, 1.0675e-04, 8.0653e-02],  
 [1.8772e+01, 3.1226e-02, 6.3174e-01],  
 [1.8093e+00, 5.5306e-04, 1.5580e-01],  
 [5.4199e+01, 4.1280e-01, 2.0448e+00],  
 [5.3242e+01, 7.8895e-01, 2.2529e+00],

[3.3020e+01, 3.4587e-01, 1.0109e+00],  
 [5.1407e+00, 1.0737e-02, 4.6220e-01],  
 [3.4521e-01, 4.5571e-06, 3.0398e-02],  
 [7.5406e-01, 3.0741e-04, 8.3712e-02],  
 [7.7788e+00, 9.2020e-03, 5.3140e-01],  
 [5.5127e+00, 4.2362e-03, 3.4459e-01],  
 [5.6512e+01, 2.0112e-01, 3.1525e+00],  
 [6.4050e-01, 1.0240e-04, 7.5219e-02],  
 [1.2567e+01, 5.7318e-02, 7.0908e-01],  
 [3.5548e+00, 2.7580e-03, 3.8727e-01],  
 [1.1973e+02, 1.1350e+00, 3.7302e+00],  
 [1.4766e+01, 1.8955e-02, 4.7135e-01],  
 [3.2529e-01, 3.7102e-05, 3.3115e-02],  
 [1.2018e+00, 2.9647e-04, 1.6435e-01],  
 [7.2377e+00, 2.9691e-02, 5.5530e-01],  
 [3.7203e-01, 4.7715e-05, 3.2979e-02],  
 [2.3227e+01, 3.8840e-02, 9.0545e-01],  
 [3.1780e+01, 2.5104e-01, 1.1594e+00],  
 [1.9735e+01, 1.2431e-02, 5.7280e-01],  
 [3.7600e-01, 5.8284e-06, 4.3633e-02],  
 [5.9447e+01, 6.6169e-01, 2.1901e+00],  
 [5.9008e+01, 6.6019e-01, 2.7425e+00],  
 [2.0680e+00, 8.0358e-04, 1.3105e-01],  
 [5.8971e+00, 6.4003e-03, 4.2740e-01],  
 [1.6967e+00, 6.2212e-04, 1.4428e-01],  
 [8.5468e-01, 8.5354e-06, 7.2278e-02],  
 [8.8369e-01, 1.3311e-04, 8.2166e-02],  
 [2.6414e+00, 1.1194e-03, 2.2444e-01],  
 [7.6224e+00, 4.5222e-02, 7.0423e-01],  
 [9.1182e-01, 1.6884e-04, 7.0897e-02],  
 [1.4231e+01, 7.7482e-02, 1.2882e+00],  
 [1.0297e+01, 1.6786e-02, 5.4347e-01],  
 [8.5513e-02, 2.6553e-06, 1.0215e-02],  
 [1.7954e+02, 5.5478e+00, 4.3197e+00],  
 [1.2213e+00, 7.0676e-04, 1.0367e-01],  
 [2.9249e+00, 1.1204e-03, 2.6119e-01],  
 [4.9172e+01, 2.4507e-01, 9.5988e-01],  
 [1.5415e+00, 7.5545e-04, 1.1785e-01],  
 [7.0125e+01, 1.6917e-01, 2.5642e+00],  
 [1.2965e+00, 7.9661e-04, 1.4205e-01],  
 [3.8194e-01, 1.2941e-05, 3.3139e-02],  
 [6.0739e+00, 2.7172e-03, 4.3197e-01],  
 [1.6867e+01, 1.6694e-02, 9.8732e-01],  
 [1.8856e+01, 1.9141e-02, 8.1886e-01],  
 [1.1141e+00, 6.1107e-04, 8.4127e-02],  
 [1.3023e-01, 5.1090e-06, 1.8241e-02],  
 [6.4445e+00, 8.4887e-03, 3.2037e-01],  
 [1.2562e+01, 3.4749e-02, 5.9068e-01],

[2.0008e+02, 4.6694e+00, 4.3360e+00],  
 [5.2298e+01, 1.2284e-01, 3.1291e+00],  
 [3.9410e+00, 2.1375e-03, 2.6092e-01],  
 [5.2530e-02, 1.8109e-06, 7.6607e-03],  
 [2.1316e-01, 7.5545e-06, 2.6057e-02],  
 [3.4536e+02, 1.4294e+01, 4.7720e+00],  
 [8.0710e+00, 2.8815e-02, 5.1909e-01],  
 [1.6419e-01, 8.4250e-06, 2.4293e-02],  
 [1.1196e+02, 1.7479e+00, 2.9723e+00],  
 [1.2954e-01, 8.3272e-06, 1.8064e-02],  
 [1.6552e+02, 6.8243e-01, 4.1543e+00],  
 [9.8934e+00, 1.2204e-02, 5.6251e-01],  
 [1.0840e+00, 8.8032e-05, 9.7269e-02],  
 [2.6430e+01, 2.1309e-03, 1.0764e+00],  
 [2.1718e-01, 2.9756e-05, 2.9611e-02],  
 [1.6928e+01, 2.3538e-02, 9.2725e-01],  
 [7.0290e-02, 8.4014e-07, 9.2619e-03],  
 [1.1310e+00, 1.4753e-04, 8.4562e-02],  
 [4.1848e+00, 2.6926e-03, 2.9088e-01],  
 [9.8457e-01, 1.8971e-04, 1.2267e-01],  
 [3.0738e-01, 3.9638e-05, 3.6433e-02],  
 [4.4107e+01, 2.2958e-01, 1.7376e+00],  
 [6.4636e+01, 3.9019e-01, 1.2958e+00],  
 [9.3084e-01, 8.9422e-05, 1.0614e-01],  
 [3.9280e-02, 5.0331e-07, 6.1880e-03],  
 [1.8484e+01, 9.6366e-02, 1.2252e+00],  
 [1.9258e+01, 1.1075e-01, 1.3389e+00],  
 [1.7723e+01, 8.2764e-03, 6.1033e-01],  
 [3.6432e+01, 1.0712e-01, 1.0293e+00],  
 [2.7431e+01, 6.8155e-02, 2.2713e+00],  
 [1.0673e+02, 5.3065e-01, 3.9241e+00],  
 [2.3165e-01, 8.6814e-06, 2.9321e-02],  
 [3.6635e-01, 4.8052e-05, 4.0845e-02],  
 [1.8812e-01, 8.1219e-06, 2.0658e-02],  
 [2.5774e+00, 8.1070e-04, 1.3186e-01],  
 [1.1420e+02, 3.0384e-01, 2.9386e+00],  
 [8.4006e+00, 1.3371e-02, 4.7560e-01],  
 [2.9996e-01, 2.7796e-05, 3.0870e-02],  
 [1.8639e+01, 3.3444e-02, 8.0242e-01],  
 [8.1035e+01, 1.6144e-01, 2.3064e+00],  
 [3.9618e+01, 2.7388e-01, 1.0154e+00],  
 [6.2953e+01, 3.9572e-01, 1.5400e+00],  
 [3.1167e-01, 2.0984e-05, 4.2226e-02],  
 [1.4834e+00, 6.0289e-04, 1.2106e-01],  
 [1.0225e+01, 5.4685e-02, 7.2800e-01],  
 [7.3646e-01, 3.0569e-04, 6.6326e-02],  
 [6.9053e+01, 2.9728e-01, 1.7102e+00],  
 [1.8600e+02, 4.0298e+00, 4.2305e+00],

[4.8496e-02, 2.6568e-06, 6.6990e-03],  
 [1.4145e+02, 2.3834e+00, 4.0500e+00],  
 [2.4199e+01, 1.5605e-01, 1.8376e+00],  
 [1.3325e+02, 3.5033e+00, 3.7154e+00],  
 [7.2419e+01, 7.6360e-01, 2.5477e+00],  
 [1.0516e+02, 5.3590e-02, 3.1286e+00],  
 [1.8493e-01, 6.9820e-06, 2.1896e-02],  
 [1.2491e+01, 2.5005e-02, 4.6966e-01],  
 [1.7496e-02, 3.3719e-08, 2.6122e-03],  
 [2.2158e-01, 3.9505e-06, 3.0392e-02],  
 [2.6561e+01, 6.0081e-02, 7.4868e-01],  
 [7.7662e+01, 7.8450e-02, 2.3391e+00],  
 [1.9774e+00, 1.0317e-03, 1.5560e-01],  
 [6.8791e+01, 2.7351e-01, 1.6997e+00],  
 [3.8771e+00, 2.5331e-04, 2.3373e-01],  
 [4.8596e+00, 2.2296e-04, 2.2493e-01],  
 [6.8150e+00, 1.3958e-02, 4.1499e-01],  
 [1.3475e+00, 4.8002e-04, 9.4899e-02],  
 [9.4719e-01, 3.3448e-05, 8.9137e-02],  
 [2.2693e+02, 3.2243e+00, 3.9820e+00],  
 [5.1135e+00, 4.1835e-03, 3.3760e-01],  
 [7.6495e+01, 3.1966e-01, 3.1800e+00],  
 [1.9244e+01, 9.7682e-02, 7.4687e-01],  
 [4.3802e-02, 1.2711e-07, 6.4064e-03],  
 [2.9166e+01, 2.1448e-01, 1.6297e+00],  
 [1.8710e+01, 4.7156e-02, 9.7803e-01],  
 [4.6859e+00, 1.1562e-02, 4.6383e-01],  
 [2.2997e+01, 4.9999e-02, 1.6788e+00],  
 [9.4696e-01, 4.7320e-05, 1.0825e-01],  
 [1.1148e+02, 1.0773e+00, 2.1435e+00],  
 [7.0833e-01, 1.0016e-04, 1.0282e-01],  
 [2.6768e+00, 1.4294e-03, 1.9439e-01],  
 [4.1912e+01, 1.3470e-01, 2.2176e+00],  
 [2.0134e+01, 7.5877e-02, 8.6563e-01],  
 [1.4291e-02, 4.0813e-08, 2.1452e-03],  
 [2.0249e-01, 2.1943e-06, 2.1596e-02],  
 [7.5631e+01, 1.1405e+00, 1.7109e+00],  
 [3.8564e+01, 6.5634e-02, 9.2382e-01],  
 [9.0824e-02, 1.2662e-07, 1.1181e-02],  
 [5.2274e+00, 1.4724e-02, 5.5351e-01],  
 [1.7602e-01, 1.0102e-05, 2.6135e-02],  
 [3.5275e-01, 6.7163e-05, 4.2252e-02],  
 [1.1721e+01, 2.6835e-02, 1.1218e+00],  
 [1.5768e+01, 7.5368e-03, 5.7438e-01],  
 [1.2839e+01, 2.6250e-02, 5.4807e-01],  
 [5.8018e-01, 8.9708e-05, 7.1222e-02],  
 [6.4094e+01, 5.0442e-01, 1.6198e+00],  
 [5.9573e-01, 1.8217e-04, 5.2540e-02],

[1.2556e+01, 5.9400e-03, 8.0007e-01],  
 [3.4854e+01, 3.2542e-01, 1.0509e+00],  
 [3.4640e+01, 1.2640e-02, 1.3299e+00],  
 [5.4989e+01, 8.6814e-01, 2.8175e+00],  
 [6.9247e+00, 6.8276e-04, 2.7756e-01],  
 [1.9668e+01, 8.1852e-03, 8.1832e-01],  
 [6.5552e+00, 1.1447e-03, 3.3162e-01],  
 [3.6976e+00, 5.7062e-03, 3.5867e-01],  
 [2.5756e+01, 2.9845e-02, 2.1285e+00],  
 [4.3191e-02, 1.0061e-06, 6.3650e-03],  
 [6.1942e+01, 1.6890e-01, 2.1919e+00],  
 [6.1630e+01, 4.0581e-01, 1.8773e+00],  
 [1.2234e-01, 5.3538e-06, 1.7418e-02],  
 [9.0034e+00, 8.9195e-03, 6.6476e-01],  
 [1.2251e+02, 1.6168e+00, 3.3142e+00],  
 [1.8694e+00, 1.2948e-03, 1.9889e-01],  
 [4.5059e+00, 2.2631e-03, 3.9790e-01],  
 [7.9541e+01, 1.4680e-01, 2.8397e+00],  
 [2.7716e+01, 1.8888e-01, 1.0067e+00],  
 [2.4490e+00, 9.1274e-04, 1.7655e-01],  
 [6.6271e+01, 7.9338e-01, 2.3400e+00],  
 [2.5222e+00, 5.3080e-04, 2.4127e-01],  
 [1.9158e-01, 1.0784e-06, 2.0607e-02],  
 [3.7074e+00, 1.5834e-03, 2.4133e-01],  
 [9.9758e-02, 1.1899e-06, 1.2306e-02],  
 [1.2358e+00, 7.9662e-04, 1.2514e-01],  
 [1.1190e+02, 1.0296e+00, 2.9129e+00],  
 [2.7059e+01, 6.8528e-02, 7.6469e-01],  
 [2.9094e+01, 5.2903e-02, 2.3222e+00],  
 [7.6741e+00, 1.0876e-02, 7.1446e-01],  
 [1.6461e+01, 2.7378e-02, 6.0376e-01],  
 [1.3951e+01, 4.0096e-02, 6.5525e-01],  
 [3.6028e+01, 8.9272e-02, 1.8920e+00],  
 [3.5887e+00, 8.3703e-04, 3.4214e-01],  
 [1.7844e-01, 2.3490e-05, 2.4918e-02],  
 [2.8439e+00, 2.4789e-04, 2.4278e-01],  
 [2.4815e+00, 1.6084e-04, 1.3552e-01],  
 [9.0383e+01, 6.5230e-01, 1.9123e+00],  
 [1.6759e+01, 6.1901e-02, 6.9596e-01],  
 [1.6836e-03, 4.6735e-10, 2.7049e-04],  
 [1.1129e+02, 1.2634e+00, 3.7436e+00],  
 [4.6632e-02, 4.7883e-07, 6.3273e-03],  
 [2.2637e+00, 6.8837e-04, 1.5109e-01],  
 [6.0132e-01, 1.9706e-04, 6.1354e-02],  
 [1.4439e+01, 6.9666e-02, 9.2824e-01],  
 [4.9850e+00, 1.4384e-03, 3.7842e-01],  
 [4.3168e+01, 6.1324e-01, 2.2446e+00],  
 [5.2162e+01, 1.6309e-01, 2.6052e+00],

```

[1.0212e+01, 3.0145e-03, 7.5987e-01],
[7.3709e-01, 6.8008e-04, 9.7337e-02],
[1.1145e+02, 1.7442e+00, 3.5960e+00],
[1.3145e+01, 5.4432e-03, 8.2282e-01],
[2.7017e+00, 1.6932e-03, 2.3304e-01],
[6.4834e+00, 1.2684e-03, 3.7866e-01],
[8.6029e-03, 3.6458e-08, 1.2957e-03],
[9.8962e+00, 7.8714e-03, 4.3846e-01],
[1.0575e+02, 1.8352e+00, 4.0432e+00],
[1.3162e-01, 8.6837e-06, 1.5201e-02],
[2.0323e-01, 6.1227e-06, 2.2196e-02],
[2.9538e+00, 4.9961e-03, 2.5975e-01],
[1.8471e-01, 8.1404e-07, 2.1339e-02],
[1.0128e+01, 2.5597e-03, 6.5086e-01],
[9.1011e-01, 3.0067e-04, 9.6428e-02],
[1.2304e+01, 4.1301e-02, 8.1643e-01],
[3.2734e-01, 7.3798e-05, 3.0403e-02],
[3.8608e+00, 2.2819e-03, 3.6314e-01],
[1.9492e+01, 6.1435e-03, 5.6012e-01],
[6.1072e-02, 1.1734e-06, 8.6282e-03],
[6.2424e+00, 1.5509e-03, 2.2744e-01],
[3.9262e+01, 1.1156e-01, 1.5378e+00],
[7.3775e+00, 5.0308e-03, 3.5677e-01],
[7.7202e+01, 1.0262e+00, 2.4874e+00],
[1.7209e+00, 1.0586e-03, 1.2438e-01],
[1.2080e-01, 6.9722e-06, 1.6194e-02],
[1.1067e+02, 3.4864e-01, 4.2684e+00],
[1.1147e+02, 1.6424e+00, 2.6607e+00],
[6.7380e-01, 5.2264e-05, 5.9846e-02],
[1.0197e+00, 1.9227e-03, 1.3507e-01],
[9.7419e+00, 9.7684e-03, 5.2464e-01],
[1.9008e+02, 6.7843e+00, 4.1159e+00],
[2.9373e+01, 1.2259e-01, 8.8329e-01],
[7.4655e+00, 6.7727e-03, 3.9134e-01],
[8.9537e+00, 4.3999e-03, 3.2917e-01],
[2.8206e+02, 3.6969e+00, 4.3322e+00],
[1.9578e+01, 2.2515e-02, 6.7080e-01],
[3.6458e-02, 3.9687e-07, 5.5231e-03],
[3.6171e-01, 1.2822e-05, 4.3341e-02],
[2.2314e+00, 3.2360e-04, 1.6917e-01],
[2.6399e-01, 1.4256e-05, 2.5893e-02],
[1.1321e+00, 1.3501e-04, 9.2719e-02],
[2.0734e+01, 8.4802e-02, 1.2132e+00],
[5.6858e+01, 7.7800e-01, 1.7727e+00]], dtype=torch.float64)

```

Iteration: 34

```

Inputs: tensor([[1.0550e+18, 2.9371e+02, 1.4099e+01, 7.2957e+00],
               [1.3849e+19, 2.8398e+02, 1.9197e+01, 1.5330e+00],
               [5.0646e+18, 2.3260e+02, 5.7337e+00, 2.4852e+00],

```



```

...,
[1.2156e+18, 1.2932e+02, 1.0900e+01, 9.4396e+00],
[2.7725e+19, 4.5270e+02, 7.5412e+00, 9.1348e+00],
[3.3686e+20, 1.2544e+02, 1.9656e+01, 7.6349e+00]], dtype=torch.float64)
Target: tensor([[8.6319e-02, 4.4567e-06, 1.0233e-02],
[3.6808e-01, 2.3756e-05, 4.7971e-02],
[5.9287e-01, 2.2278e-05, 6.1561e-02],
[3.8194e+01, 7.4399e-02, 2.8008e+00],
[4.9013e-01, 9.7670e-05, 4.4397e-02],
[4.0363e+00, 2.1675e-02, 5.1908e-01],
[9.0300e+01, 4.4816e-01, 1.9888e+00],
[1.6322e-01, 2.4847e-05, 2.2639e-02],
[1.5099e+01, 1.4483e-02, 5.1041e-01],
[7.1920e+00, 5.4494e-03, 4.7405e-01],
[5.4689e+01, 7.2629e-01, 1.5000e+00],
[3.9315e+00, 2.9793e-03, 2.5225e-01],
[7.8885e-01, 1.1633e-04, 6.9449e-02],
[7.3893e+00, 5.8704e-03, 3.4627e-01],
[4.4772e+01, 7.3158e-01, 1.6512e+00],
[6.5144e-02, 3.2277e-06, 9.3714e-03],
[1.8648e-01, 1.3943e-05, 2.6618e-02],
[1.8553e+00, 3.5799e-04, 1.7513e-01],
[4.9462e+00, 6.0277e-03, 3.5185e-01],
[3.8866e-01, 1.1662e-06, 3.3876e-02],
[1.7148e+02, 4.9267e+00, 4.5721e+00],
[5.2004e+01, 7.4042e-02, 1.9644e+00],
[2.5703e+00, 2.3203e-04, 1.9171e-01],
[6.6182e-01, 8.2861e-05, 6.5419e-02],
[2.1954e-02, 1.5824e-07, 3.2901e-03],
[2.8759e+00, 6.5146e-04, 2.1533e-01],
[4.5866e+00, 3.0473e-03, 2.4574e-01],
[1.8408e-01, 1.8555e-06, 2.6384e-02],
[5.1961e-02, 8.7844e-07, 7.0569e-03],
[8.7600e-01, 1.7537e-04, 8.1498e-02],
[1.8998e+02, 1.4826e+00, 4.5375e+00],
[4.8300e-02, 1.7090e-06, 6.4357e-03],
[5.3334e+00, 2.6761e-04, 3.1803e-01],
[4.5750e+00, 2.4601e-03, 2.1091e-01],
[1.6740e+00, 1.0895e-04, 1.3154e-01],
[1.9528e-03, 3.7485e-09, 3.1351e-04],
[3.1939e-01, 7.7698e-05, 3.1408e-02],
[1.5295e+01, 7.0274e-02, 1.2830e+00],
[2.5558e+01, 4.5558e-02, 7.0584e-01],
[2.9896e+00, 6.1233e-03, 2.5197e-01],
[5.3697e+01, 2.1514e-01, 2.2978e+00],
[1.1749e+02, 3.3563e-01, 4.4997e+00],
[1.2870e-02, 2.4086e-08, 1.9599e-03],
[6.3984e-01, 2.4690e-04, 8.2369e-02],

```

[7.5085e-01, 1.7627e-04, 7.1597e-02],  
 [3.1182e+01, 2.4935e-01, 1.3960e+00],  
 [1.6303e+01, 4.0142e-02, 1.1205e+00],  
 [6.4500e+00, 4.6663e-03, 5.0174e-01],  
 [2.5276e+02, 6.0312e+00, 4.0229e+00],  
 [1.5529e+01, 8.3450e-02, 6.5315e-01],  
 [1.5864e-01, 2.6657e-05, 1.9533e-02],  
 [1.2423e+02, 1.8650e+00, 2.8336e+00],  
 [2.3991e+01, 1.8107e-01, 1.0629e+00],  
 [1.3966e+01, 2.8972e-02, 7.5804e-01],  
 [1.2563e+01, 2.7926e-02, 6.1668e-01],  
 [1.9016e+01, 1.4039e-01, 1.0878e+00],  
 [2.7735e+01, 1.8164e-01, 2.2425e+00],  
 [6.3977e+01, 7.6594e-01, 3.0182e+00],  
 [1.8706e-02, 4.5292e-08, 2.9157e-03],  
 [3.2527e-02, 1.8262e-07, 4.5942e-03],  
 [5.7988e-01, 9.2615e-05, 5.9603e-02],  
 [6.9541e-02, 1.6865e-06, 9.4688e-03],  
 [1.0070e+02, 1.0532e+00, 3.0649e+00],  
 [2.2434e-01, 1.9558e-05, 2.3213e-02],  
 [2.4109e+00, 2.7092e-04, 2.1759e-01],  
 [1.2539e+00, 2.6325e-04, 1.0027e-01],  
 [4.1086e+00, 2.0101e-03, 2.9930e-01],  
 [8.7477e+01, 7.9165e-01, 3.0535e+00],  
 [1.6310e+00, 6.7910e-04, 1.2370e-01],  
 [5.1457e+00, 8.6969e-03, 3.4874e-01],  
 [1.3162e+02, 2.0048e+00, 2.3030e+00],  
 [6.1637e-01, 1.4633e-04, 6.6218e-02],  
 [2.5686e+01, 4.4111e-02, 1.5201e+00],  
 [9.0025e-02, 5.1641e-06, 1.2221e-02],  
 [3.9508e-02, 9.9426e-07, 5.7988e-03],  
 [9.1011e-01, 3.7398e-04, 9.1036e-02],  
 [5.4992e+01, 4.2308e-01, 2.7471e+00],  
 [1.2370e-01, 5.5894e-06, 1.4081e-02],  
 [2.1586e+01, 9.7579e-03, 6.3873e-01],  
 [5.0576e-02, 1.9865e-07, 6.8160e-03],  
 [6.2749e-01, 2.9243e-04, 6.8278e-02],  
 [1.4686e+00, 7.0119e-04, 1.1656e-01],  
 [3.2410e+00, 9.1829e-05, 2.1047e-01],  
 [4.7129e+00, 1.3199e-03, 5.4843e-01],  
 [1.0410e-01, 1.0703e-05, 1.3787e-02],  
 [1.8067e-02, 4.9436e-08, 2.7441e-03],  
 [2.0142e+01, 2.5669e-02, 8.1354e-01],  
 [1.3213e+01, 1.1724e-02, 6.5842e-01],  
 [6.0223e+01, 3.9698e-01, 2.3810e+00],  
 [1.2260e+02, 1.6943e+00, 3.0681e+00],  
 [3.6560e-02, 9.0070e-07, 5.4915e-03],  
 [3.2380e-01, 2.7591e-05, 4.0638e-02],

[8.6123e-01, 1.2389e-04, 8.0979e-02],  
 [1.3150e+02, 1.4442e+00, 4.2616e+00],  
 [1.0364e+00, 1.7317e-04, 1.0618e-01],  
 [1.3987e+02, 6.8727e+00, 4.3492e+00],  
 [4.2627e-01, 5.0123e-05, 6.2322e-02],  
 [5.6079e+01, 1.4051e-01, 1.3894e+00],  
 [4.0396e-02, 5.8916e-07, 5.6536e-03],  
 [1.8287e-01, 2.0797e-05, 2.1257e-02],  
 [3.5588e-01, 5.1113e-05, 4.3570e-02],  
 [1.3887e+01, 5.0952e-03, 4.4998e-01],  
 [3.3745e+00, 2.9724e-03, 2.8608e-01],  
 [2.4731e-01, 1.8409e-05, 3.2766e-02],  
 [2.7640e+00, 1.1987e-03, 2.5147e-01],  
 [2.7493e+00, 1.8871e-03, 2.7556e-01],  
 [9.1923e-01, 5.7436e-04, 1.2405e-01],  
 [2.0144e+01, 1.5295e-01, 8.0689e-01],  
 [5.1889e+01, 7.3721e-01, 1.6845e+00],  
 [4.2708e+00, 1.7153e-02, 4.7508e-01],  
 [5.6006e+00, 1.1750e-02, 3.0484e-01],  
 [5.8644e+00, 3.1317e-03, 4.5157e-01],  
 [1.2112e+00, 8.0693e-05, 1.5037e-01],  
 [2.7912e-01, 6.4262e-05, 2.9258e-02],  
 [3.9217e+01, 6.4677e-02, 1.0645e+00],  
 [9.2072e+00, 8.7244e-03, 5.0711e-01],  
 [3.2138e-01, 4.2964e-05, 3.4347e-02],  
 [1.1247e-01, 4.9894e-06, 1.2940e-02],  
 [3.6752e+01, 1.9639e-01, 1.7570e+00],  
 [7.4755e+00, 1.5813e-03, 7.9452e-01],  
 [3.9447e+01, 1.0601e-01, 1.9822e+00],  
 [1.0072e+01, 3.3063e-02, 7.1844e-01],  
 [9.8008e+00, 3.4663e-02, 7.4286e-01],  
 [1.4513e+02, 2.1953e+00, 3.9335e+00],  
 [2.8382e+00, 1.4965e-03, 2.1182e-01],  
 [1.2854e+02, 4.8528e+00, 3.3850e+00],  
 [7.8808e+00, 2.1345e-03, 2.9684e-01],  
 [1.6033e+01, 6.7395e-02, 1.2782e+00],  
 [1.2546e-01, 3.3878e-06, 1.7484e-02],  
 [6.9711e+01, 4.0506e-01, 3.2121e+00],  
 [1.1250e+01, 3.7376e-02, 6.8222e-01],  
 [9.2310e+00, 2.7242e-02, 7.0224e-01],  
 [2.0228e+01, 3.4254e-02, 9.1920e-01],  
 [1.8344e-01, 1.5551e-05, 2.1219e-02],  
 [1.8058e-01, 7.1528e-06, 2.4815e-02],  
 [2.1449e+00, 1.3512e-03, 1.5829e-01],  
 [5.9087e+01, 2.7870e-02, 2.6727e+00],  
 [1.4842e+00, 4.6247e-05, 9.2182e-02],  
 [2.9409e+00, 9.3682e-03, 3.0433e-01],  
 [2.7284e+02, 9.3854e+00, 4.5127e+00],

[4.5416e+00, 2.3184e-03, 1.7898e-01],  
 [3.3676e+00, 4.0692e-03, 2.8162e-01],  
 [1.0911e+02, 1.0687e+00, 3.5431e+00],  
 [3.0289e-04, 1.7651e-11, 4.9585e-05],  
 [6.3967e+00, 4.9936e-03, 4.5586e-01],  
 [1.9339e+01, 2.9376e-02, 1.1178e+00],  
 [5.9408e+00, 1.5280e-03, 4.0839e-01],  
 [2.4511e+00, 5.5601e-04, 1.5533e-01],  
 [3.8757e+01, 1.4536e-01, 2.0266e+00],  
 [1.3175e+01, 1.9014e-03, 8.7670e-01],  
 [7.6229e-01, 3.2955e-04, 9.1673e-02],  
 [1.2516e+00, 2.9498e-05, 1.2524e-01],  
 [2.1579e+00, 3.3893e-04, 1.0132e-01],  
 [1.9978e-01, 2.8180e-05, 2.4178e-02],  
 [1.3653e+00, 2.1385e-04, 1.5463e-01],  
 [1.0382e+01, 2.7734e-02, 4.8337e-01],  
 [2.5961e+01, 8.4146e-02, 7.7018e-01],  
 [5.8543e+00, 1.9652e-03, 2.1814e-01],  
 [3.4037e-01, 3.1874e-05, 2.8422e-02],  
 [2.6365e+00, 5.4613e-04, 1.8086e-01],  
 [3.8067e-01, 2.0897e-05, 4.7161e-02],  
 [7.3574e+00, 7.6501e-03, 3.1248e-01],  
 [6.3165e-01, 9.3730e-05, 7.9084e-02],  
 [1.8343e+01, 1.1080e-02, 8.7879e-01],  
 [5.4181e-01, 6.2302e-05, 4.8183e-02],  
 [8.6382e+01, 9.2576e-02, 3.0821e+00],  
 [5.7863e-01, 1.0846e-04, 6.1043e-02],  
 [5.7802e-03, 3.1008e-08, 9.1832e-04],  
 [2.1613e+01, 1.8417e-01, 1.5935e+00],  
 [3.4832e+01, 7.9900e-03, 1.3366e+00],  
 [7.2063e+00, 3.6517e-03, 5.7835e-01],  
 [9.1134e-01, 4.3381e-04, 9.1543e-02],  
 [7.5993e+01, 8.3836e-01, 1.9159e+00],  
 [2.5911e+01, 4.3894e-02, 1.6985e+00],  
 [3.9085e-01, 3.4789e-05, 3.3037e-02],  
 [5.7932e+00, 1.5731e-03, 5.7388e-01],  
 [4.3492e+00, 5.6531e-03, 2.5042e-01],  
 [6.9930e-02, 3.5636e-07, 1.0210e-02],  
 [1.3774e+00, 2.7040e-04, 8.8150e-02],  
 [1.1213e+01, 2.6673e-02, 4.0928e-01],  
 [4.1109e+01, 4.2911e-01, 2.1239e+00],  
 [5.9084e+00, 1.0841e-02, 3.6429e-01],  
 [7.9078e+01, 1.4286e+00, 2.4428e+00],  
 [1.3517e-01, 2.0448e-06, 1.7174e-02],  
 [2.6427e-01, 6.9676e-05, 3.4258e-02],  
 [1.0876e+02, 7.9618e-01, 4.3336e+00],  
 [5.5819e-01, 1.7765e-04, 5.5210e-02],  
 [2.2314e+01, 5.1413e-02, 9.1318e-01],

[6.8269e+01, 7.2186e-01, 2.4199e+00],  
 [2.5946e+00, 2.1478e-03, 1.6263e-01],  
 [1.1043e+02, 2.8517e+00, 3.9688e+00],  
 [5.4078e+01, 6.5541e-01, 1.4794e+00],  
 [8.8747e-01, 2.2314e-04, 9.6107e-02],  
 [6.1474e-01, 1.4436e-04, 4.8230e-02],  
 [2.3644e-01, 1.7156e-05, 2.4425e-02],  
 [4.5210e-01, 6.6387e-05, 3.3985e-02],  
 [8.2748e+01, 1.5893e-01, 2.1333e+00],  
 [6.1003e-01, 1.7512e-04, 6.4671e-02],  
 [4.7897e+00, 2.1739e-02, 4.3380e-01],  
 [1.1912e+00, 2.4920e-04, 1.6169e-01],  
 [3.2161e-01, 6.0467e-06, 3.3616e-02],  
 [5.4881e+01, 4.5286e-01, 1.6069e+00],  
 [2.3735e+01, 6.2410e-02, 2.0229e+00],  
 [1.5469e-04, 1.2314e-11, 2.5459e-05],  
 [5.1839e+01, 1.9538e-01, 3.2021e+00],  
 [2.6528e+01, 1.0995e-02, 8.8932e-01],  
 [1.4030e+00, 3.9719e-04, 1.0052e-01],  
 [3.0116e-01, 8.0328e-06, 2.6414e-02],  
 [4.7151e+00, 1.0357e-02, 5.2314e-01],  
 [1.0224e+02, 1.0103e+00, 1.8020e+00],  
 [2.1652e+01, 5.9581e-02, 6.6806e-01],  
 [6.4199e+01, 9.8629e-01, 1.6043e+00],  
 [4.7011e+00, 9.0095e-03, 3.2912e-01],  
 [1.9041e+00, 8.5036e-04, 1.8935e-01],  
 [1.3194e+02, 2.1179e+00, 3.4966e+00],  
 [7.2518e-03, 5.1667e-08, 1.1183e-03],  
 [1.5764e-01, 2.7435e-05, 2.1797e-02],  
 [1.7945e+00, 1.0539e-03, 1.1746e-01],  
 [8.5213e+00, 4.7505e-02, 5.9776e-01],  
 [1.4651e+01, 5.7046e-02, 6.5436e-01],  
 [5.2633e+01, 7.2027e-01, 1.8356e+00],  
 [5.9816e-01, 1.1785e-04, 5.4558e-02],  
 [2.0084e+01, 8.5846e-02, 9.0277e-01],  
 [1.1425e+01, 4.6867e-02, 6.3129e-01],  
 [9.4565e-02, 1.5198e-06, 1.2871e-02],  
 [1.8575e-02, 5.3034e-08, 2.9243e-03],  
 [8.8652e+00, 2.7187e-02, 4.2913e-01],  
 [9.4329e+00, 5.5127e-04, 3.3737e-01],  
 [1.6005e+02, 7.3486e-01, 2.7920e+00],  
 [2.0248e+00, 1.5105e-04, 1.9528e-01],  
 [2.5938e+01, 2.0035e-02, 1.5144e+00],  
 [1.1861e+00, 3.2391e-04, 8.5298e-02],  
 [1.0989e+01, 5.0388e-02, 9.4225e-01],  
 [2.1687e-01, 2.0603e-05, 2.7858e-02],  
 [1.1330e-01, 1.3971e-05, 1.6615e-02],  
 [4.3620e+01, 5.4887e-02, 2.5749e+00],

[1.3392e-01, 8.4903e-06, 1.5715e-02],  
 [6.2363e-02, 2.6989e-06, 8.6018e-03],  
 [3.0629e-01, 3.8445e-05, 3.8054e-02],  
 [1.1977e+02, 1.0897e+00, 4.3802e+00],  
 [1.6805e-02, 2.2934e-07, 2.5182e-03],  
 [1.2172e+01, 8.6108e-03, 5.4985e-01],  
 [4.8993e-02, 8.0065e-07, 6.7263e-03],  
 [2.2017e+02, 1.0162e+00, 4.1761e+00],  
 [1.0825e+01, 3.1337e-02, 7.2643e-01],  
 [9.4217e-01, 2.8568e-05, 7.5494e-02],  
 [4.6088e+01, 2.9180e-01, 1.0928e+00],  
 [1.2127e+01, 2.4319e-02, 4.5268e-01],  
 [1.2885e+00, 1.5990e-03, 1.3151e-01],  
 [3.1092e+00, 1.7439e-03, 2.1815e-01],  
 [1.2972e+02, 3.8544e-01, 4.4374e+00],  
 [1.8059e+01, 5.9775e-02, 7.1242e-01],  
 [1.1599e+00, 5.1050e-04, 1.2943e-01],  
 [2.8150e-01, 5.3004e-05, 4.0311e-02],  
 [1.2818e+01, 1.5523e-02, 9.6667e-01],  
 [1.0434e+01, 2.6257e-02, 5.8536e-01],  
 [8.6485e-01, 4.8662e-04, 1.0306e-01],  
 [3.2730e+01, 3.0250e-01, 1.3885e+00],  
 [2.3686e+02, 2.4543e+00, 5.0138e+00],  
 [1.1962e+02, 1.6629e-01, 2.0723e+00],  
 [3.3579e+00, 1.2932e-03, 2.8061e-01],  
 [5.2069e-02, 9.3861e-07, 7.7773e-03],  
 [1.6307e+01, 1.6634e-02, 4.4265e-01],  
 [1.4506e+02, 2.9938e+00, 4.0652e+00],  
 [1.4768e-01, 1.2922e-06, 1.7781e-02],  
 [5.6982e+01, 2.1730e-01, 1.0984e+00],  
 [1.4051e+01, 6.4261e-02, 1.4732e+00],  
 [1.7953e+00, 1.6101e-03, 1.7530e-01],  
 [2.8192e-01, 1.4004e-05, 2.8217e-02],  
 [6.6974e+01, 8.5199e-01, 3.7142e+00],  
 [1.1140e+02, 9.4196e-01, 3.8703e+00],  
 [4.0922e-01, 2.5506e-05, 3.8048e-02],  
 [1.8982e+02, 1.3477e+00, 3.5758e+00],  
 [4.3542e+00, 5.6867e-03, 4.0799e-01],  
 [1.6476e+02, 1.4327e+00, 3.9758e+00],  
 [2.0845e+01, 1.5567e-01, 1.3953e+00],  
 [1.0666e+00, 4.6314e-04, 1.3156e-01],  
 [1.0871e+00, 6.5745e-05, 1.0559e-01],  
 [2.2139e-02, 5.5759e-08, 3.1467e-03],  
 [1.4651e+02, 1.6560e-01, 4.5661e+00],  
 [4.8533e+00, 2.9353e-03, 2.8772e-01],  
 [1.0259e+01, 1.4301e-02, 5.0555e-01],  
 [5.6363e+01, 1.5251e-01, 2.4769e+00],  
 [1.2201e+01, 4.3774e-02, 5.4711e-01],

```

[6.1821e+00, 2.1421e-02, 4.3672e-01],
[2.2517e+02, 2.2679e+00, 4.6678e+00],
[1.7815e+00, 9.1322e-04, 1.5659e-01],
[9.0200e+00, 1.7437e-02, 6.2412e-01],
[1.3130e+00, 2.3378e-04, 1.0446e-01],
[1.6231e+01, 1.1189e-02, 5.7137e-01],
[6.9657e+00, 3.2996e-02, 7.2254e-01],
[1.0325e+00, 3.9727e-04, 9.2059e-02],
[1.8671e-01, 5.8142e-06, 2.4752e-02],
[4.8754e+01, 1.3092e-01, 2.9159e+00],
[2.9687e+01, 1.0417e-01, 1.1972e+00],
[2.2142e-01, 1.8192e-05, 2.2747e-02],
[5.4574e+01, 5.1098e-01, 1.8115e+00],
[2.9902e+01, 4.5835e-02, 2.1289e+00],
[1.7111e+01, 7.8120e-02, 7.4887e-01],
[8.9676e+01, 6.7073e-01, 2.2422e+00],
[3.8571e+01, 2.7207e-01, 2.3420e+00],
[1.4380e+00, 5.8127e-04, 1.5518e-01],
[2.3190e-03, 1.2822e-09, 3.6848e-04],
[8.7868e+01, 8.2656e-01, 1.8028e+00],
[1.3440e+01, 3.6224e-02, 7.0361e-01],
[7.1051e-01, 1.5005e-04, 7.1160e-02],
[2.0613e+01, 7.1061e-02, 7.9970e-01],
[1.9743e-01, 2.1371e-05, 2.2583e-02],
[2.1500e+01, 5.7360e-02, 1.5854e+00],
[1.2209e-01, 7.0235e-06, 1.7371e-02],
[1.6160e-01, 5.3731e-06, 1.6589e-02],
[6.0941e+00, 1.1465e-03, 4.1595e-01],
[9.7605e+01, 9.5089e-01, 3.0601e+00],
[2.5620e+01, 2.0443e-02, 7.1556e-01],
[7.1719e+01, 7.7258e-01, 3.3524e+00],
[1.5982e-02, 2.1656e-07, 2.3384e-03],
[1.0590e+02, 1.7937e+00, 2.3865e+00],
[4.1870e-02, 1.6916e-06, 5.6241e-03],
[2.1248e+01, 7.9583e-02, 6.4027e-01],
[3.2164e+01, 4.6089e-01, 1.9667e+00]], dtype=torch.float64)
Iteration: 35
Inputs: tensor([[1.8019e+18, 4.0089e+02, 1.2373e+01, 7.2540e+00],
               [8.0261e+20, 1.9157e+02, 7.6814e+00, 5.4112e+00],
               [4.8159e+19, 4.4076e+02, 1.3023e+00, 7.9124e+00],
               ...,
               [1.0078e+18, 5.9836e+01, 5.8267e+00, 5.7806e+00],
               [2.3308e+19, 2.6048e+02, 4.0935e+00, 3.7848e+00],
               [4.5379e+20, 4.9998e+02, 5.3680e+00, 5.2789e+00]]), dtype=torch.float64)
Target: tensor([[3.8521e-01, 5.1162e-05, 3.5386e-02],
               [1.2932e+02, 1.4840e+00, 4.2256e+00],
               [4.7214e+01, 1.9133e-01, 9.5325e-01],
               [4.4181e+01, 2.1411e-01, 1.4747e+00],

```

[1.1049e+02, 8.4873e-01, 3.3629e+00],  
 [3.0277e+01, 1.4978e-01, 1.1496e+00],  
 [4.1520e+01, 6.3366e-02, 1.0130e+00],  
 [6.6357e+00, 2.4233e-03, 3.1073e-01],  
 [1.3564e+01, 3.9331e-02, 5.6248e-01],  
 [5.0951e+00, 8.2243e-03, 5.2076e-01],  
 [7.6224e-01, 1.4510e-04, 1.0014e-01],  
 [3.5190e-01, 5.6681e-05, 3.3786e-02],  
 [9.1275e+00, 2.0732e-02, 4.0017e-01],  
 [4.2175e-01, 1.5382e-04, 5.3478e-02],  
 [7.3743e+00, 1.0201e-02, 6.9636e-01],  
 [3.5848e+01, 3.9719e-01, 1.5922e+00],  
 [8.5466e-02, 1.0570e-06, 1.2807e-02],  
 [5.7029e+01, 8.3500e-01, 1.6429e+00],  
 [1.8401e+00, 1.4239e-03, 2.1690e-01],  
 [2.9505e+01, 4.3783e-02, 1.2515e+00],  
 [1.2681e+02, 1.1988e+00, 2.1037e+00],  
 [4.4858e+01, 6.4363e-01, 2.0218e+00],  
 [2.7174e-01, 2.5178e-05, 3.3406e-02],  
 [8.6081e+01, 8.9116e-01, 1.6762e+00],  
 [6.8057e+00, 3.2257e-03, 3.0420e-01],  
 [5.0921e-01, 3.6509e-06, 5.5674e-02],  
 [6.2859e-01, 3.1059e-04, 6.7368e-02],  
 [4.6212e+01, 4.7609e-01, 1.5146e+00],  
 [1.2592e+00, 6.5656e-04, 9.5499e-02],  
 [3.1918e+01, 1.5937e-01, 1.1049e+00],  
 [1.7110e+01, 3.2122e-02, 6.8066e-01],  
 [5.2446e-01, 4.2048e-05, 7.7675e-02],  
 [2.6466e+01, 6.7131e-02, 1.0035e+00],  
 [6.1221e-02, 1.7097e-06, 8.0650e-03],  
 [7.5514e-01, 2.8129e-06, 5.4961e-02],  
 [4.2102e+01, 6.2637e-01, 2.5997e+00],  
 [6.9447e-02, 7.5716e-07, 9.9908e-03],  
 [5.6383e-01, 2.5676e-04, 7.2216e-02],  
 [9.6478e+00, 3.4582e-02, 4.8184e-01],  
 [3.1523e+01, 2.0140e-01, 1.6843e+00],  
 [2.3420e-01, 1.9639e-05, 2.4912e-02],  
 [2.0642e-01, 2.3818e-05, 2.3376e-02],  
 [1.8017e+01, 3.2026e-02, 1.2196e+00],  
 [3.0975e+00, 5.7109e-04, 1.8786e-01],  
 [1.6267e+01, 9.9005e-02, 8.5331e-01],  
 [9.7697e-01, 1.1961e-03, 1.2437e-01],  
 [1.8096e+02, 5.8975e-01, 3.7844e+00],  
 [9.0553e-01, 4.2683e-05, 5.8617e-02],  
 [1.7911e+01, 1.1032e-01, 1.1812e+00],  
 [1.2470e+02, 2.2330e+00, 2.9761e+00],  
 [2.8347e+02, 2.2024e+00, 4.6159e+00],  
 [3.4356e+01, 2.6396e-01, 2.0534e+00],



[4.5732e-01, 1.1931e-04, 4.7328e-02],  
 [1.7542e+00, 1.6320e-03, 1.9736e-01],  
 [4.2629e+01, 1.6793e-01, 1.3379e+00],  
 [2.1355e+01, 1.1490e-01, 7.7136e-01],  
 [9.9928e+01, 1.1785e+00, 2.0019e+00],  
 [1.0412e+01, 4.4758e-02, 5.8258e-01],  
 [4.6210e+01, 2.3126e-01, 1.5042e+00],  
 [9.0531e-01, 2.7689e-04, 8.1329e-02],  
 [2.5527e-01, 2.4189e-05, 2.9999e-02],  
 [1.9463e+01, 1.0895e-01, 9.1692e-01],  
 [7.6218e+01, 7.0244e-01, 1.6842e+00],  
 [7.6064e+01, 5.9140e-01, 3.5070e+00],  
 [1.2335e+00, 8.4130e-04, 1.1503e-01],  
 [1.5124e-01, 1.0763e-05, 1.5802e-02],  
 [2.2494e+00, 3.2798e-04, 1.4378e-01],  
 [3.5688e-01, 4.5201e-05, 3.7099e-02],  
 [1.3748e+00, 3.9604e-04, 9.5097e-02],  
 [6.8746e+00, 1.1291e-02, 3.8337e-01],  
 [6.4010e+00, 1.0156e-02, 2.8734e-01],  
 [2.4376e+01, 3.9969e-02, 9.7454e-01],  
 [1.0633e+01, 1.2587e-02, 6.2270e-01],  
 [1.6523e+02, 5.1334e+00, 4.7358e+00],  
 [6.1781e+00, 2.2328e-03, 3.3582e-01],  
 [3.4424e+00, 8.5497e-04, 1.7723e-01],  
 [8.0775e-02, 1.8556e-06, 1.1222e-02],  
 [2.4903e-02, 5.5870e-08, 3.5003e-03],  
 [3.7444e+00, 9.3189e-04, 1.8140e-01],  
 [3.1478e+01, 6.8735e-02, 7.6672e-01],  
 [2.7894e+01, 6.9208e-03, 8.7061e-01],  
 [2.5550e-02, 1.4551e-07, 3.6521e-03],  
 [3.1263e-02, 7.7024e-07, 4.5619e-03],  
 [1.4692e+02, 2.8059e+00, 3.0211e+00],  
 [2.7670e+01, 6.8733e-02, 2.2134e+00],  
 [2.2958e+01, 1.5854e-01, 9.3157e-01],  
 [7.5130e+00, 6.3442e-03, 3.6817e-01],  
 [2.6057e+01, 1.0842e-01, 9.7945e-01],  
 [2.7700e-01, 8.0320e-06, 3.0877e-02],  
 [4.2961e+01, 2.1896e-01, 2.5604e+00],  
 [4.1716e+01, 3.7209e-01, 2.2008e+00],  
 [3.2496e+01, 3.6796e-01, 1.2677e+00],  
 [2.8691e+00, 2.0402e-03, 1.6082e-01],  
 [3.0189e+01, 1.4895e-01, 1.0565e+00],  
 [5.6708e+00, 1.7810e-02, 4.4254e-01],  
 [8.6343e+00, 9.7076e-03, 8.2323e-01],  
 [3.2543e-01, 1.5321e-05, 4.4548e-02],  
 [1.3922e+01, 3.4500e-02, 6.4563e-01],  
 [1.6218e+01, 1.2897e-02, 1.0230e+00],  
 [9.8870e+00, 9.4523e-03, 3.6661e-01],

[1.9241e-01, 3.1374e-05, 1.9625e-02],  
[8.6061e-02, 1.3908e-06, 1.2416e-02],  
[9.4366e+01, 2.5620e+00, 2.7925e+00],  
[2.5903e+00, 1.0236e-02, 2.8188e-01],  
[7.5051e+00, 1.9192e-02, 3.5704e-01],  
[1.1680e+01, 9.2028e-03, 4.8881e-01],  
[9.0785e-01, 5.7476e-04, 1.0117e-01],  
[1.4761e+02, 6.7161e+00, 4.3199e+00],  
[2.0191e+02, 1.0255e+01, 4.6610e+00],  
[9.6318e+00, 2.2265e-02, 5.4260e-01],  
[4.9286e-01, 9.7661e-05, 5.8030e-02],  
[3.8625e-01, 4.8616e-05, 3.0219e-02],  
[3.6613e+01, 2.0441e-01, 1.2536e+00],  
[1.6627e+01, 1.0501e-01, 8.8016e-01],  
[8.2667e-01, 6.8520e-04, 1.1126e-01],  
[3.1583e+02, 7.1283e+00, 5.1370e+00],  
[1.8798e+02, 4.7329e+00, 4.9056e+00],  
[1.3691e+01, 1.1894e-02, 8.9793e-01],  
[2.7285e+00, 6.1660e-04, 1.8131e-01],  
[3.5998e-01, 2.0940e-04, 5.1057e-02],  
[3.0096e+01, 2.5483e-01, 1.5774e+00],  
[2.3681e-02, 7.4590e-08, 3.6193e-03],  
[5.1302e-02, 4.6150e-07, 6.8984e-03],  
[1.5791e+00, 2.9553e-04, 1.0102e-01],  
[9.8261e+00, 1.6447e-02, 6.7521e-01],  
[5.2157e+01, 1.5722e-01, 2.3248e+00],  
[2.4632e-01, 6.5056e-05, 3.5197e-02],  
[2.5298e+00, 6.7744e-04, 1.5189e-01],  
[3.8740e+01, 4.9422e-01, 2.2909e+00],  
[1.5439e-01, 8.6416e-07, 1.6964e-02],  
[1.7528e+02, 2.0675e+00, 4.4178e+00],  
[3.8005e+00, 4.5512e-03, 2.0327e-01],  
[3.1009e+01, 5.9571e-02, 1.5033e+00],  
[8.3417e-02, 2.8423e-06, 1.1594e-02],  
[1.7026e+02, 6.1830e+00, 4.0647e+00],  
[2.4255e-01, 4.6209e-05, 2.4998e-02],  
[4.1149e-01, 3.9355e-05, 4.1001e-02],  
[8.3391e+00, 2.9011e-02, 5.0546e-01],  
[1.7615e+01, 2.5228e-02, 1.0610e+00],  
[2.7334e-01, 3.8579e-05, 3.1799e-02],  
[4.3388e+01, 9.5533e-02, 1.2103e+00],  
[2.9680e+00, 1.2895e-03, 1.5324e-01],  
[1.2720e+01, 1.9710e-02, 9.4333e-01],  
[1.0192e+00, 4.4408e-05, 8.6034e-02],  
[7.0394e+00, 1.5068e-03, 7.5863e-01],  
[2.0545e+00, 3.7472e-04, 1.6990e-01],  
[1.9793e+01, 3.0717e-02, 6.4069e-01],  
[1.6853e+01, 3.0485e-02, 4.4541e-01],

[2.2104e+01, 1.1992e-01, 1.0593e+00],  
 [1.3470e+00, 3.2314e-04, 1.2327e-01],  
 [6.6491e-02, 1.5345e-06, 9.1875e-03],  
 [2.1029e+01, 2.2808e-01, 1.7506e+00],  
 [2.4895e+00, 2.6985e-03, 1.9061e-01],  
 [4.4673e+00, 1.6234e-02, 3.9416e-01],  
 [1.1215e+01, 3.0470e-02, 6.1242e-01],  
 [1.7197e+00, 9.7407e-04, 1.3757e-01],  
 [8.8063e+00, 3.4319e-02, 9.0626e-01],  
 [4.7555e+00, 2.9759e-04, 3.4347e-01],  
 [2.0992e-01, 7.9917e-06, 2.9097e-02],  
 [5.9331e+00, 1.7588e-02, 4.2737e-01],  
 [1.1394e-02, 1.6222e-08, 1.7551e-03],  
 [1.4214e+02, 1.5129e-01, 2.7635e+00],  
 [4.4424e+01, 6.9472e-01, 2.6972e+00],  
 [2.4076e+00, 1.3321e-03, 2.6656e-01],  
 [3.9440e+01, 7.5788e-03, 1.3239e+00],  
 [5.3346e+00, 1.4336e-03, 2.4990e-01],  
 [1.1366e+02, 1.3191e+00, 3.0779e+00],  
 [4.0180e-01, 1.8422e-05, 3.2498e-02],  
 [2.7418e-01, 2.8481e-05, 2.7206e-02],  
 [2.6534e+01, 9.3654e-02, 1.1824e+00],  
 [3.2779e+01, 5.8059e-02, 1.2469e+00],  
 [1.8958e+00, 5.0128e-04, 1.2598e-01],  
 [5.1276e+01, 1.1101e-01, 1.9725e+00],  
 [1.8214e+00, 1.3263e-03, 1.6746e-01],  
 [1.5605e+01, 2.1680e-02, 1.1492e+00],  
 [3.4187e+00, 2.1828e-03, 1.9063e-01],  
 [2.7681e+01, 1.0676e-01, 1.0364e+00],  
 [1.2304e+01, 4.7916e-02, 5.9297e-01],  
 [5.8392e+00, 7.0035e-03, 2.7528e-01],  
 [3.5012e-02, 2.2479e-06, 5.3713e-03],  
 [3.2327e+01, 7.3910e-02, 2.4958e+00],  
 [3.3552e-01, 2.1055e-05, 3.6626e-02],  
 [6.0983e-01, 1.1181e-04, 6.3671e-02],  
 [9.5233e-01, 1.5332e-04, 1.0403e-01],  
 [2.8991e-02, 9.4875e-07, 4.1960e-03],  
 [1.2815e+01, 7.0440e-02, 8.3566e-01],  
 [2.0376e-01, 4.5674e-06, 1.9879e-02],  
 [2.7738e+00, 6.8738e-04, 1.5421e-01],  
 [2.5184e+00, 6.1275e-04, 2.2650e-01],  
 [1.7418e-02, 3.4522e-07, 2.6421e-03],  
 [3.6616e+00, 8.1055e-03, 3.7115e-01],  
 [6.4245e+00, 2.2411e-02, 4.5394e-01],  
 [6.6086e+00, 7.9491e-03, 3.4298e-01],  
 [1.0917e+01, 3.3892e-02, 6.0974e-01],  
 [1.2443e+01, 3.9763e-03, 4.5026e-01],  
 [1.1393e+02, 1.5175e+00, 4.3688e+00],

[2.0285e-01, 1.1963e-05, 2.4166e-02],  
 [4.8229e+01, 2.9719e-01, 1.4097e+00],  
 [9.9511e+00, 7.7314e-03, 6.3168e-01],  
 [8.0747e+00, 3.2324e-03, 3.0003e-01],  
 [1.2573e+01, 7.6630e-02, 9.6819e-01],  
 [7.0837e-04, 4.7749e-11, 1.1529e-04],  
 [4.2536e+01, 6.6713e-01, 2.9882e+00],  
 [8.1047e+01, 5.6757e-01, 1.6746e+00],  
 [1.9120e+00, 6.9163e-04, 1.8505e-01],  
 [4.8886e-02, 3.1298e-06, 6.6809e-03],  
 [1.0706e+01, 4.1244e-02, 4.7717e-01],  
 [1.8825e+00, 3.3415e-04, 9.8460e-02],  
 [6.4551e-03, 1.7695e-08, 9.8433e-04],  
 [4.1682e+00, 4.2472e-03, 2.2683e-01],  
 [1.0737e+01, 1.3853e-03, 4.6414e-01],  
 [4.7762e+00, 1.6787e-03, 3.9792e-01],  
 [2.0075e+01, 4.1229e-02, 6.4635e-01],  
 [6.0343e-01, 2.2185e-04, 5.3112e-02],  
 [1.4517e+00, 6.6227e-04, 1.0359e-01],  
 [1.6805e+01, 1.2562e-02, 5.6868e-01],  
 [1.7311e+01, 8.1763e-02, 8.5421e-01],  
 [2.2417e-01, 4.7294e-05, 3.2195e-02],  
 [6.6099e+01, 1.8774e-02, 1.6275e+00],  
 [1.7176e+00, 4.6738e-04, 1.6189e-01],  
 [8.8271e-02, 4.7566e-06, 1.1657e-02],  
 [5.9807e+01, 2.4019e-01, 1.1573e+00],  
 [1.5421e-01, 1.7471e-05, 1.9835e-02],  
 [6.6972e-01, 1.8613e-04, 6.9824e-02],  
 [1.2894e+00, 1.9580e-04, 1.1715e-01],  
 [1.0694e-01, 1.0025e-05, 1.2589e-02],  
 [2.4434e+01, 4.9357e-02, 9.1986e-01],  
 [1.9303e+00, 4.6112e-04, 1.8018e-01],  
 [6.2174e-02, 4.7465e-07, 8.5929e-03],  
 [1.0649e+01, 1.0975e-02, 3.9885e-01],  
 [7.8806e+00, 2.0547e-02, 3.8201e-01],  
 [6.7952e+01, 1.1511e+00, 3.5854e+00],  
 [1.0708e+01, 1.7641e-02, 5.4125e-01],  
 [3.2883e+00, 1.8119e-03, 3.5361e-01],  
 [2.2750e+01, 1.2211e-01, 1.3996e+00],  
 [1.0453e-01, 5.6089e-06, 1.3325e-02],  
 [6.6209e-02, 2.0943e-07, 8.7930e-03],  
 [2.6022e-01, 1.0287e-05, 2.4974e-02],  
 [1.7887e+02, 3.8248e+00, 3.3920e+00],  
 [2.0216e+00, 7.7370e-04, 2.0159e-01],  
 [5.7552e+01, 1.0547e-01, 2.8875e+00],  
 [5.5992e+01, 3.1095e-01, 1.3559e+00],  
 [6.2474e+01, 1.6997e-01, 3.3083e+00],  
 [4.1522e+00, 1.3931e-03, 4.7944e-01],

[1.6986e+02, 5.6716e+00, 4.6155e+00],  
 [3.5549e+00, 1.3120e-03, 2.8173e-01],  
 [1.9090e-02, 7.0091e-08, 2.7684e-03],  
 [1.1473e+00, 1.5251e-04, 7.5638e-02],  
 [3.0007e+00, 1.1127e-03, 3.7877e-01],  
 [4.5004e+01, 3.5497e-01, 1.2441e+00],  
 [7.6087e+00, 8.9617e-03, 6.6445e-01],  
 [1.7198e+02, 3.3808e+00, 4.6919e+00],  
 [4.0132e+01, 2.3033e-01, 1.1897e+00],  
 [1.1451e+02, 1.5510e+00, 4.2356e+00],  
 [1.5049e+01, 2.5259e-02, 4.7787e-01],  
 [1.1607e-01, 1.2245e-06, 1.5306e-02],  
 [6.7940e-01, 1.1825e-04, 6.6650e-02],  
 [2.4445e-01, 1.5609e-05, 2.8213e-02],  
 [1.7259e+01, 3.5981e-02, 4.7627e-01],  
 [7.4048e+00, 1.2154e-02, 8.4946e-01],  
 [4.3091e+01, 3.7989e-01, 2.3410e+00],  
 [3.1080e+00, 1.6010e-03, 2.6203e-01],  
 [4.0300e+00, 6.8696e-04, 3.5280e-01],  
 [1.9095e-01, 6.9665e-06, 2.6839e-02],  
 [9.6063e-02, 2.7043e-06, 1.1138e-02],  
 [1.6253e+02, 4.5076e+00, 4.0059e+00],  
 [2.5967e+01, 1.4747e-01, 9.3044e-01],  
 [4.0882e+01, 5.0746e-01, 1.3535e+00],  
 [9.4452e+00, 1.8619e-02, 5.1585e-01],  
 [2.3123e+02, 4.9041e+00, 3.5460e+00],  
 [2.3183e+01, 3.7677e-02, 8.9803e-01],  
 [1.4147e+02, 1.0678e+00, 2.8022e+00],  
 [9.2005e+00, 1.7474e-02, 4.8794e-01],  
 [8.3590e-01, 3.5040e-04, 9.0674e-02],  
 [3.6590e+01, 3.7611e-02, 1.8567e+00],  
 [9.5647e+01, 3.8799e-01, 3.4825e+00],  
 [6.6822e-02, 1.6607e-06, 8.7241e-03],  
 [5.0572e+00, 5.6753e-03, 4.4715e-01],  
 [3.2271e+01, 1.2657e-01, 8.7323e-01],  
 [1.0967e+02, 2.7026e-01, 3.6750e+00],  
 [1.0097e+02, 1.2794e+00, 3.8198e+00],  
 [4.5365e+01, 2.3639e-01, 2.7634e+00],  
 [4.8204e+00, 5.9460e-04, 3.1279e-01],  
 [6.2077e+01, 7.0413e-01, 2.0823e+00],  
 [1.3530e+02, 1.2005e+00, 3.7477e+00],  
 [7.7964e-02, 3.3254e-06, 9.8735e-03],  
 [7.9202e-02, 3.0074e-06, 1.1369e-02],  
 [1.0653e+01, 2.5672e-02, 9.5809e-01],  
 [9.5440e-01, 2.3744e-04, 7.3358e-02],  
 [1.3174e+01, 4.1482e-02, 7.7855e-01],  
 [8.1334e+00, 1.4826e-02, 5.2860e-01],  
 [3.6838e+00, 6.8574e-03, 2.8007e-01],

```

[2.9142e+01, 2.5613e-02, 1.2489e+00],
[3.5748e-01, 2.7921e-05, 3.8907e-02],
[8.6059e+01, 5.4978e-01, 2.3610e+00],
[7.1125e+01, 7.9275e-01, 1.7459e+00],
[7.7655e+00, 2.2036e-03, 4.7359e-01],
[6.1840e-03, 1.5569e-08, 9.6231e-04],
[1.6367e+00, 1.0156e-03, 1.1885e-01],
[6.4147e-01, 8.4862e-05, 8.0941e-02],
[2.3473e-02, 4.2756e-07, 3.4789e-03],
[1.5717e+02, 1.6652e-01, 3.5606e+00],
[9.7493e-01, 1.0236e-03, 1.1523e-01],
[4.9236e+01, 5.3895e-01, 1.2421e+00],
[9.3361e-02, 1.0520e-06, 1.3535e-02],
[4.9359e+01, 8.4408e-01, 1.4998e+00],
[2.8536e+01, 6.1269e-02, 1.2269e+00],
[1.8564e-01, 6.9046e-05, 2.6914e-02],
[1.6483e+02, 7.2972e+00, 4.3265e+00],
[1.8089e+02, 6.4693e+00, 3.4488e+00],
[1.7319e-01, 1.5320e-05, 2.2905e-02],
[2.1676e+01, 1.2871e-01, 8.0315e-01],
[6.1318e+00, 4.2350e-03, 2.8246e-01],
[3.5196e+01, 4.0624e-01, 1.8796e+00],
[1.3039e+01, 4.8709e-02, 7.0360e-01],
[2.2151e+01, 6.0403e-02, 5.8920e-01],
[6.7615e-02, 2.2079e-06, 8.5640e-03],
[7.7323e-03, 2.7211e-08, 1.1690e-03],
[9.9761e+00, 4.5858e-03, 4.8490e-01],
[1.8207e+02, 1.9535e+00, 3.3899e+00]], dtype=torch.float64)
Iteration: 36
Inputs: tensor([[3.2196e+19, 3.9152e+02, 7.7244e+00, 4.2473e+00],
               [4.1332e+19, 2.6424e+02, 8.7742e+00, 1.5328e+00],
               [6.0814e+19, 4.9070e+02, 1.8088e+01, 5.1326e+00],
               ...,
               [3.0710e+20, 1.6517e+02, 1.5178e+01, 3.3743e+00],
               [7.8307e+19, 3.1438e+02, 7.0243e+00, 1.0802e+00],
               [6.2807e+18, 2.3169e+02, 1.3906e+01, 6.4325e+00]], dtype=torch.float64)
Target: tensor([[1.5972e+01, 1.8472e-02, 6.4644e-01],
               [5.5823e+00, 1.4799e-03, 4.4444e-01],
               [2.5546e+01, 1.2118e-01, 9.7244e-01],
               [1.8626e-01, 5.8767e-07, 2.2057e-02],
               [5.4354e+00, 8.1996e-04, 2.0733e-01],
               [1.9678e+01, 4.2867e-02, 5.5983e-01],
               [1.3059e+00, 3.2105e-04, 9.2897e-02],
               [7.8199e+01, 1.1615e+00, 2.8044e+00],
               [1.6547e+02, 4.6657e-01, 3.9667e+00],
               [3.4069e+01, 8.7507e-02, 1.3330e+00],
               [4.5153e+01, 1.2029e-01, 2.3944e+00],
               [3.6035e+01, 1.3516e-01, 1.7630e+00],

```

[5.9663e+00, 1.3312e-02, 3.2950e-01],  
 [3.6670e-02, 1.2249e-07, 5.3944e-03],  
 [7.1913e+01, 6.7544e-01, 1.4169e+00],  
 [4.0070e-02, 1.3430e-06, 5.5461e-03],  
 [1.3947e+02, 2.7610e+00, 3.5426e+00],  
 [4.9667e+01, 3.4234e-01, 2.7012e+00],  
 [7.7485e+01, 7.5519e-01, 1.3079e+00],  
 [9.8627e+01, 4.9085e-01, 2.0122e+00],  
 [2.4405e+01, 5.0229e-02, 1.3232e+00],  
 [3.2445e-01, 2.7802e-05, 3.4483e-02],  
 [1.2859e-02, 5.7557e-08, 1.9078e-03],  
 [9.3849e+00, 2.9612e-02, 5.2754e-01],  
 [1.1104e+02, 2.7645e+00, 4.4311e+00],  
 [6.7156e+01, 1.1057e+00, 2.1653e+00],  
 [1.0319e+00, 5.8694e-04, 1.1154e-01],  
 [9.6060e+01, 1.3977e-01, 3.9472e+00],  
 [7.7829e+01, 9.3352e-01, 3.1612e+00],  
 [2.5731e+00, 6.6771e-04, 1.3304e-01],  
 [2.4924e-02, 1.0556e-07, 3.7679e-03],  
 [1.4124e+02, 3.7626e+00, 4.0570e+00],  
 [3.5289e+01, 5.6863e-02, 1.5069e+00],  
 [1.1448e+00, 6.2759e-04, 1.5621e-01],  
 [1.6405e+01, 1.4987e-02, 1.0106e+00],  
 [6.9101e-01, 5.9447e-05, 1.0062e-01],  
 [7.5450e+01, 6.3552e-01, 2.5826e+00],  
 [4.4213e-01, 9.3556e-05, 4.2595e-02],  
 [1.9418e+01, 4.6042e-02, 1.1510e+00],  
 [3.1442e-01, 7.4983e-05, 3.3767e-02],  
 [2.8742e+01, 1.1287e-01, 8.8145e-01],  
 [7.2509e-01, 7.2868e-05, 5.8343e-02],  
 [6.6927e+01, 1.0947e+00, 3.3827e+00],  
 [5.2129e+00, 3.3818e-03, 5.9594e-01],  
 [1.7389e-02, 1.5595e-07, 2.5360e-03],  
 [3.7662e+00, 3.6996e-03, 2.2709e-01],  
 [3.8563e+01, 2.7390e-01, 1.6450e+00],  
 [6.3506e+01, 8.8648e-01, 2.6776e+00],  
 [6.3745e+01, 7.5659e-01, 2.8291e+00],  
 [2.0983e+00, 8.8458e-04, 1.4619e-01],  
 [6.4732e+01, 1.3444e+00, 3.0326e+00],  
 [8.8969e+01, 5.7911e-02, 2.9682e+00],  
 [2.0868e+00, 2.8084e-03, 2.1487e-01],  
 [2.2257e+01, 6.5017e-02, 1.2518e+00],  
 [2.8095e-01, 1.9202e-05, 3.0635e-02],  
 [8.6176e-01, 4.6140e-04, 8.1472e-02],  
 [5.4183e+01, 2.4392e-01, 2.3226e+00],  
 [9.3795e+01, 5.6893e-01, 3.0046e+00],  
 [4.4718e+01, 5.0399e-01, 2.4681e+00],  
 [4.0096e+00, 1.0261e-02, 4.4691e-01],

[1.1686e+00, 1.0908e-03, 1.2137e-01],  
[5.8716e+01, 1.4660e-01, 2.8331e+00],  
[1.7747e+01, 3.6275e-02, 1.0559e+00],  
[4.4631e-02, 1.1365e-06, 6.5053e-03],  
[9.0223e-01, 2.0517e-04, 8.5843e-02],  
[5.3285e-02, 2.2235e-06, 7.0323e-03],  
[1.6296e+01, 3.6813e-02, 5.3336e-01],  
[6.4220e-02, 2.0670e-06, 8.7291e-03],  
[3.5748e+01, 4.3391e-01, 1.1166e+00],  
[9.2544e-01, 4.9637e-04, 1.0133e-01],  
[9.5946e-02, 1.1940e-05, 1.3490e-02],  
[7.5821e+00, 2.5661e-03, 4.6867e-01],  
[3.4844e+01, 3.9538e-01, 1.0950e+00],  
[6.7772e-02, 2.0823e-06, 9.1720e-03],  
[1.3177e+01, 3.6038e-03, 6.2981e-01],  
[1.8563e-01, 3.3864e-05, 2.2810e-02],  
[2.7804e+01, 3.3348e-02, 1.9581e+00],  
[1.3669e+02, 3.4127e+00, 4.2230e+00],  
[8.4583e+01, 3.0187e-01, 2.8823e+00],  
[5.4152e+01, 6.8149e-02, 1.1011e+00],  
[7.4642e+01, 1.6865e+00, 2.2643e+00],  
[8.7491e-04, 2.6018e-10, 1.4179e-04],  
[3.6630e+00, 1.1426e-02, 4.4727e-01],  
[6.5542e+01, 9.5091e-01, 2.0535e+00],  
[6.7898e-01, 2.4386e-04, 8.8915e-02],  
[7.1825e+01, 4.7945e-02, 2.0779e+00],  
[6.4920e-01, 7.4403e-04, 8.7736e-02],  
[5.6639e-02, 2.4595e-06, 7.5927e-03],  
[3.5311e+01, 2.4280e-01, 1.0667e+00],  
[3.1260e+01, 1.1145e-01, 9.4192e-01],  
[1.2554e-01, 4.8836e-06, 1.3973e-02],  
[6.3870e+00, 5.3968e-03, 3.6572e-01],  
[5.9927e+00, 7.8481e-03, 4.8444e-01],  
[9.4714e-02, 5.4947e-06, 1.3062e-02],  
[4.8823e-01, 4.6925e-05, 4.5343e-02],  
[1.5278e+00, 5.6901e-04, 1.3363e-01],  
[1.7522e+02, 2.1437e+00, 3.0800e+00],  
[2.6359e-01, 4.0376e-05, 3.6352e-02],  
[3.6426e+01, 5.9676e-01, 1.9045e+00],  
[2.5290e+02, 1.1248e+01, 5.0145e+00],  
[2.0049e+02, 9.6867e+00, 4.6999e+00],  
[5.6056e+00, 3.6352e-03, 3.5089e-01],  
[3.1156e+00, 2.4616e-03, 1.9710e-01],  
[1.4521e+02, 2.0328e+00, 4.4632e+00],  
[7.7292e+01, 2.6085e-01, 2.1548e+00],  
[8.8081e+00, 5.0909e-03, 3.9361e-01],  
[8.9413e+00, 2.7143e-02, 5.4313e-01],  
[3.7276e+00, 2.6578e-03, 2.0274e-01],



[3.1272e+00, 2.1413e-03, 2.2008e-01],  
 [1.5832e+00, 9.2640e-04, 1.1399e-01],  
 [1.3551e+02, 3.0183e+00, 3.7496e+00],  
 [4.5797e-02, 2.6259e-07, 6.4789e-03],  
 [5.9337e-02, 1.7872e-06, 8.1564e-03],  
 [1.7806e-01, 2.6249e-05, 2.5545e-02],  
 [3.7193e+01, 1.9302e-01, 1.3148e+00],  
 [7.7404e+01, 1.3256e+00, 2.8872e+00],  
 [4.3550e+01, 9.9332e-02, 1.0351e+00],  
 [4.1541e-02, 6.5888e-08, 5.9211e-03],  
 [5.0840e-02, 2.1921e-07, 7.4591e-03],  
 [3.5673e-01, 2.3798e-05, 3.9409e-02],  
 [5.9693e+01, 5.1851e-01, 1.7518e+00],  
 [1.2286e-02, 6.2510e-08, 1.8387e-03],  
 [9.1396e+00, 5.9810e-03, 7.4076e-01],  
 [5.9703e-02, 1.2805e-06, 9.3609e-03],  
 [1.9343e+02, 3.1226e+00, 3.4977e+00],  
 [7.0928e-01, 1.4998e-04, 6.7034e-02],  
 [1.2390e+00, 9.3176e-05, 9.8497e-02],  
 [3.3665e+00, 4.9461e-03, 2.3938e-01],  
 [1.0694e+00, 7.8462e-05, 6.5322e-02],  
 [4.6456e+01, 3.4208e-01, 1.7967e+00],  
 [5.5549e+01, 5.3694e-01, 1.5659e+00],  
 [1.6463e+02, 5.3443e+00, 3.6140e+00],  
 [9.2775e-01, 3.8898e-04, 8.9177e-02],  
 [1.7087e+02, 7.0739e+00, 3.5684e+00],  
 [1.0420e-03, 2.4277e-10, 1.6781e-04],  
 [3.2817e-01, 1.8891e-05, 4.5315e-02],  
 [2.8836e+02, 5.1294e+00, 5.0157e+00],  
 [3.4896e-02, 2.0407e-07, 4.8240e-03],  
 [2.3762e+01, 9.3724e-02, 1.2163e+00],  
 [1.0894e+02, 2.4454e+00, 4.3416e+00],  
 [1.3085e+02, 9.0281e-01, 2.6178e+00],  
 [2.9569e-01, 1.6472e-05, 3.2026e-02],  
 [3.5971e+01, 6.4589e-02, 1.9804e+00],  
 [2.8037e+00, 6.3038e-04, 1.7340e-01],  
 [2.2728e+01, 3.3909e-02, 7.6727e-01],  
 [2.1779e-01, 1.8109e-05, 2.4997e-02],  
 [2.6875e+01, 1.0923e-01, 1.3238e+00],  
 [1.5711e+01, 7.2581e-02, 1.4788e+00],  
 [8.1814e+01, 1.0943e+00, 3.7686e+00],  
 [4.4715e-01, 8.6750e-05, 5.5337e-02],  
 [2.5629e+01, 2.3637e-01, 1.3947e+00],  
 [8.9253e-01, 6.3703e-05, 7.3522e-02],  
 [9.9334e+00, 3.0768e-03, 5.7678e-01],  
 [2.7968e+00, 1.9393e-03, 1.8499e-01],  
 [3.0329e+01, 1.4938e-01, 1.3029e+00],  
 [1.4017e+02, 2.8255e+00, 2.6190e+00],

[3.6043e-01, 7.6531e-05, 3.4757e-02],  
 [8.5941e+01, 5.3746e-01, 2.5962e+00],  
 [2.2992e+01, 1.6049e-01, 9.0823e-01],  
 [1.9134e+01, 5.0333e-02, 8.0853e-01],  
 [7.1616e+01, 1.4505e-01, 3.0976e+00],  
 [7.4115e+01, 1.1484e+00, 3.1297e+00],  
 [1.2243e+02, 3.3784e+00, 2.7895e+00],  
 [1.3462e+01, 1.8431e-02, 4.7816e-01],  
 [8.4247e+00, 2.9611e-02, 4.9372e-01],  
 [6.1586e+00, 7.8326e-03, 3.4829e-01],  
 [3.0157e+01, 1.0723e-02, 1.3424e+00],  
 [6.3829e-01, 3.2674e-04, 7.9618e-02],  
 [4.7143e+01, 2.8508e-01, 1.3308e+00],  
 [3.6586e-01, 6.5146e-05, 3.7320e-02],  
 [6.6190e+00, 1.4336e-02, 3.2259e-01],  
 [5.1417e+00, 1.3238e-02, 3.4094e-01],  
 [2.2799e+02, 5.6617e+00, 4.6671e+00],  
 [1.0569e+00, 5.0361e-04, 8.7586e-02],  
 [1.0863e+02, 8.1635e-02, 4.0326e+00],  
 [1.6753e+00, 1.1309e-03, 2.0061e-01],  
 [1.2560e+00, 1.7547e-04, 1.5504e-01],  
 [1.3384e+01, 1.9648e-03, 5.6336e-01],  
 [3.9174e+00, 5.7144e-03, 2.8525e-01],  
 [1.4537e-02, 2.3176e-07, 2.1957e-03],  
 [1.9271e+00, 3.6228e-03, 2.5313e-01],  
 [2.4178e+00, 1.9012e-03, 2.1120e-01],  
 [5.9791e+00, 9.5188e-03, 4.7578e-01],  
 [3.8196e+01, 3.4815e-01, 1.2527e+00],  
 [1.7842e+00, 5.3051e-04, 2.1736e-01],  
 [1.1374e+02, 1.1579e+00, 3.4163e+00],  
 [4.1070e+01, 5.1300e-01, 2.8568e+00],  
 [5.0346e+01, 3.4773e-01, 1.1460e+00],  
 [1.1930e+00, 6.0482e-04, 1.3871e-01],  
 [2.3801e+01, 8.4006e-02, 1.0936e+00],  
 [4.8074e-01, 2.5032e-05, 4.0913e-02],  
 [1.4815e-01, 4.1434e-06, 2.0052e-02],  
 [7.2849e+01, 6.3651e-01, 2.5872e+00],  
 [4.9441e+01, 1.0067e-01, 2.9445e+00],  
 [1.9973e+00, 6.8811e-04, 1.4357e-01],  
 [4.4745e+01, 3.7279e-01, 1.5122e+00],  
 [8.5084e-02, 1.1952e-06, 1.1080e-02],  
 [1.6266e+02, 2.8632e-01, 4.0370e+00],  
 [4.1007e+01, 3.7443e-01, 2.4049e+00],  
 [8.7934e+01, 6.2738e-01, 4.1128e+00],  
 [7.7672e-02, 4.7260e-06, 9.3629e-03],  
 [3.5128e+01, 1.1585e-01, 1.2697e+00],  
 [2.1133e+01, 9.2809e-02, 1.7164e+00],  
 [1.0252e+00, 2.8793e-04, 8.1862e-02],

[5.2901e-02, 3.9769e-07, 7.2791e-03],  
[2.1070e+00, 2.3033e-04, 2.2772e-01],  
[1.3265e+01, 3.5870e-02, 7.0929e-01],  
[2.0411e+01, 1.1915e-02, 6.8928e-01],  
[4.0093e+01, 7.4635e-01, 2.5988e+00],  
[9.0248e+01, 8.8672e-01, 2.4255e+00],  
[9.5426e-01, 2.3173e-04, 1.3677e-01],  
[4.9939e-02, 5.8117e-07, 7.3284e-03],  
[1.2661e+00, 1.9508e-04, 1.0050e-01],  
[5.9305e-02, 2.8104e-06, 8.4404e-03],  
[2.6768e+00, 7.4736e-03, 2.6217e-01],  
[1.4135e+01, 1.0977e-02, 6.0063e-01],  
[7.5637e+00, 2.9915e-02, 8.6111e-01],  
[2.2345e+00, 2.3142e-03, 1.8508e-01],  
[4.2789e-01, 3.2357e-05, 3.3909e-02],  
[6.5670e+01, 6.3423e-01, 1.5387e+00],  
[7.7044e+00, 1.0208e-02, 5.4888e-01],  
[1.9787e+00, 7.0155e-04, 2.6617e-01],  
[8.6882e+00, 2.7803e-02, 9.7785e-01],  
[1.4675e+01, 2.1874e-02, 7.1506e-01],  
[1.7169e+01, 5.0565e-02, 6.8355e-01],  
[2.6149e-01, 1.3047e-05, 2.7470e-02],  
[4.6359e-01, 4.0512e-05, 4.5237e-02],  
[6.6958e-02, 1.0643e-06, 9.8962e-03],  
[1.6953e+02, 1.5984e+00, 2.8053e+00],  
[6.6226e+01, 9.2022e-02, 1.8457e+00],  
[3.6656e-01, 1.0508e-04, 3.6482e-02],  
[5.0635e+00, 4.6109e-03, 2.5833e-01],  
[1.6095e+01, 2.1156e-02, 9.2174e-01],  
[1.0253e+02, 3.8774e-01, 3.5596e+00],  
[5.3509e-03, 1.8231e-08, 8.5694e-04],  
[1.5697e+00, 8.3265e-05, 1.3632e-01],  
[4.2633e+01, 3.7554e-02, 1.8761e+00],  
[9.7509e-04, 7.0624e-10, 1.5811e-04],  
[5.2475e+01, 1.1194e+00, 3.1259e+00],  
[2.5205e+02, 9.1816e+00, 4.4521e+00],  
[2.4940e+00, 1.9938e-03, 1.8859e-01],  
[7.2545e+01, 5.9129e-01, 2.3799e+00],  
[2.8586e+01, 1.7522e-01, 1.7816e+00],  
[8.7789e-01, 1.0551e-04, 9.9096e-02],  
[1.8875e+02, 5.4107e+00, 4.4036e+00],  
[2.3583e-03, 4.2018e-09, 3.7696e-04],  
[1.9123e+01, 1.2106e-01, 1.3394e+00],  
[7.2314e+01, 1.9208e-01, 2.5606e+00],  
[5.1276e+01, 3.4888e-01, 1.6419e+00],  
[2.6387e+01, 1.5671e-01, 1.0540e+00],  
[2.0686e+01, 1.1859e-01, 1.0289e+00],  
[6.5621e+01, 7.9098e-01, 1.9722e+00],

[8.1164e+00, 5.7048e-03, 2.8372e-01],  
 [3.6252e+01, 1.5887e-01, 1.3278e+00],  
 [3.8394e-03, 7.7901e-09, 6.0135e-04],  
 [5.0208e+01, 3.2756e-01, 1.9931e+00],  
 [5.9966e+00, 1.5000e-02, 4.7246e-01],  
 [3.4692e+00, 2.4347e-03, 2.1586e-01],  
 [3.1523e-01, 2.4670e-05, 3.4564e-02],  
 [2.1149e-02, 4.4277e-07, 3.3064e-03],  
 [6.9891e+01, 1.9673e-01, 1.7458e+00],  
 [1.5782e+01, 2.1912e-02, 7.6593e-01],  
 [2.3219e+02, 4.3792e+00, 4.3026e+00],  
 [1.8432e+00, 7.5376e-04, 1.6277e-01],  
 [2.0579e+01, 1.1873e-01, 7.5911e-01],  
 [2.2663e-01, 1.0817e-05, 2.8374e-02],  
 [1.4044e+00, 7.1818e-05, 1.0361e-01],  
 [1.1523e+01, 1.1598e-02, 4.5682e-01],  
 [1.2215e+01, 1.2855e-02, 7.1303e-01],  
 [2.5663e-01, 1.1703e-05, 2.8307e-02],  
 [1.5740e+01, 8.5793e-03, 7.9927e-01],  
 [2.4849e-02, 8.7158e-07, 3.5942e-03],  
 [4.2754e+01, 5.7749e-02, 1.1663e+00],  
 [8.8734e+00, 1.8156e-02, 4.7384e-01],  
 [8.2368e+01, 7.5220e-01, 2.8478e+00],  
 [4.1539e+00, 3.7900e-03, 3.3182e-01],  
 [5.0653e+01, 2.4532e-01, 3.0508e+00],  
 [1.9508e+02, 8.0184e-01, 3.2654e+00],  
 [1.0381e+01, 1.5850e-02, 8.7121e-01],  
 [1.5054e-01, 1.4541e-05, 1.8513e-02],  
 [5.8799e+01, 1.9281e-01, 2.7073e+00],  
 [2.7098e-01, 2.9995e-05, 2.9878e-02],  
 [4.1183e+00, 3.7537e-03, 2.4130e-01],  
 [4.6279e+00, 4.9304e-03, 2.9589e-01],  
 [4.8116e+00, 6.4909e-03, 2.6150e-01],  
 [1.9664e+02, 8.2710e+00, 4.7595e+00],  
 [9.6311e+00, 4.3177e-02, 7.5264e-01],  
 [6.3718e+01, 9.8104e-01, 2.3887e+00],  
 [2.0758e+01, 1.0139e-01, 6.6293e-01],  
 [5.3681e-04, 3.5087e-10, 8.7412e-05],  
 [9.5810e+00, 9.0691e-03, 6.4472e-01],  
 [1.4868e+00, 1.1373e-04, 1.4998e-01],  
 [1.6346e-01, 9.7733e-06, 1.9419e-02],  
 [7.6325e-01, 1.0194e-04, 9.5249e-02],  
 [4.5998e+01, 2.0047e-01, 2.8124e+00],  
 [5.8395e-01, 8.7890e-06, 5.8847e-02],  
 [5.6975e+01, 3.8787e-01, 2.3540e+00],  
 [2.5250e+01, 1.7471e-01, 1.6818e+00],  
 [1.9408e-02, 1.2997e-07, 3.0159e-03],  
 [1.0659e+02, 2.1057e-01, 3.0546e+00],

```

[1.0118e-01, 7.8239e-06, 1.1920e-02],
[4.4249e-02, 1.2641e-06, 5.8502e-03],
[2.9129e+01, 2.7915e-01, 1.0721e+00],
[1.3679e-01, 1.8136e-05, 2.0286e-02],
[1.3719e+01, 8.9406e-02, 1.2502e+00],
[2.3473e+02, 7.0517e+00, 4.2318e+00],
[1.3917e+02, 4.3513e+00, 4.2689e+00],
[1.1417e+02, 6.4735e-01, 3.7282e+00],
[2.0277e+01, 1.1745e-01, 1.0808e+00],
[5.7562e-03, 5.1897e-09, 9.2610e-04],
[7.3716e+01, 2.4245e-01, 1.8505e+00],
[1.3080e+00, 1.9016e-05, 7.6713e-02],
[1.9287e+00, 1.2108e-03, 1.9532e-01],
[4.6397e+01, 1.3797e-02, 2.0004e+00],
[7.8230e-03, 2.4876e-08, 1.1850e-03],
[2.1339e+00, 1.3708e-03, 2.1806e-01],
[8.6792e-01, 2.5819e-04, 8.5382e-02],
[2.5093e+01, 9.4478e-02, 1.7007e+00],
[1.2188e+01, 3.2858e-03, 8.0876e-01],
[8.8161e-01, 2.8962e-04, 8.5809e-02]], dtype=torch.float64)
Iteration: 37
Inputs: tensor([[2.5003e+18, 1.5876e+02, 5.6006e+00, 4.4831e+00],
[1.6696e+20, 3.9744e+02, 9.0846e-01, 7.1023e+00],
[8.6612e+20, 4.4675e+02, 3.3460e+00, 2.3518e+00],
...,
[4.4276e+18, 9.5104e+01, 7.5857e+00, 4.3898e+00],
[1.5387e+20, 4.8576e+02, 1.9036e+01, 4.7889e+00],
[1.3665e+20, 1.1259e+02, 5.6208e-01, 5.0176e+00]], dtype=torch.float64)
Target: tensor([[1.8896e-01, 6.1342e-06, 2.2286e-02],
[1.1138e+02, 7.9050e-01, 1.9736e+00],
[2.3721e+02, 7.7996e-01, 4.7459e+00],
[8.9168e-01, 1.6018e-04, 8.4802e-02],
[1.6154e+01, 8.6329e-02, 1.1466e+00],
[5.5572e+01, 3.4208e-02, 1.3701e+00],
[1.6348e+02, 4.1982e+00, 3.3265e+00],
[8.9565e+01, 6.2444e-01, 1.9504e+00],
[3.2245e+01, 2.0039e-01, 1.3964e+00],
[2.0132e-01, 1.3356e-05, 2.1257e-02],
[8.6462e+01, 1.2925e-01, 2.4481e+00],
[5.6981e-01, 1.5563e-05, 7.6390e-02],
[6.4705e+01, 2.5644e-01, 1.4433e+00],
[3.6498e+00, 2.4089e-03, 2.4002e-01],
[3.7628e+01, 6.5070e-02, 9.8017e-01],
[1.6321e+00, 1.3067e-03, 1.3352e-01],
[1.6177e-02, 1.9629e-07, 2.4360e-03],
[2.0040e+00, 3.5896e-03, 2.1086e-01],
[5.2913e+01, 1.2640e-01, 2.2004e+00],
[2.6554e+00, 6.1774e-04, 1.7037e-01],

```

[1.3791e+01, 3.2626e-02, 7.4510e-01],  
[4.4571e+01, 6.4440e-01, 1.6133e+00],  
[7.4162e+01, 1.2649e+00, 3.3011e+00],  
[1.9068e+01, 2.8297e-02, 8.8427e-01],  
[3.4295e-01, 4.4440e-05, 3.4571e-02],  
[1.0187e+01, 3.2529e-02, 7.9919e-01],  
[3.8490e-01, 7.6982e-05, 4.4789e-02],  
[2.6831e-02, 7.0079e-07, 4.0728e-03],  
[1.4718e+02, 4.9867e+00, 3.6315e+00],  
[2.0720e+01, 5.2527e-02, 1.4541e+00],  
[1.6717e+01, 3.0628e-02, 6.5588e-01],  
[4.1628e+01, 4.1897e-01, 1.6843e+00],  
[1.0531e+02, 1.2025e+00, 3.0119e+00],  
[4.9562e-02, 8.1977e-07, 7.4744e-03],  
[5.1297e+01, 1.4863e-01, 1.7186e+00],  
[4.4558e+01, 5.5510e-01, 1.4992e+00],  
[6.8918e-01, 7.1354e-05, 7.1178e-02],  
[2.4680e+00, 1.9460e-04, 1.7673e-01],  
[1.2101e+01, 6.5321e-02, 1.2881e+00],  
[2.0510e+01, 1.1713e-01, 8.4924e-01],  
[7.0568e+00, 1.1989e-02, 3.3754e-01],  
[6.0962e+00, 9.5845e-03, 5.4249e-01],  
[3.2100e+01, 6.8496e-02, 1.1026e+00],  
[1.8098e+02, 3.1018e+00, 3.3560e+00],  
[1.0890e+00, 1.8668e-04, 1.2242e-01],  
[6.3650e+00, 6.8460e-03, 3.3087e-01],  
[7.1860e+00, 1.4984e-02, 3.8907e-01],  
[2.2389e-01, 3.8473e-05, 2.6551e-02],  
[1.8376e+01, 3.7886e-02, 1.2552e+00],  
[8.0386e+00, 7.5429e-04, 2.9015e-01],  
[8.9646e+01, 3.8063e-01, 2.2154e+00],  
[8.7105e-01, 9.4084e-04, 1.2096e-01],  
[8.8930e-01, 4.1010e-05, 1.0942e-01],  
[5.8630e-02, 2.0256e-06, 7.5437e-03],  
[2.1048e-01, 1.2347e-05, 2.2404e-02],  
[1.0227e+01, 7.3496e-02, 6.8628e-01],  
[5.7769e+00, 5.0785e-03, 4.6322e-01],  
[4.0376e-02, 1.0415e-06, 5.9506e-03],  
[1.0916e+00, 6.6625e-04, 1.2605e-01],  
[3.7537e+00, 3.9357e-04, 2.8855e-01],  
[1.7020e+00, 1.0320e-04, 1.3084e-01],  
[3.6242e+00, 8.1761e-03, 3.1856e-01],  
[3.3873e+00, 3.0367e-03, 3.9274e-01],  
[6.4620e+01, 1.5963e-01, 3.1125e+00],  
[6.2654e-02, 3.5986e-07, 8.5391e-03],  
[6.0832e+00, 5.3758e-03, 7.0538e-01],  
[1.1963e+02, 2.8732e+00, 3.3924e+00],  
[3.0505e-01, 1.1426e-04, 4.4726e-02],

[1.3803e+01, 1.6636e-02, 1.1627e+00],  
 [7.6660e-01, 2.9976e-04, 6.4567e-02],  
 [2.5212e+02, 1.1343e+00, 5.0629e+00],  
 [2.0712e+01, 7.1443e-02, 1.1658e+00],  
 [2.4981e+00, 2.8218e-03, 1.6820e-01],  
 [1.4527e+00, 3.9345e-04, 1.2205e-01],  
 [5.2833e+01, 2.9048e-01, 1.2580e+00],  
 [4.7767e+00, 2.9509e-03, 2.5975e-01],  
 [1.2650e+01, 3.6320e-03, 1.0820e+00],  
 [9.0448e+00, 5.6819e-04, 3.6654e-01],  
 [3.8789e-02, 2.2274e-07, 5.6112e-03],  
 [7.8889e-02, 2.0692e-06, 1.0014e-02],  
 [5.0374e-02, 2.3056e-06, 7.0732e-03],  
 [5.6962e-02, 5.0383e-07, 8.3363e-03],  
 [1.4763e+02, 2.7784e+00, 3.9588e+00],  
 [7.3712e+00, 3.4658e-02, 7.5027e-01],  
 [5.1491e-01, 9.0266e-05, 7.9149e-02],  
 [5.6354e+00, 2.2024e-03, 3.1043e-01],  
 [2.2690e+01, 1.6257e-01, 8.2070e-01],  
 [9.5197e+01, 1.2661e+00, 3.6539e+00],  
 [3.3844e-01, 3.1095e-05, 3.0261e-02],  
 [1.3768e+00, 4.0818e-05, 1.2826e-01],  
 [1.3216e-01, 1.1014e-05, 1.5459e-02],  
 [2.3717e+01, 2.1014e-01, 9.7978e-01],  
 [2.4354e+01, 4.2806e-02, 6.7799e-01],  
 [5.2752e+01, 1.5254e-01, 2.2528e+00],  
 [6.5675e+01, 8.1855e-01, 1.7479e+00],  
 [1.3583e-04, 9.9820e-12, 2.2367e-05],  
 [9.7736e-01, 5.4720e-05, 1.0289e-01],  
 [4.3905e+00, 4.9372e-03, 2.8939e-01],  
 [1.1843e+02, 1.3337e+00, 2.8016e+00],  
 [2.8142e+01, 4.3107e-02, 8.6554e-01],  
 [1.3221e+00, 3.4666e-05, 9.0756e-02],  
 [1.3747e+00, 3.4674e-04, 8.9937e-02],  
 [5.0794e+01, 1.8119e-01, 2.5381e+00],  
 [6.4399e+01, 2.3625e-01, 1.4950e+00],  
 [3.8909e+01, 5.7241e-02, 1.3386e+00],  
 [3.8084e+01, 3.3484e-01, 1.6141e+00],  
 [6.3129e+01, 7.5153e-01, 2.0707e+00],  
 [2.9339e+02, 1.4745e+01, 5.0679e+00],  
 [2.4018e+01, 1.0674e-02, 9.5068e-01],  
 [8.1964e+00, 9.6664e-03, 4.2206e-01],  
 [8.2335e+01, 8.7010e-01, 1.7612e+00],  
 [4.7322e+01, 4.9744e-01, 1.5627e+00],  
 [3.4051e-01, 5.8358e-05, 3.3287e-02],  
 [2.9144e+00, 2.0927e-03, 2.1568e-01],  
 [1.5630e+00, 1.2127e-03, 1.3028e-01],  
 [1.0865e+01, 4.3379e-02, 4.9120e-01],

[1.0915e+02, 1.5522e+00, 2.1482e+00],  
 [1.8904e-02, 8.1346e-08, 2.7165e-03],  
 [2.3243e+01, 3.6611e-03, 1.1867e+00],  
 [7.0627e-02, 4.3496e-06, 1.0222e-02],  
 [1.7586e+00, 3.3369e-04, 1.1396e-01],  
 [4.9860e+01, 1.0128e-01, 1.7027e+00],  
 [7.9588e+00, 9.9054e-03, 3.5004e-01],  
 [3.2743e+01, 7.7629e-02, 1.3122e+00],  
 [3.1454e+00, 9.8655e-04, 1.9336e-01],  
 [3.6518e+00, 9.4714e-03, 4.2404e-01],  
 [1.4550e+00, 6.9432e-05, 1.2175e-01],  
 [2.0253e+00, 2.5273e-03, 2.4908e-01],  
 [1.8692e+01, 2.4086e-01, 1.5110e+00],  
 [1.5915e+02, 6.5119e+00, 4.1582e+00],  
 [2.9440e+01, 2.2609e-01, 1.6557e+00],  
 [9.2360e-01, 4.7614e-05, 1.1705e-01],  
 [1.2761e-03, 2.9155e-10, 2.0621e-04],  
 [1.7232e+02, 3.5657e+00, 2.9666e+00],  
 [7.7345e+01, 7.4844e-01, 3.2299e+00],  
 [1.1932e-01, 5.1814e-06, 1.6769e-02],  
 [1.6512e+02, 3.8967e+00, 4.7163e+00],  
 [2.7231e-02, 3.6383e-07, 4.1831e-03],  
 [3.4369e+01, 2.0927e-01, 1.7569e+00],  
 [4.3516e+01, 1.6265e-01, 2.0257e+00],  
 [8.0213e+00, 1.5953e-02, 6.6485e-01],  
 [2.5625e+01, 1.6618e-01, 1.1521e+00],  
 [5.7353e+01, 8.4269e-01, 2.0805e+00],  
 [1.7630e+02, 4.2728e+00, 4.0029e+00],  
 [8.2816e+01, 8.0203e-01, 2.2784e+00],  
 [6.7911e+01, 8.6582e-02, 2.9834e+00],  
 [2.8708e+00, 1.9060e-03, 2.3892e-01],  
 [1.7023e-02, 2.2348e-07, 2.5408e-03],  
 [1.7676e+01, 1.7212e-01, 1.4682e+00],  
 [4.8016e+01, 1.3630e-01, 2.0040e+00],  
 [6.6074e+00, 8.1133e-03, 3.6541e-01],  
 [7.0285e-01, 1.1965e-04, 7.1812e-02],  
 [1.4171e+02, 3.0932e+00, 3.4125e+00],  
 [8.4651e-02, 2.8882e-06, 1.1471e-02],  
 [3.6416e-01, 7.6440e-05, 4.8528e-02],  
 [1.4375e+00, 4.9905e-04, 1.4316e-01],  
 [2.5345e+01, 5.9822e-02, 1.2993e+00],  
 [9.2122e+01, 8.3771e-01, 3.0296e+00],  
 [3.6435e-01, 5.3869e-05, 3.1524e-02],  
 [1.6881e+01, 5.1683e-03, 7.9359e-01],  
 [5.3231e+00, 1.0474e-02, 4.5351e-01],  
 [9.1155e-01, 1.2079e-04, 6.2532e-02],  
 [4.2794e+01, 9.9765e-02, 2.0978e+00],  
 [4.1744e-01, 7.2203e-05, 5.5538e-02],



[1.4125e+00, 2.1719e-04, 1.3729e-01],  
 [5.8832e+01, 5.2197e-01, 1.4533e+00],  
 [1.7664e+02, 7.0329e+00, 4.6748e+00],  
 [2.5528e+01, 3.1930e-02, 1.5091e+00],  
 [8.2847e-02, 2.0069e-06, 1.1055e-02],  
 [7.2288e+00, 1.9380e-02, 5.0893e-01],  
 [9.1327e+00, 2.4152e-02, 5.9207e-01],  
 [6.4021e+00, 1.2528e-02, 3.1564e-01],  
 [1.0910e+00, 3.1407e-04, 1.5388e-01],  
 [6.1499e-01, 1.7118e-04, 5.7949e-02],  
 [1.5366e-01, 5.6389e-06, 1.7023e-02],  
 [7.6763e+01, 7.1493e-01, 2.6250e+00],  
 [1.4097e+01, 2.3204e-02, 5.7216e-01],  
 [1.1750e+00, 6.4912e-04, 1.0815e-01],  
 [1.4113e+01, 5.1798e-02, 8.1719e-01],  
 [5.2299e+00, 1.5549e-02, 4.2663e-01],  
 [1.6533e-01, 5.1918e-06, 1.8003e-02],  
 [2.4153e-01, 3.0364e-05, 3.2017e-02],  
 [1.8125e-01, 1.2273e-05, 2.6816e-02],  
 [5.5603e-02, 1.5180e-06, 7.5589e-03],  
 [5.5947e-02, 6.2264e-07, 7.8966e-03],  
 [3.5762e+01, 1.7063e-01, 1.1008e+00],  
 [8.9278e-03, 6.2511e-08, 1.3432e-03],  
 [1.9834e+01, 1.8256e-02, 1.0269e+00],  
 [4.2108e-01, 1.6616e-04, 5.4045e-02],  
 [2.2567e-01, 1.3244e-05, 2.9502e-02],  
 [2.2564e+01, 1.0543e-01, 9.0171e-01],  
 [2.0705e+01, 4.4650e-02, 8.1240e-01],  
 [3.1315e+01, 3.5758e-02, 1.7383e+00],  
 [2.2381e+01, 2.1282e-02, 1.9131e+00],  
 [7.6488e-01, 1.3402e-05, 7.5203e-02],  
 [1.9741e-02, 5.5006e-07, 3.0498e-03],  
 [1.5513e-03, 5.4122e-09, 2.4859e-04],  
 [6.0529e-01, 8.0176e-05, 4.7896e-02],  
 [1.7852e+01, 4.2477e-02, 6.5571e-01],  
 [4.5957e-01, 2.9239e-05, 3.2091e-02],  
 [4.4772e-02, 9.2498e-07, 6.3230e-03],  
 [2.0184e-01, 3.9155e-06, 2.4355e-02],  
 [2.8070e-03, 6.0316e-09, 4.5020e-04],  
 [5.3579e+00, 5.1227e-03, 2.4696e-01],  
 [6.1446e+01, 4.7261e-01, 1.3179e+00],  
 [3.7470e+01, 2.9315e-01, 1.0134e+00],  
 [3.2903e-01, 6.5351e-05, 4.7707e-02],  
 [4.7997e+00, 3.6689e-03, 2.6232e-01],  
 [2.7155e+01, 1.0071e-01, 1.3080e+00],  
 [3.5186e+01, 4.1966e-01, 2.6572e+00],  
 [1.2076e+02, 7.7889e-01, 2.4084e+00],  
 [9.1949e-03, 2.6471e-09, 1.4107e-03],

[1.0456e+01, 2.1537e-02, 4.2058e-01],  
 [6.3038e+00, 3.6607e-02, 6.6229e-01],  
 [1.8419e+02, 6.8032e+00, 4.2014e+00],  
 [4.5356e+00, 5.8003e-03, 2.9618e-01],  
 [3.9481e-04, 2.5551e-11, 6.4834e-05],  
 [6.9179e+01, 8.4651e-01, 2.2168e+00],  
 [3.1468e-01, 3.6564e-05, 2.9042e-02],  
 [3.5899e+01, 2.9820e-01, 1.6481e+00],  
 [1.4158e-01, 8.6242e-06, 1.5114e-02],  
 [3.7603e+01, 1.4891e-01, 2.3987e+00],  
 [1.1334e+00, 5.6560e-04, 1.1186e-01],  
 [5.8492e-02, 1.3354e-06, 8.0139e-03],  
 [5.7833e-02, 2.6151e-07, 8.0334e-03],  
 [7.8690e-01, 3.7435e-04, 8.6350e-02],  
 [2.0943e-01, 1.3740e-06, 2.4850e-02],  
 [5.4119e+01, 1.7199e-01, 1.9262e+00],  
 [4.2983e+00, 2.9220e-03, 2.4564e-01],  
 [2.6713e-01, 1.4151e-05, 2.8755e-02],  
 [6.9038e-02, 1.4749e-06, 8.8218e-03],  
 [5.0551e-01, 2.8676e-05, 4.2312e-02],  
 [3.1757e-02, 6.5517e-07, 4.6296e-03],  
 [2.8820e+00, 4.4650e-03, 3.1936e-01],  
 [1.8903e+01, 9.9606e-02, 1.3482e+00],  
 [8.1080e+00, 5.3487e-03, 9.5385e-01],  
 [2.0065e-04, 1.2459e-11, 3.2961e-05],  
 [1.3537e+00, 4.1828e-04, 1.1919e-01],  
 [3.3521e-01, 4.0341e-05, 3.2924e-02],  
 [3.5653e+00, 1.2903e-03, 4.3377e-01],  
 [7.6452e+01, 1.7307e+00, 3.1457e+00],  
 [1.3492e+02, 1.8962e+00, 3.7618e+00],  
 [8.2812e+01, 7.1884e-01, 2.1371e+00],  
 [3.2859e-01, 2.2898e-05, 3.6950e-02],  
 [2.7619e+00, 1.9660e-03, 2.7004e-01],  
 [5.4346e+01, 5.2296e-01, 2.9843e+00],  
 [7.1293e+01, 1.4343e-01, 1.3911e+00],  
 [2.1823e+00, 1.2551e-03, 1.7949e-01],  
 [2.1071e-01, 3.1893e-06, 2.1312e-02],  
 [5.4335e+00, 9.6016e-04, 5.5293e-01],  
 [9.8759e+00, 1.7423e-02, 1.0504e+00],  
 [3.1143e+00, 2.7048e-04, 1.9783e-01],  
 [1.8663e+01, 4.3362e-02, 1.0476e+00],  
 [7.3002e+01, 1.2744e-01, 3.0597e+00],  
 [4.3994e+01, 6.3797e-01, 1.7816e+00],  
 [1.2395e+01, 7.8985e-02, 6.6550e-01],  
 [4.2880e+00, 3.0644e-03, 2.8549e-01],  
 [7.9207e+01, 7.2794e-01, 2.9155e+00],  
 [7.4314e+01, 1.2617e+00, 3.3541e+00],  
 [2.5427e+01, 4.3061e-02, 1.7485e+00],

[1.7856e-01, 2.7895e-05, 2.0802e-02],  
 [5.5833e+01, 2.0122e-01, 1.4679e+00],  
 [1.7433e-01, 1.2808e-05, 1.7827e-02],  
 [1.2948e+00, 1.1360e-03, 1.3497e-01],  
 [8.0189e+00, 2.5549e-02, 4.3255e-01],  
 [3.2839e-01, 4.3047e-05, 4.5191e-02],  
 [4.9207e+01, 1.9438e-01, 2.0318e+00],  
 [7.4812e-01, 2.4883e-04, 9.2102e-02],  
 [2.5641e+00, 8.1850e-05, 1.5166e-01],  
 [1.2895e-01, 3.8519e-06, 1.5138e-02],  
 [5.3988e-03, 6.3574e-09, 8.5157e-04],  
 [3.1162e-01, 1.9194e-06, 3.7424e-02],  
 [2.0879e+00, 1.2858e-03, 1.8864e-01],  
 [9.5772e+00, 1.1849e-02, 4.0635e-01],  
 [7.5752e+01, 5.3815e-01, 1.9539e+00],  
 [1.2651e-01, 1.4425e-05, 1.7037e-02],  
 [1.6497e+02, 2.4443e+00, 3.8614e+00],  
 [5.3404e+01, 6.5136e-01, 1.9633e+00],  
 [1.1648e+00, 2.2035e-04, 1.0381e-01],  
 [4.2358e+01, 1.6305e-01, 1.4028e+00],  
 [3.6376e-02, 3.4451e-07, 4.9621e-03],  
 [8.6736e+01, 1.5108e+00, 3.6190e+00],  
 [3.6317e+01, 2.0619e-01, 1.1642e+00],  
 [1.0150e+02, 4.2016e-01, 3.0124e+00],  
 [1.8572e+01, 1.4269e-02, 6.5967e-01],  
 [3.7528e+00, 1.8719e-03, 2.7792e-01],  
 [5.1823e-02, 1.7259e-06, 6.8201e-03],  
 [1.0215e+00, 1.6705e-04, 6.9593e-02],  
 [3.5742e+01, 1.1574e-01, 1.3702e+00],  
 [2.9293e-01, 9.3440e-06, 3.0738e-02],  
 [2.4591e+01, 9.7709e-03, 1.5970e+00],  
 [1.7961e+02, 3.9153e+00, 3.7710e+00],  
 [1.5161e+02, 3.2154e+00, 3.0871e+00],  
 [7.7380e-02, 3.2313e-06, 1.1760e-02],  
 [5.4929e+00, 7.4334e-03, 3.4205e-01],  
 [2.6722e+00, 1.7021e-03, 1.5599e-01],  
 [1.7381e+01, 1.5733e-01, 1.4353e+00],  
 [8.8307e+00, 2.4995e-03, 4.2441e-01],  
 [7.5660e+00, 8.3588e-03, 4.3332e-01],  
 [4.6690e-02, 9.6964e-07, 6.6036e-03],  
 [9.2252e+01, 2.7361e+00, 2.9444e+00],  
 [2.1221e-01, 2.6097e-05, 2.2243e-02],  
 [2.1415e-01, 3.2995e-05, 2.9279e-02],  
 [4.7429e-02, 1.6157e-07, 6.7476e-03],  
 [7.7711e-04, 8.8253e-11, 1.2768e-04],  
 [1.7227e+01, 7.4794e-02, 7.1329e-01],  
 [8.5290e-02, 1.1243e-06, 1.1855e-02],  
 [5.2732e+01, 2.2149e-01, 1.6796e+00],

```

[5.1922e-01, 7.8074e-05, 4.6697e-02],
[1.4971e+02, 4.2502e+00, 3.9673e+00],
[5.8583e+01, 2.8226e-01, 1.3579e+00],
[7.3118e-02, 2.1088e-06, 9.4423e-03],
[7.9042e+00, 1.6289e-02, 8.3415e-01],
[2.6708e+01, 1.3745e-01, 8.8159e-01],
[2.8652e+01, 5.5310e-02, 8.5177e-01],
[2.6849e+00, 2.7789e-03, 2.2852e-01],
[1.2270e+02, 8.9057e-01, 4.5240e+00],
[1.3517e-01, 4.8474e-06, 1.7988e-02],
[4.6984e+01, 3.5183e-01, 1.6877e+00],
[4.2626e+01, 7.6302e-02, 1.5678e+00]], dtype=torch.float64)
Iteration: 38
Inputs: tensor([[2.0232e+19, 3.5266e+02, 2.5628e+00, 2.2596e+00],
[1.0359e+20, 2.8755e+02, 5.9739e+00, 4.3166e+00],
[4.4115e+20, 4.0384e+02, 1.7211e+01, 7.6673e+00],
...,
[7.3669e+20, 1.6983e+02, 4.5134e+00, 4.7164e+00],
[3.3193e+20, 4.8853e+02, 5.9989e+00, 2.1294e+00],
[6.5868e+18, 2.4207e+02, 1.9612e+01, 4.8744e+00]], dtype=torch.float64)
Target: tensor([[1.0969e+01, 1.7652e-03, 4.6970e-01],
[4.0950e+01, 1.0397e-01, 1.3755e+00],
[1.1827e+02, 3.0704e+00, 3.1991e+00],
[2.1721e+01, 1.5892e-01, 1.0715e+00],
[1.3874e+02, 3.7488e+00, 3.9531e+00],
[8.0488e+01, 6.6830e-01, 2.6232e+00],
[6.6151e-01, 2.9370e-04, 8.7151e-02],
[2.8053e+00, 2.9904e-03, 2.5205e-01],
[5.7079e+01, 2.7431e-01, 2.0821e+00],
[6.0061e+01, 1.0588e+00, 2.2417e+00],
[2.7501e-01, 5.0511e-05, 2.6207e-02],
[4.1611e-01, 1.3267e-05, 3.3808e-02],
[1.0620e+01, 6.9617e-03, 3.3320e-01],
[6.8339e+01, 8.2487e-01, 2.6256e+00],
[1.2878e+02, 1.5671e+00, 3.8793e+00],
[4.2545e-04, 4.2796e-11, 7.0051e-05],
[6.6049e+01, 1.5621e-01, 2.9600e+00],
[8.8210e+01, 1.8762e+00, 2.9293e+00],
[1.4151e+00, 5.5961e-04, 1.3019e-01],
[2.5295e+01, 2.5909e-02, 1.1757e+00],
[1.1283e+01, 1.2721e-02, 7.5085e-01],
[3.9179e+01, 1.2672e-01, 1.7736e+00],
[1.2851e+01, 8.6808e-02, 1.0938e+00],
[1.7966e+02, 3.2028e+00, 3.3061e+00],
[1.7929e+02, 4.6670e-01, 3.3183e+00],
[6.5421e-02, 4.2875e-06, 9.2292e-03],
[1.1111e-01, 3.2765e-06, 1.2561e-02],
[8.8641e-01, 7.8420e-04, 1.1652e-01],

```

[1.9531e-02, 4.9189e-07, 2.9394e-03],  
 [2.2063e-01, 1.0895e-05, 2.7996e-02],  
 [1.4452e+00, 6.6479e-04, 1.0407e-01],  
 [3.6179e+01, 6.3878e-02, 2.3046e+00],  
 [7.7576e-02, 5.5829e-06, 9.9749e-03],  
 [6.5779e+00, 8.4147e-03, 3.4113e-01],  
 [4.0186e+00, 5.7927e-04, 2.9594e-01],  
 [2.0919e-02, 2.3962e-07, 3.0266e-03],  
 [7.6360e+00, 2.0754e-02, 4.3337e-01],  
 [9.8463e+01, 2.1950e-01, 2.7850e+00],  
 [1.9134e+01, 7.2531e-02, 8.1750e-01],  
 [2.5039e+00, 1.3821e-03, 1.8390e-01],  
 [3.5690e+00, 1.7603e-03, 2.6812e-01],  
 [2.5531e-01, 4.1977e-05, 2.9484e-02],  
 [2.6780e+00, 9.3828e-03, 3.3167e-01],  
 [2.3172e-01, 1.4916e-05, 2.6769e-02],  
 [3.6124e+00, 1.0825e-03, 2.3390e-01],  
 [5.6533e+01, 1.0575e+00, 2.9930e+00],  
 [8.8830e+00, 9.1522e-04, 4.3893e-01],  
 [6.6532e+01, 1.9568e-01, 2.7843e+00],  
 [2.0871e+01, 5.3355e-02, 9.6730e-01],  
 [8.5169e+01, 8.0214e-01, 2.4532e+00],  
 [3.3354e+01, 1.1667e-01, 1.8975e+00],  
 [1.5257e+02, 4.8503e+00, 4.2163e+00],  
 [3.3602e-01, 2.3968e-05, 3.0126e-02],  
 [7.2242e+01, 2.0995e-01, 2.7101e+00],  
 [1.4084e+01, 1.0895e-01, 9.0063e-01],  
 [6.4875e+01, 4.5483e-01, 1.5962e+00],  
 [2.3823e+01, 4.7027e-02, 1.7241e+00],  
 [4.5061e-02, 8.0587e-07, 6.4804e-03],  
 [6.4452e-01, 1.3251e-05, 5.4349e-02],  
 [5.5174e-03, 1.8746e-09, 8.4834e-04],  
 [2.1998e+00, 1.7332e-04, 1.9798e-01],  
 [3.9762e+00, 4.3774e-03, 3.6564e-01],  
 [2.5599e+00, 3.2296e-04, 2.0128e-01],  
 [1.0234e+01, 3.7539e-03, 6.3012e-01],  
 [1.2366e+02, 9.5737e-01, 2.4459e+00],  
 [5.8361e+01, 2.0461e-01, 1.5045e+00],  
 [7.0077e-01, 1.4641e-04, 5.6014e-02],  
 [1.0208e+00, 2.4659e-04, 8.1503e-02],  
 [1.2503e+01, 5.0845e-03, 1.0255e+00],  
 [8.4210e+00, 1.5641e-02, 5.5219e-01],  
 [2.2190e+00, 1.7190e-03, 1.8525e-01],  
 [2.3341e+02, 8.8533e+00, 5.0667e+00],  
 [3.2555e+00, 4.8163e-03, 2.2571e-01],  
 [1.5170e+00, 4.3756e-04, 1.5284e-01],  
 [3.7467e-01, 6.5812e-05, 5.1418e-02],  
 [1.5862e-01, 1.0939e-05, 1.8633e-02],

[5.2058e+01, 1.0506e+00, 2.1864e+00],  
 [1.0220e-01, 3.0293e-06, 1.2171e-02],  
 [8.5456e+00, 7.6130e-03, 3.4462e-01],  
 [5.7568e+01, 9.0944e-01, 1.9434e+00],  
 [8.3298e-01, 2.1017e-04, 7.0160e-02],  
 [1.5702e+02, 5.5863e-02, 3.8228e+00],  
 [1.2092e+02, 1.6763e+00, 2.8031e+00],  
 [5.3235e+01, 7.8678e-01, 2.7210e+00],  
 [5.1578e+00, 2.9453e-03, 3.7578e-01],  
 [1.9615e+01, 3.6050e-02, 1.7135e+00],  
 [3.5947e-01, 4.7584e-05, 2.8566e-02],  
 [2.4406e+02, 2.0205e+00, 3.9228e+00],  
 [5.9277e+01, 2.4161e-01, 2.5405e+00],  
 [7.0575e+00, 4.9526e-03, 4.9699e-01],  
 [7.2945e+00, 5.3715e-03, 3.8609e-01],  
 [4.1297e-01, 2.4779e-05, 5.6981e-02],  
 [2.2392e+00, 2.7376e-04, 1.3854e-01],  
 [1.0249e+00, 1.6804e-04, 1.1581e-01],  
 [3.4323e+00, 1.1415e-03, 1.5571e-01],  
 [1.4351e-01, 7.4102e-06, 1.5427e-02],  
 [2.2061e+01, 2.6092e-02, 1.2606e+00],  
 [2.3133e-02, 1.7556e-07, 3.6945e-03],  
 [1.3244e+01, 4.2917e-02, 7.2137e-01],  
 [1.4295e+02, 3.7819e+00, 3.5923e+00],  
 [3.1062e+01, 1.4986e-01, 1.7198e+00],  
 [3.6624e+01, 1.6033e-02, 1.0396e+00],  
 [2.3248e-01, 4.8823e-06, 2.6360e-02],  
 [4.4931e+01, 5.2624e-01, 1.7605e+00],  
 [2.8181e+01, 1.7913e-01, 1.0338e+00],  
 [4.3620e+00, 1.9215e-03, 2.1054e-01],  
 [1.2208e+02, 9.0425e-01, 3.1581e+00],  
 [1.1788e-01, 8.2094e-06, 1.4173e-02],  
 [2.4377e+01, 4.7393e-02, 9.0966e-01],  
 [1.0764e+00, 2.4091e-05, 7.7126e-02],  
 [5.9462e+00, 4.7584e-03, 4.0470e-01],  
 [4.6353e+01, 1.2359e-01, 1.0986e+00],  
 [1.6238e+01, 3.7424e-02, 9.1022e-01],  
 [2.3833e+00, 1.2431e-03, 2.1659e-01],  
 [2.2995e+01, 4.4522e-02, 1.0603e+00],  
 [6.1854e+01, 6.0595e-01, 2.1583e+00],  
 [1.3814e-01, 4.7913e-06, 2.0599e-02],  
 [9.4864e-03, 4.0334e-08, 1.4230e-03],  
 [1.3229e+00, 2.2261e-04, 8.8280e-02],  
 [3.2206e-02, 1.8065e-07, 4.9174e-03],  
 [1.4156e+02, 3.4806e+00, 4.3782e+00],  
 [2.0742e+02, 4.3648e+00, 4.8872e+00],  
 [7.7335e+01, 6.7589e-01, 1.5505e+00],  
 [4.7334e+00, 3.6351e-03, 3.7134e-01],

[6.9267e+01, 4.8950e-01, 1.9943e+00],  
 [8.7395e+01, 4.2560e-01, 1.6104e+00],  
 [9.6073e+01, 1.4514e+00, 3.6917e+00],  
 [4.8046e+01, 2.6160e-02, 1.6990e+00],  
 [5.4132e+01, 1.7254e-01, 3.0361e+00],  
 [1.9055e+02, 3.9542e+00, 4.5977e+00],  
 [2.9536e-02, 8.8328e-07, 4.4783e-03],  
 [7.8146e-04, 3.3667e-10, 1.2661e-04],  
 [1.7370e+02, 1.9602e+00, 3.1234e+00],  
 [2.3898e+01, 1.1332e-01, 8.7703e-01],  
 [7.8685e+01, 8.1930e-01, 3.5311e+00],  
 [1.2548e+00, 2.4424e-04, 7.0882e-02],  
 [8.2645e+01, 1.8297e+00, 2.6543e+00],  
 [1.4651e+01, 4.1649e-02, 6.7790e-01],  
 [1.0280e+00, 1.4754e-04, 1.1636e-01],  
 [1.0872e+02, 1.8772e+00, 2.4848e+00],  
 [1.6611e+01, 2.4993e-02, 6.1371e-01],  
 [7.1444e-01, 5.9131e-05, 8.2722e-02],  
 [4.9110e-03, 1.6166e-08, 7.7013e-04],  
 [1.5535e+01, 3.4344e-02, 9.5054e-01],  
 [1.9494e-01, 1.1956e-05, 1.9986e-02],  
 [2.4637e+00, 7.8781e-04, 1.7924e-01],  
 [2.5133e+02, 7.2614e+00, 4.1781e+00],  
 [1.0505e+00, 3.6668e-04, 1.0707e-01],  
 [5.9699e-02, 4.5063e-06, 9.0925e-03],  
 [4.2763e+01, 6.1635e-01, 1.3361e+00],  
 [5.4947e+00, 5.9251e-03, 3.9120e-01],  
 [7.3481e-01, 3.9114e-05, 5.3548e-02],  
 [2.9882e+00, 1.8421e-03, 2.6911e-01],  
 [1.4376e-01, 6.6071e-06, 1.6354e-02],  
 [3.3040e+01, 9.6785e-02, 2.4223e+00],  
 [5.9960e+00, 1.5241e-03, 4.3192e-01],  
 [4.8419e-01, 1.1614e-04, 5.8808e-02],  
 [6.8623e+01, 4.3729e-01, 1.3528e+00],  
 [3.8567e-01, 4.6965e-05, 3.9656e-02],  
 [4.0967e+00, 1.7740e-03, 3.2256e-01],  
 [5.6967e-01, 1.1100e-05, 3.5990e-02],  
 [2.9375e+00, 5.6897e-03, 3.0620e-01],  
 [1.9778e-01, 1.4889e-05, 2.6687e-02],  
 [5.4769e-02, 1.1574e-06, 7.7919e-03],  
 [1.4271e+01, 2.1135e-02, 4.8266e-01],  
 [1.3800e+01, 7.2914e-02, 1.0711e+00],  
 [1.3905e-01, 1.3690e-06, 1.5592e-02],  
 [2.1282e-01, 2.0422e-05, 2.7599e-02],  
 [2.0067e+01, 3.6906e-02, 5.3551e-01],  
 [3.2667e-01, 5.8966e-05, 4.3327e-02],  
 [1.9199e+02, 2.6147e+00, 3.8906e+00],  
 [9.0638e+00, 6.4594e-03, 3.5544e-01],

[8.1807e+01, 5.6854e-01, 1.8452e+00],  
 [9.0030e+01, 9.3952e-01, 1.7733e+00],  
 [3.9836e-01, 4.1537e-05, 4.1836e-02],  
 [1.6311e+02, 2.8027e+00, 2.6256e+00],  
 [3.3134e+01, 6.0299e-02, 1.8467e+00],  
 [1.3613e+02, 4.1427e+00, 3.6294e+00],  
 [3.0189e+01, 5.5580e-02, 1.0850e+00],  
 [1.4560e+01, 6.9619e-03, 5.3491e-01],  
 [2.0901e+01, 1.9699e-01, 1.0738e+00],  
 [3.7976e+00, 6.2906e-03, 2.7520e-01],  
 [7.2397e-01, 5.8110e-05, 8.0950e-02],  
 [1.5450e+01, 5.6540e-02, 5.5431e-01],  
 [3.4017e+00, 1.4384e-04, 1.5269e-01],  
 [1.0369e+02, 3.1307e+00, 2.6318e+00],  
 [1.6174e+01, 7.3293e-02, 6.4042e-01],  
 [2.6661e-02, 2.8437e-07, 4.1344e-03],  
 [2.0255e+02, 2.0981e+00, 3.2686e+00],  
 [1.5152e-01, 1.0249e-05, 1.7654e-02],  
 [5.2173e+00, 2.6800e-03, 2.7706e-01],  
 [3.6521e+00, 2.5571e-03, 2.4754e-01],  
 [2.5346e+01, 2.1549e-01, 9.7462e-01],  
 [4.7121e+00, 7.0774e-03, 2.8301e-01],  
 [1.7390e+01, 1.0335e-02, 1.1828e+00],  
 [6.5645e+01, 1.1500e+00, 3.5110e+00],  
 [1.5713e+01, 3.8725e-02, 6.4521e-01],  
 [1.1231e-01, 1.4130e-05, 1.3535e-02],  
 [1.7531e+00, 8.6962e-05, 1.4807e-01],  
 [1.3881e+00, 1.5305e-04, 1.4471e-01],  
 [6.7656e+01, 6.9209e-01, 2.9965e+00],  
 [3.0450e-02, 3.1198e-07, 4.5896e-03],  
 [8.0218e-01, 4.0578e-05, 8.0373e-02],  
 [3.0597e-02, 3.5942e-07, 4.6083e-03],  
 [6.2679e-02, 8.1750e-07, 8.0520e-03],  
 [5.6629e-01, 4.0399e-05, 6.9528e-02],  
 [1.8763e+00, 1.7388e-04, 1.0684e-01],  
 [1.6158e+01, 4.1678e-02, 6.6824e-01],  
 [7.1951e+00, 3.6347e-03, 4.6804e-01],  
 [2.8039e+02, 1.2126e+01, 4.8198e+00],  
 [5.4035e+00, 1.0097e-03, 2.2609e-01],  
 [4.3731e+01, 3.9186e-01, 1.4643e+00],  
 [2.3151e-02, 4.1551e-08, 3.4915e-03],  
 [1.2803e+01, 6.4842e-02, 1.0683e+00],  
 [7.3996e+01, 3.7107e-01, 2.5730e+00],  
 [7.7189e+01, 1.0216e+00, 3.1531e+00],  
 [3.0087e+01, 9.1679e-02, 1.4159e+00],  
 [1.7734e+00, 2.9737e-04, 1.4814e-01],  
 [1.4337e+01, 2.9791e-02, 6.3101e-01],  
 [4.4612e+00, 5.9989e-03, 4.1472e-01],



[2.8520e+00, 7.7249e-04, 1.6688e-01],  
 [2.8806e+01, 1.6413e-01, 1.4907e+00],  
 [2.1843e+02, 2.6374e+00, 4.3842e+00],  
 [1.8099e-01, 9.7602e-06, 2.3388e-02],  
 [1.3839e-01, 5.2682e-06, 1.4770e-02],  
 [6.6544e+00, 1.6479e-02, 3.8076e-01],  
 [7.3643e+00, 6.1709e-03, 3.4813e-01],  
 [2.1185e+00, 1.3218e-03, 1.5130e-01],  
 [4.8303e+01, 3.5628e-01, 1.5932e+00],  
 [9.1860e+00, 6.5476e-04, 4.2035e-01],  
 [3.7950e+01, 7.9423e-02, 1.9625e+00],  
 [2.6910e-02, 7.4989e-08, 4.0198e-03],  
 [1.2518e+01, 2.7461e-02, 4.9996e-01],  
 [2.3401e+00, 2.2409e-03, 2.7239e-01],  
 [1.0190e+00, 1.4288e-03, 1.2027e-01],  
 [5.5444e+01, 6.8336e-02, 1.3690e+00],  
 [1.8890e+01, 1.0631e-01, 1.2158e+00],  
 [4.6847e+00, 1.3898e-03, 2.5938e-01],  
 [5.4380e-01, 4.8468e-05, 5.6374e-02],  
 [2.4155e-01, 4.6754e-05, 3.2563e-02],  
 [2.0102e-02, 6.4525e-07, 3.0016e-03],  
 [5.9302e-03, 2.5547e-08, 9.2663e-04],  
 [2.7413e+00, 1.8860e-03, 3.0711e-01],  
 [1.8072e+01, 2.2983e-02, 1.4522e+00],  
 [3.9058e+00, 2.3465e-03, 2.5613e-01],  
 [2.4731e+01, 2.2370e-01, 1.7515e+00],  
 [1.8089e+02, 3.7615e+00, 4.7628e+00],  
 [5.8598e+01, 4.0670e-01, 2.0969e+00],  
 [2.2088e-01, 2.4947e-05, 2.0929e-02],  
 [4.2670e+01, 5.8943e-02, 1.8388e+00],  
 [1.7956e-01, 1.4170e-05, 2.5254e-02],  
 [2.3959e+01, 1.1760e-01, 8.6511e-01],  
 [6.4274e+01, 5.4323e-01, 1.5161e+00],  
 [3.0571e+01, 1.6735e-01, 1.0871e+00],  
 [5.6486e+01, 5.6775e-02, 2.8013e+00],  
 [4.7484e+01, 2.5897e-01, 1.9427e+00],  
 [1.2680e+02, 2.0705e+00, 2.1171e+00],  
 [3.2685e+00, 1.8858e-03, 2.4574e-01],  
 [1.0787e+00, 4.2205e-04, 9.7699e-02],  
 [6.2699e+00, 4.8153e-03, 3.3066e-01],  
 [1.0280e-01, 1.2042e-06, 1.1894e-02],  
 [7.5059e+01, 3.3352e-01, 2.7476e+00],  
 [2.6434e+00, 1.9928e-03, 2.0301e-01],  
 [1.7543e+02, 6.4511e-01, 2.9630e+00],  
 [1.4174e+00, 3.4209e-04, 1.6020e-01],  
 [3.4360e-03, 1.6582e-08, 5.5085e-04],  
 [1.3403e+01, 3.1324e-02, 6.2202e-01],  
 [1.8592e+00, 6.4609e-04, 1.7059e-01],

[2.7531e+00, 1.8028e-03, 3.0187e-01],  
 [7.3327e+01, 1.1043e+00, 2.8411e+00],  
 [8.5496e+01, 7.9892e-01, 2.7016e+00],  
 [1.5453e+00, 4.6886e-04, 1.0349e-01],  
 [3.8131e+01, 2.3707e-01, 1.2224e+00],  
 [1.9164e+02, 3.3226e+00, 4.5281e+00],  
 [2.2598e-02, 2.0358e-07, 3.3693e-03],  
 [4.2059e-01, 8.1745e-05, 4.7479e-02],  
 [6.9132e-01, 1.6738e-04, 5.9895e-02],  
 [6.7829e+01, 8.0145e-01, 2.4449e+00],  
 [2.1947e+00, 1.2929e-03, 1.6287e-01],  
 [3.9849e+01, 2.8279e-01, 1.4356e+00],  
 [2.5834e+00, 8.6690e-04, 2.8381e-01],  
 [7.3644e+00, 1.0687e-02, 4.4071e-01],  
 [6.7475e+00, 6.9332e-03, 5.6311e-01],  
 [2.5515e-03, 1.8056e-09, 4.0855e-04],  
 [5.0475e+00, 4.8833e-03, 2.5328e-01],  
 [3.0031e+00, 1.3999e-03, 1.5630e-01],  
 [3.2042e-02, 1.9295e-07, 4.8164e-03],  
 [3.3974e+01, 1.2647e-01, 1.0216e+00],  
 [9.6136e-01, 1.6503e-04, 1.0047e-01],  
 [2.1832e+01, 4.3571e-02, 8.3604e-01],  
 [1.9532e-01, 2.8966e-05, 2.2500e-02],  
 [4.4334e+00, 9.1602e-03, 2.9051e-01],  
 [5.6240e+00, 1.2056e-02, 3.8647e-01],  
 [1.2663e+02, 2.4222e+00, 3.3906e+00],  
 [7.7433e+00, 4.0251e-03, 2.7805e-01],  
 [8.8302e-02, 3.0202e-06, 1.0758e-02],  
 [1.5679e-03, 7.1484e-10, 2.5142e-04],  
 [3.1213e+01, 1.6272e-01, 1.5935e+00],  
 [9.4628e+00, 7.7072e-03, 5.9433e-01],  
 [8.6356e+01, 2.5624e-01, 2.1306e+00],  
 [1.0098e+02, 1.1736e+00, 3.4795e+00],  
 [6.9662e-01, 1.6071e-04, 8.7252e-02],  
 [5.5345e+01, 1.3653e-02, 1.7648e+00],  
 [2.4291e+01, 1.8947e-01, 8.4503e-01],  
 [2.0782e-03, 4.7795e-09, 3.3507e-04],  
 [6.7504e+01, 2.8858e-01, 1.6720e+00],  
 [3.5241e+00, 2.9992e-03, 2.9224e-01],  
 [1.2275e+02, 2.9434e+00, 2.9404e+00],  
 [1.1302e+01, 1.6340e-02, 9.2362e-01],  
 [6.2581e+01, 1.2382e+00, 1.6465e+00],  
 [1.4063e+02, 3.9199e-01, 3.3380e+00],  
 [3.5898e+00, 2.4273e-03, 4.2197e-01],  
 [4.3041e+00, 2.8115e-03, 2.2883e-01],  
 [2.5715e+02, 4.0869e+00, 3.8200e+00],  
 [3.8393e+01, 6.1911e-02, 1.9512e+00],  
 [4.7407e+01, 3.3516e-01, 1.0442e+00],

```

[1.7947e+00, 3.0994e-04, 1.1498e-01],
[1.2972e+02, 9.0584e-01, 4.0769e+00],
[9.9142e+01, 1.9897e-01, 2.7362e+00],
[4.8087e-01, 1.0415e-04, 5.4901e-02]], dtype=torch.float64)
Iteration: 39
Inputs: tensor([[5.3486e+18, 3.3205e+02, 8.6502e+00, 5.1476e+00],
[7.2705e+18, 4.3685e+02, 2.2099e+00, 2.7303e+00],
[1.6506e+18, 4.5904e+02, 2.6468e+00, 1.9835e+00],
...,
[3.0204e+19, 2.1937e+02, 8.6865e-01, 8.0877e+00],
[1.2289e+19, 9.3515e+01, 1.1596e+00, 2.1658e+00],
[3.6185e+20, 2.8298e+02, 1.5972e+01, 2.2411e+00]], dtype=torch.float64)
Target: tensor([[1.4821e+00, 3.1202e-04, 1.1475e-01],
[4.6442e+00, 3.5804e-04, 2.2012e-01],
[5.0481e-01, 4.7274e-06, 4.0885e-02],
[2.1207e-01, 3.2253e-05, 2.1678e-02],
[7.7662e+00, 4.2549e-03, 4.1348e-01],
[5.8066e+00, 1.1272e-02, 3.7420e-01],
[2.0293e+00, 5.8026e-04, 2.4654e-01],
[1.3389e+02, 2.4540e-01, 4.0460e+00],
[2.3233e-01, 2.0326e-05, 2.5320e-02],
[3.6845e+01, 1.2865e-01, 2.0488e+00],
[5.5241e+01, 5.4505e-01, 2.4070e+00],
[1.6049e+02, 2.8334e+00, 3.3858e+00],
[1.7758e+01, 4.7709e-02, 9.6366e-01],
[1.1237e+00, 8.8151e-05, 9.5829e-02],
[4.3597e+00, 5.9228e-03, 3.1156e-01],
[6.2122e+00, 5.4496e-04, 2.9497e-01],
[7.2433e+01, 1.6932e-01, 1.9870e+00],
[3.9278e+01, 3.4771e-01, 1.1161e+00],
[1.0991e+02, 7.6095e-01, 3.9266e+00],
[6.1977e+01, 3.7739e-01, 1.4374e+00],
[7.4375e+01, 6.5168e-01, 1.5700e+00],
[2.8464e-01, 1.3949e-05, 2.5614e-02],
[8.8200e+00, 1.4444e-02, 4.1678e-01],
[7.9081e-01, 1.6619e-04, 1.0649e-01],
[2.5284e+00, 2.7853e-04, 2.0403e-01],
[8.5201e+01, 1.3033e+00, 2.5583e+00],
[3.0561e-02, 1.0351e-06, 4.3089e-03],
[1.0088e+02, 9.9616e-01, 2.8997e+00],
[4.2939e-01, 5.2525e-05, 4.1315e-02],
[9.8210e+00, 5.4391e-03, 8.8899e-01],
[7.5911e+01, 3.7728e-01, 2.1095e+00],
[5.0207e-01, 1.9735e-05, 4.5807e-02],
[1.0856e+01, 9.6700e-03, 9.2580e-01],
[2.1058e+01, 4.4698e-02, 6.9532e-01],
[1.3243e+00, 7.7482e-04, 9.9591e-02],
[1.3285e+01, 4.0537e-02, 8.2616e-01],

```

[1.6030e-01, 1.5358e-05, 1.8963e-02],  
 [5.5201e-02, 6.3864e-07, 7.1277e-03],  
 [1.6423e-01, 6.0847e-06, 1.7154e-02],  
 [1.0841e+02, 6.3681e-01, 3.5330e+00],  
 [2.0120e+01, 6.2049e-02, 1.2878e+00],  
 [4.7875e+01, 6.8230e-01, 3.1263e+00],  
 [1.5940e+02, 5.4008e+00, 4.6352e+00],  
 [1.3681e+02, 1.1268e+00, 2.2866e+00],  
 [3.6028e+00, 1.9831e-03, 3.3646e-01],  
 [1.1493e+01, 1.9292e-03, 4.1677e-01],  
 [1.6165e+00, 4.5589e-04, 1.6904e-01],  
 [4.0920e+01, 6.2406e-02, 1.6010e+00],  
 [7.8814e-01, 2.4444e-04, 6.9787e-02],  
 [4.0326e-01, 2.8319e-04, 5.5367e-02],  
 [3.6739e+01, 2.4982e-01, 1.2927e+00],  
 [6.6062e-01, 3.5688e-05, 8.4573e-02],  
 [2.4951e+00, 2.2137e-03, 2.2857e-01],  
 [6.6491e-02, 1.2908e-06, 8.7063e-03],  
 [7.4860e+00, 1.0249e-02, 4.2627e-01],  
 [8.3044e+00, 1.2066e-02, 8.4630e-01],  
 [5.7269e+01, 4.1784e-01, 1.9559e+00],  
 [6.5882e+01, 6.8317e-01, 1.9079e+00],  
 [1.7529e+01, 1.9840e-03, 5.9069e-01],  
 [1.1515e+01, 6.1103e-02, 9.0964e-01],  
 [1.4221e+01, 2.6688e-02, 7.0845e-01],  
 [6.7825e-01, 2.2238e-04, 8.2221e-02],  
 [2.0832e-01, 8.0582e-06, 2.0945e-02],  
 [1.2564e-02, 2.9493e-08, 1.8915e-03],  
 [4.5805e+01, 6.1168e-02, 2.0747e+00],  
 [2.4895e+01, 1.9486e-01, 1.3890e+00],  
 [1.2459e-01, 1.4556e-05, 1.6417e-02],  
 [6.6102e-01, 3.8278e-06, 4.5329e-02],  
 [3.0167e+01, 1.7004e-01, 1.1450e+00],  
 [2.5662e+00, 3.8940e-04, 1.2193e-01],  
 [8.3382e+01, 5.9868e-01, 2.2984e+00],  
 [1.8249e-01, 3.7531e-05, 2.5790e-02],  
 [1.9058e+00, 5.4964e-04, 1.7380e-01],  
 [3.6222e+01, 3.7995e-01, 1.2935e+00],  
 [5.2157e+00, 1.8486e-03, 3.8481e-01],  
 [5.5003e+00, 7.9990e-03, 3.3016e-01],  
 [6.5479e-02, 3.2040e-06, 8.9519e-03],  
 [9.7923e-02, 1.4879e-06, 1.1369e-02],  
 [7.7295e+01, 1.1358e+00, 2.5518e+00],  
 [2.6984e+02, 5.4976e+00, 4.7103e+00],  
 [4.9379e+00, 8.5864e-04, 3.9245e-01],  
 [8.4424e-01, 2.1486e-04, 1.1646e-01],  
 [1.0708e+01, 2.6005e-02, 6.3779e-01],  
 [3.0844e+02, 1.2047e+01, 4.7973e+00],

[1.4059e+02, 2.2331e+00, 4.3785e+00],  
 [5.3527e+01, 5.9572e-02, 2.6228e+00],  
 [1.5289e+01, 5.1454e-03, 6.7146e-01],  
 [8.2792e+00, 2.8865e-02, 5.9339e-01],  
 [1.3110e+01, 2.8801e-02, 1.0529e+00],  
 [4.7911e+01, 3.9576e-01, 1.9726e+00],  
 [9.0209e-02, 4.0320e-06, 1.2876e-02],  
 [7.2037e-03, 7.0958e-08, 1.1286e-03],  
 [1.6384e+00, 3.3103e-04, 1.3464e-01],  
 [1.7362e+00, 1.3725e-03, 2.0106e-01],  
 [1.6729e-02, 4.9542e-08, 2.4524e-03],  
 [1.8071e+00, 7.4417e-04, 1.7839e-01],  
 [2.2768e+01, 1.4592e-02, 1.5773e+00],  
 [3.4698e+01, 2.9853e-01, 1.5095e+00],  
 [8.1766e-02, 4.9255e-06, 1.1688e-02],  
 [1.3818e+00, 2.1995e-04, 1.4367e-01],  
 [1.3567e+02, 2.9315e-01, 2.8094e+00],  
 [4.1132e+01, 1.4459e-01, 1.2001e+00],  
 [1.6159e+00, 3.6121e-04, 1.9510e-01],  
 [4.2172e+01, 1.5679e-01, 1.6716e+00],  
 [1.0247e-02, 6.6190e-08, 1.5348e-03],  
 [8.8420e+00, 3.3060e-02, 7.2021e-01],  
 [4.2268e+01, 1.1298e-01, 1.2476e+00],  
 [1.6434e+01, 1.4573e-02, 7.6143e-01],  
 [2.9232e-03, 1.7829e-08, 4.6611e-04],  
 [1.8417e-03, 5.3679e-10, 2.9877e-04],  
 [3.2510e+01, 3.6639e-02, 8.6505e-01],  
 [2.3074e-01, 3.6913e-05, 3.0560e-02],  
 [2.1228e+00, 7.2974e-04, 1.5237e-01],  
 [9.5017e+01, 7.6768e-01, 3.0396e+00],  
 [2.7172e+02, 4.6356e+00, 5.1211e+00],  
 [6.8342e+01, 1.3136e-01, 3.0115e+00],  
 [7.4755e+01, 1.1397e+00, 2.7112e+00],  
 [1.9086e-01, 1.2914e-05, 2.0166e-02],  
 [2.7915e-02, 5.9165e-07, 4.1589e-03],  
 [1.2346e-01, 2.5112e-06, 1.7649e-02],  
 [2.2644e+01, 6.2011e-02, 1.1791e+00],  
 [1.9180e-02, 5.1899e-07, 3.0081e-03],  
 [1.2702e+02, 2.1029e+00, 3.7803e+00],  
 [3.3245e+01, 3.0953e-01, 2.5676e+00],  
 [1.9046e-01, 1.5780e-05, 2.1090e-02],  
 [2.0657e-01, 1.9819e-05, 2.6573e-02],  
 [1.1596e+00, 3.6069e-05, 1.2454e-01],  
 [2.2858e+00, 1.0336e-04, 1.8135e-01],  
 [1.0374e-02, 5.5518e-08, 1.5585e-03],  
 [8.6135e-02, 6.9754e-06, 1.1702e-02],  
 [1.3362e+01, 7.9653e-02, 1.2687e+00],  
 [1.1807e-02, 1.5860e-08, 1.7561e-03],

[2.5239e+01, 6.1434e-02, 1.4660e+00],  
 [3.8640e+00, 1.0535e-03, 3.3299e-01],  
 [1.9366e+01, 8.6553e-03, 9.6828e-01],  
 [9.8460e+00, 3.2442e-03, 4.1815e-01],  
 [8.6645e-02, 6.7549e-07, 1.2008e-02],  
 [1.3298e+00, 3.6215e-04, 1.0425e-01],  
 [2.4811e-01, 2.0353e-05, 2.4555e-02],  
 [4.1946e+00, 8.7445e-03, 2.9194e-01],  
 [7.6065e-01, 1.6731e-04, 7.1467e-02],  
 [1.2707e+01, 4.1314e-02, 5.0825e-01],  
 [2.6471e+00, 3.9971e-04, 1.5154e-01],  
 [2.7037e+01, 1.1820e-01, 8.0763e-01],  
 [4.4369e+01, 4.7976e-02, 1.2536e+00],  
 [8.7577e+01, 9.4563e-01, 2.9386e+00],  
 [6.0839e+00, 2.5103e-04, 2.6309e-01],  
 [1.1369e+01, 1.6162e-02, 5.8496e-01],  
 [1.9498e-01, 4.2535e-06, 1.9702e-02],  
 [7.4105e+00, 2.1274e-02, 4.0936e-01],  
 [1.3500e-02, 1.3469e-07, 2.1202e-03],  
 [3.9285e-03, 9.0374e-09, 6.1402e-04],  
 [5.5018e+00, 8.0776e-04, 2.7772e-01],  
 [2.6149e+01, 7.9698e-02, 6.8406e-01],  
 [4.2667e+01, 1.5404e-01, 1.5129e+00],  
 [1.4384e+01, 1.8333e-02, 5.4514e-01],  
 [1.8013e+01, 3.8888e-02, 1.1452e+00],  
 [1.4946e+01, 1.1964e-02, 6.6587e-01],  
 [3.1715e+01, 1.2923e-01, 7.5808e-01],  
 [2.3516e+00, 2.5493e-03, 1.8053e-01],  
 [5.5840e-01, 3.0240e-05, 6.4726e-02],  
 [1.0714e+02, 7.8211e-01, 2.0059e+00],  
 [2.0224e-01, 1.6377e-06, 2.4459e-02],  
 [1.6567e+02, 2.1744e+00, 3.7224e+00],  
 [1.2006e-01, 2.3679e-07, 1.5140e-02],  
 [7.5086e+01, 1.5055e+00, 2.5923e+00],  
 [4.9453e-01, 2.1717e-05, 3.3321e-02],  
 [4.2526e+00, 1.3026e-02, 3.6417e-01],  
 [9.5806e+01, 6.0652e-01, 2.6719e+00],  
 [5.3325e-02, 1.7350e-06, 7.6144e-03],  
 [7.2365e+00, 2.2942e-03, 3.5461e-01],  
 [2.9332e-02, 4.4986e-07, 4.5081e-03],  
 [3.6182e-02, 2.7024e-07, 5.1485e-03],  
 [1.2832e+02, 4.0708e+00, 3.8811e+00],  
 [5.6651e+00, 4.7357e-03, 3.0508e-01],  
 [1.3569e+01, 2.1008e-02, 4.2223e-01],  
 [7.7677e-01, 1.0987e-04, 7.8987e-02],  
 [8.8691e+01, 4.2506e-01, 2.0702e+00],  
 [1.5618e-02, 6.8647e-08, 2.4489e-03],  
 [8.2508e+01, 9.1281e-01, 2.2501e+00],

[3.9661e+00, 7.0242e-04, 3.4610e-01],  
[1.5311e-01, 6.3263e-06, 1.6837e-02],  
[1.1970e+00, 7.9122e-05, 1.1537e-01],  
[3.8531e-02, 4.8169e-07, 5.4944e-03],  
[8.9303e+00, 2.7004e-03, 3.0960e-01],  
[3.1871e+00, 1.0950e-03, 3.1281e-01],  
[1.0264e+01, 1.9397e-02, 5.4328e-01],  
[6.6124e+00, 7.5624e-03, 4.2497e-01],  
[1.2108e+01, 1.1731e-02, 5.4650e-01],  
[6.1869e+01, 2.6876e-01, 1.4985e+00],  
[2.7771e+00, 9.9185e-03, 3.1575e-01],  
[1.6578e+02, 3.7158e+00, 3.1252e+00],  
[1.9137e+00, 1.1020e-03, 1.3104e-01],  
[2.0103e+01, 1.5276e-01, 1.2120e+00],  
[1.0650e+00, 4.1846e-04, 1.0189e-01],  
[1.2850e+01, 1.8543e-02, 5.4380e-01],  
[4.0806e-01, 2.4832e-05, 5.1424e-02],  
[1.6580e-01, 2.1821e-06, 1.8005e-02],  
[7.6069e+01, 1.0088e-01, 3.4597e+00],  
[7.2565e-02, 1.8011e-06, 9.6329e-03],  
[2.4602e+00, 4.3796e-03, 2.6916e-01],  
[3.0781e-01, 1.1595e-04, 4.0275e-02],  
[1.3061e+02, 9.9361e-01, 2.1209e+00],  
[1.0964e+02, 8.9725e-01, 3.6823e+00],  
[1.4141e-01, 2.9096e-06, 1.7400e-02],  
[1.5308e+00, 8.7533e-04, 1.8247e-01],  
[1.4113e+00, 2.8743e-04, 1.0524e-01],  
[2.2976e+01, 4.7815e-02, 1.1967e+00],  
[6.6202e-01, 2.7595e-04, 8.0573e-02],  
[2.3215e+01, 1.4400e-01, 1.1160e+00],  
[8.2957e+00, 1.9970e-02, 4.5016e-01],  
[7.5523e+01, 1.7305e-01, 1.4981e+00],  
[1.7521e+00, 1.0486e-03, 1.4074e-01],  
[1.1113e-01, 8.0148e-06, 1.3792e-02],  
[5.6485e+01, 1.2469e-01, 1.8508e+00],  
[8.9235e-01, 2.2051e-04, 7.9056e-02],  
[1.9891e+01, 8.7992e-02, 9.5475e-01],  
[6.0958e+01, 6.8636e-01, 1.4356e+00],  
[9.1722e-01, 9.7336e-04, 1.0841e-01],  
[3.7284e+01, 8.5398e-03, 1.4489e+00],  
[3.0587e+00, 1.9152e-03, 1.7829e-01],  
[5.2937e+00, 2.0145e-03, 2.7511e-01],  
[3.1313e+01, 1.9614e-02, 1.7997e+00],  
[1.4443e+01, 1.1716e-02, 9.0388e-01],  
[1.6625e+00, 6.5761e-04, 1.1442e-01],  
[5.4846e+00, 7.0956e-03, 3.9638e-01],  
[4.3641e+01, 1.3190e-01, 1.0980e+00],  
[1.1872e+00, 1.7079e-04, 9.5576e-02],

[3.7612e+00, 1.5163e-03, 4.2585e-01],  
[3.9636e+00, 4.2835e-03, 3.2868e-01],  
[3.0554e+01, 3.3948e-01, 1.2668e+00],  
[8.8472e+01, 1.5503e+00, 2.4803e+00],  
[4.7710e+01, 4.1450e-02, 1.2268e+00],  
[3.9027e-01, 1.4435e-05, 4.1780e-02],  
[2.1696e+01, 5.7558e-02, 9.7140e-01],  
[3.7233e+01, 2.8926e-01, 1.8826e+00],  
[2.9791e+01, 1.1865e-01, 1.1117e+00],  
[6.6799e+01, 2.5303e-01, 3.7333e+00],  
[5.3295e+01, 2.0477e-01, 1.1969e+00],  
[6.2930e+01, 3.1313e-01, 1.5709e+00],  
[1.1836e+02, 1.7621e-01, 2.6450e+00],  
[1.4632e+01, 1.9895e-02, 5.8646e-01],  
[3.4171e+00, 1.4716e-03, 1.5662e-01],  
[2.3065e+01, 4.0439e-02, 9.3993e-01],  
[1.1207e+02, 1.5350e-01, 1.9973e+00],  
[4.2570e+01, 1.3316e-01, 1.1655e+00],  
[3.0912e+01, 8.1703e-02, 8.5610e-01],  
[7.4872e+00, 4.8537e-03, 6.7646e-01],  
[1.9943e+01, 2.4903e-02, 5.7191e-01],  
[4.3542e-01, 4.2001e-05, 4.1274e-02],  
[6.0516e+00, 1.8459e-02, 4.2249e-01],  
[1.4377e+01, 6.3136e-03, 8.3223e-01],  
[3.2804e+01, 1.6056e-01, 2.1420e+00],  
[2.8835e+01, 1.6037e-01, 1.1195e+00],  
[6.6556e+01, 3.0629e-01, 1.8581e+00],  
[1.1296e+02, 8.3662e-01, 3.0863e+00],  
[2.4956e-01, 6.2983e-06, 3.7532e-02],  
[2.0276e+00, 2.5095e-04, 1.7112e-01],  
[5.5816e+00, 5.4920e-03, 2.9743e-01],  
[1.7073e+01, 9.9443e-02, 6.9452e-01],  
[2.4681e-01, 7.8586e-06, 2.4251e-02],  
[1.0991e+00, 9.3781e-04, 1.0620e-01],  
[2.5532e+00, 8.2528e-04, 1.3095e-01],  
[6.4826e+00, 1.6909e-03, 3.4983e-01],  
[2.6932e+01, 4.9590e-02, 6.9547e-01],  
[6.8915e+01, 7.0171e-02, 2.1765e+00],  
[1.4488e+02, 1.6550e+00, 4.1195e+00],  
[1.3306e-01, 6.4786e-06, 1.7083e-02],  
[7.7666e+00, 2.0481e-02, 4.3091e-01],  
[1.2576e+01, 2.3743e-02, 1.0198e+00],  
[6.5898e+00, 1.7881e-02, 5.9341e-01],  
[3.6078e-01, 3.7622e-05, 3.5370e-02],  
[2.7933e+02, 2.8456e+00, 4.8072e+00],  
[3.8398e-03, 1.1757e-08, 6.0802e-04],  
[8.6503e-01, 4.9067e-04, 9.7419e-02],  
[7.9943e-02, 2.4227e-06, 1.1682e-02],



```

[2.4965e+01, 2.3029e-01, 1.2247e+00],
[1.7060e-01, 7.6791e-07, 1.9414e-02],
[6.8825e+00, 1.4671e-02, 7.9372e-01],
[9.2992e+01, 1.7707e+00, 2.7374e+00],
[1.2723e+00, 1.8741e-05, 9.1714e-02],
[1.2402e+02, 6.1420e-01, 2.9304e+00],
[3.6229e+01, 5.1315e-01, 1.6416e+00],
[4.0825e+01, 5.7242e-01, 1.8003e+00],
[1.1954e-01, 1.0217e-05, 1.6817e-02],
[5.2886e+00, 6.4364e-03, 3.1789e-01],
[3.5343e-02, 3.1813e-07, 5.0051e-03],
[1.5209e+02, 3.1712e+00, 3.7313e+00],
[1.0371e-01, 3.2676e-06, 1.2869e-02],
[3.0307e+01, 1.3942e-01, 9.5345e-01],
[2.7476e+02, 5.7664e+00, 4.1266e+00],
[1.4128e+01, 8.8197e-02, 7.5189e-01],
[7.6574e+00, 1.2998e-02, 6.5559e-01],
[4.4139e+00, 7.6345e-04, 2.8310e-01],
[9.6520e+00, 1.4519e-02, 4.0027e-01],
[6.3068e+01, 4.5049e-01, 2.3912e+00],
[8.1662e+00, 2.4012e-03, 4.5395e-01],
[3.1531e-01, 1.6898e-05, 3.9472e-02],
[1.1607e-02, 1.1318e-07, 1.7608e-03],
[5.6846e+00, 8.8197e-03, 3.4809e-01],
[5.2377e+00, 5.0662e-03, 3.0184e-01],
[1.1932e+00, 1.9951e-04, 6.3876e-02],
[1.8103e+00, 4.3976e-04, 2.1832e-01],
[2.9670e-02, 5.3047e-07, 4.1811e-03],
[1.6053e-02, 1.2552e-07, 2.3218e-03],
[5.4982e+01, 3.3487e-01, 1.2773e+00],
[2.6290e-03, 3.1693e-09, 4.1787e-04],
[1.1775e+02, 1.6516e+00, 3.1685e+00],
[2.9543e-03, 2.7460e-09, 4.7990e-04],
[7.2666e-01, 6.0973e-05, 7.9697e-02],
[1.7632e+01, 5.1923e-03, 8.0753e-01],
[3.1129e+00, 4.0962e-03, 2.7423e-01],
[2.8191e-02, 1.8810e-07, 3.9715e-03],
[1.8569e+01, 8.5816e-02, 6.1777e-01],
[1.8217e+01, 1.4860e-02, 7.6299e-01],
[1.1440e+01, 1.0114e-02, 4.9776e-01],
[1.0020e+02, 2.8676e+00, 3.6074e+00],
[1.9299e+01, 3.4951e-02, 6.5655e-01],
[1.7556e+00, 6.4519e-05, 1.6024e-01],
[3.4184e+01, 9.9240e-02, 2.0648e+00]], dtype=torch.float64)

```

Iteration: 40

```

Inputs: tensor([[8.2014e+18, 2.6325e+02, 1.0722e+01, 9.4408e+00],
               [3.1286e+18, 2.1380e+01, 1.9332e+01, 4.4418e+00],
               [6.5603e+19, 3.7828e+02, 1.0941e+01, 6.2427e+00],

```

```

...,
[7.5655e+20, 2.6357e+02, 6.8495e+00, 7.9896e+00],
[1.5179e+19, 3.6062e+02, 1.0996e+01, 4.9180e+00],
[4.2987e+20, 2.5837e+02, 1.8824e+01, 6.9984e+00]], dtype=torch.float64)
Target: tensor([[2.6357e+00, 2.4198e-03, 1.8167e-01],
[1.0540e-03, 9.6309e-10, 1.7194e-04],
[3.2354e+01, 1.5970e-01, 1.0617e+00],
[7.3835e+01, 4.5222e-01, 2.8717e+00],
[2.4094e+00, 9.1756e-04, 1.2701e-01],
[5.9456e+00, 1.4600e-02, 3.7014e-01],
[6.3650e+01, 3.4531e-01, 1.6390e+00],
[4.2104e+01, 5.4578e-01, 1.3442e+00],
[2.0140e+02, 1.1212e+00, 4.2711e+00],
[3.8102e+01, 9.0576e-02, 2.7804e+00],
[1.0083e+01, 6.1785e-03, 5.0723e-01],
[1.3076e+02, 3.7131e+00, 3.3829e+00],
[2.5871e+01, 3.5303e-02, 7.4915e-01],
[2.4864e+01, 9.9717e-02, 7.3800e-01],
[8.2483e-01, 4.8730e-05, 1.0323e-01],
[5.1627e-01, 2.9456e-05, 4.0844e-02],
[3.4911e+00, 6.4805e-03, 4.3095e-01],
[1.7665e+01, 1.4242e-01, 1.1376e+00],
[1.7817e+01, 4.1031e-02, 6.7393e-01],
[2.0619e-01, 9.5922e-06, 2.3131e-02],
[1.3567e+01, 5.0392e-02, 7.9966e-01],
[1.3116e+02, 9.6085e-01, 4.3121e+00],
[1.3263e-01, 1.7371e-05, 1.8574e-02],
[2.7562e+00, 1.1258e-03, 2.1207e-01],
[1.1137e+01, 2.1735e-02, 4.6979e-01],
[1.4274e+01, 4.6840e-02, 1.3455e+00],
[4.9373e+01, 8.5300e-01, 1.6216e+00],
[2.6386e+01, 1.4707e-01, 1.2697e+00],
[8.1516e+01, 5.9830e-01, 3.0455e+00],
[3.0410e+01, 2.4844e-01, 9.0987e-01],
[4.5851e+00, 4.1932e-03, 2.4027e-01],
[9.3237e-01, 6.9965e-05, 6.8131e-02],
[2.7889e+01, 2.6106e-01, 1.0460e+00],
[2.5864e+01, 1.2560e-01, 8.4594e-01],
[6.9757e+00, 4.0099e-03, 4.3940e-01],
[1.9812e+01, 6.6847e-02, 1.2932e+00],
[7.8041e-02, 7.1922e-07, 1.0689e-02],
[4.6847e+01, 1.8505e-01, 1.7859e+00],
[7.8982e-02, 1.0211e-05, 1.1903e-02],
[1.4477e+02, 3.7409e-01, 3.0707e+00],
[2.4050e+00, 3.2769e-04, 1.0901e-01],
[5.0902e+01, 2.0519e-01, 2.4755e+00],
[5.9101e+01, 6.3541e-01, 2.1683e+00],
[1.3730e+00, 1.1463e-04, 1.0756e-01],

```

[3.5486e+01, 4.5875e-01, 1.6806e+00],  
 [2.7280e-01, 7.2754e-06, 2.9891e-02],  
 [2.4593e+00, 3.5730e-03, 2.3916e-01],  
 [4.5965e+00, 8.0168e-03, 5.2486e-01],  
 [1.5846e+00, 8.0225e-04, 1.4273e-01],  
 [4.1239e+00, 2.9014e-03, 2.7299e-01],  
 [2.2840e+00, 9.0282e-04, 1.5893e-01],  
 [1.4376e+01, 6.3729e-03, 5.0782e-01],  
 [7.9437e+00, 2.1074e-02, 6.0531e-01],  
 [1.4845e+02, 1.1698e+00, 3.4898e+00],  
 [5.6175e+00, 9.1426e-03, 5.0142e-01],  
 [2.9083e+00, 2.3392e-03, 2.8057e-01],  
 [2.6423e+00, 1.8628e-03, 3.4471e-01],  
 [3.1779e+01, 1.0302e-01, 2.5333e+00],  
 [3.8773e-01, 9.2448e-06, 4.3435e-02],  
 [1.1662e+00, 9.9970e-05, 9.0928e-02],  
 [2.4112e-01, 3.8904e-05, 2.4339e-02],  
 [1.0409e+00, 3.8330e-04, 8.8042e-02],  
 [9.3831e-01, 1.1893e-05, 6.6865e-02],  
 [6.2428e+01, 8.5340e-01, 3.5280e+00],  
 [2.3324e+01, 8.3523e-02, 9.1138e-01],  
 [2.7658e-02, 7.3187e-07, 3.9222e-03],  
 [9.0399e+01, 1.9209e-01, 2.7951e+00],  
 [6.6455e+01, 5.1830e-01, 1.7612e+00],  
 [3.5670e+01, 2.8980e-01, 1.7764e+00],  
 [2.2790e-01, 2.5770e-06, 2.4702e-02],  
 [2.9777e+01, 2.6943e-01, 1.0887e+00],  
 [6.0660e+01, 9.3706e-01, 3.0618e+00],  
 [7.6075e+00, 3.9287e-02, 5.2580e-01],  
 [4.3627e+01, 3.3899e-01, 1.9657e+00],  
 [9.2763e+00, 9.0003e-03, 9.0792e-01],  
 [4.8525e+00, 9.5819e-04, 4.2065e-01],  
 [5.0187e+00, 2.3229e-03, 2.6561e-01],  
 [5.2625e-01, 2.1269e-05, 5.4604e-02],  
 [2.4378e+01, 1.4828e-01, 1.0830e+00],  
 [5.6018e+01, 6.2498e-01, 1.8349e+00],  
 [2.4770e+00, 2.9126e-04, 2.4844e-01],  
 [6.9814e+01, 2.1771e-01, 2.3511e+00],  
 [3.0204e+00, 8.1670e-03, 3.6008e-01],  
 [5.8024e-01, 5.4521e-05, 7.4756e-02],  
 [7.1740e+01, 3.2030e-01, 2.0090e+00],  
 [1.2168e+01, 1.0545e-03, 6.3319e-01],  
 [1.3882e+00, 8.4595e-05, 1.0929e-01],  
 [4.7596e+01, 2.6724e-01, 1.5736e+00],  
 [8.0049e+01, 2.2754e-01, 2.6879e+00],  
 [2.0821e+01, 1.8128e-02, 9.1390e-01],  
 [9.4205e+01, 1.4667e+00, 2.7147e+00],  
 [2.1400e+00, 1.4031e-03, 1.9766e-01],

[6.4459e-02, 1.1870e-06, 8.3644e-03],  
 [1.5878e-01, 2.6704e-06, 1.9889e-02],  
 [3.5427e+00, 2.5462e-03, 3.2172e-01],  
 [4.5076e+00, 7.6508e-03, 2.6408e-01],  
 [3.0622e+01, 1.1622e-01, 1.8938e+00],  
 [4.3963e+01, 5.9099e-01, 1.6962e+00],  
 [2.8012e+00, 1.2533e-03, 1.9331e-01],  
 [7.4014e-02, 4.9941e-06, 1.0638e-02],  
 [5.6669e-01, 5.2734e-05, 8.2542e-02],  
 [5.1954e-01, 2.4102e-05, 3.9129e-02],  
 [3.3328e-02, 3.4311e-07, 4.8789e-03],  
 [5.8228e+01, 2.2235e-01, 1.4057e+00],  
 [2.0193e+02, 1.1765e+01, 4.4867e+00],  
 [6.8177e-03, 1.7260e-08, 1.0699e-03],  
 [2.2353e+02, 6.1884e+00, 4.6211e+00],  
 [9.4470e+00, 1.1485e-02, 8.5922e-01],  
 [9.0009e+01, 8.9475e-01, 2.9074e+00],  
 [4.9728e+01, 1.5239e-01, 1.9086e+00],  
 [5.0998e-01, 3.6323e-05, 3.3918e-02],  
 [4.8263e+01, 1.9896e-01, 2.4451e+00],  
 [9.5593e+01, 1.2384e+00, 4.0606e+00],  
 [1.5325e+01, 6.1970e-02, 8.4412e-01],  
 [7.2191e-01, 1.4754e-04, 7.2898e-02],  
 [1.0428e+02, 3.1471e+00, 2.5864e+00],  
 [5.1849e+00, 8.9381e-03, 3.0709e-01],  
 [6.5467e+01, 6.5297e-01, 1.6829e+00],  
 [2.3774e+00, 1.4083e-03, 1.6243e-01],  
 [2.3138e+01, 2.4536e-02, 1.3004e+00],  
 [5.9728e+00, 7.6320e-03, 4.1989e-01],  
 [2.8989e+00, 2.5997e-03, 2.2438e-01],  
 [1.3359e+02, 3.2773e+00, 4.4361e+00],  
 [5.0364e-03, 4.0495e-09, 7.8813e-04],  
 [1.7375e+01, 3.4660e-02, 5.5511e-01],  
 [2.9225e+01, 4.7862e-02, 2.1440e+00],  
 [2.9494e+01, 1.3408e-01, 8.8123e-01],  
 [8.7098e+00, 5.3353e-02, 7.8582e-01],  
 [4.2859e-01, 9.9862e-05, 5.9295e-02],  
 [7.2118e+00, 8.0195e-04, 2.6659e-01],  
 [3.0122e+01, 1.7253e-01, 1.9650e+00],  
 [2.3243e+01, 6.4209e-02, 1.0518e+00],  
 [1.2815e+01, 3.9704e-02, 5.2459e-01],  
 [1.6820e+01, 1.8025e-02, 1.0252e+00],  
 [9.8279e+01, 3.8688e-01, 4.0604e+00],  
 [1.3558e+01, 5.9357e-02, 5.5617e-01],  
 [1.0659e-01, 6.3827e-06, 1.3569e-02],  
 [1.3275e+01, 1.5983e-02, 1.0969e+00],  
 [2.0541e-01, 2.7529e-05, 2.3898e-02],  
 [1.3659e+01, 1.1588e-01, 9.6963e-01],

[1.1732e+02, 5.4850e-01, 2.2781e+00],  
[2.0837e-01, 1.4657e-05, 2.3454e-02],  
[3.7790e+00, 1.5885e-03, 2.8400e-01],  
[1.8197e+00, 4.2620e-04, 1.3029e-01],  
[1.8287e+01, 7.8071e-02, 8.7065e-01],  
[1.1468e+02, 1.4037e+00, 2.8286e+00],  
[8.8786e+00, 2.9888e-03, 3.9445e-01],  
[2.9338e+01, 2.0640e-01, 1.4515e+00],  
[5.4683e-01, 9.3282e-05, 7.7726e-02],  
[4.1809e+01, 6.5250e-02, 1.6503e+00],  
[1.1401e+02, 3.1346e+00, 2.6849e+00],  
[3.9616e+01, 6.8462e-02, 2.3988e+00],  
[3.0090e-01, 4.9720e-05, 3.1765e-02],  
[1.0597e+02, 1.4029e+00, 3.3449e+00],  
[2.0683e-01, 2.4563e-05, 2.3006e-02],  
[5.0279e-02, 1.3716e-06, 7.0997e-03],  
[3.0200e-01, 1.5442e-05, 3.0465e-02],  
[1.1930e+01, 9.2605e-03, 8.5376e-01],  
[1.9721e+02, 1.0119e+01, 4.5913e+00],  
[4.3050e-02, 4.3628e-07, 5.9808e-03],  
[2.6242e-02, 1.1505e-06, 3.9972e-03],  
[2.4884e+02, 1.4500e+00, 4.1289e+00],  
[2.9674e-01, 1.9639e-05, 2.8889e-02],  
[9.5128e-01, 5.4538e-04, 8.9041e-02],  
[4.6653e-01, 1.0751e-05, 4.0045e-02],  
[1.3289e+01, 2.1640e-02, 6.6758e-01],  
[3.4334e+00, 2.6399e-03, 2.0432e-01],  
[6.7158e+01, 3.1773e-01, 3.3650e+00],  
[1.4375e-01, 2.1653e-06, 2.0138e-02],  
[1.8305e+02, 5.0076e+00, 3.3949e+00],  
[1.4109e+01, 1.1034e-02, 8.4823e-01],  
[3.3120e-01, 7.6492e-05, 4.7256e-02],  
[7.5884e+01, 3.2493e-01, 2.3042e+00],  
[5.0630e+00, 3.2718e-03, 3.0622e-01],  
[9.8289e+00, 3.8320e-02, 5.1511e-01],  
[2.8852e-01, 2.8401e-05, 3.3053e-02],  
[1.0468e+00, 8.7136e-04, 1.1760e-01],  
[1.2307e+01, 3.1342e-02, 5.4147e-01],  
[2.3030e-01, 6.6178e-06, 2.8493e-02],  
[9.7632e+01, 6.8679e-02, 1.9795e+00],  
[2.8481e+01, 2.6058e-02, 1.7400e+00],  
[4.4408e+01, 2.7380e-01, 1.4188e+00],  
[4.6680e-02, 1.1363e-06, 6.4902e-03],  
[1.9620e+02, 1.2777e+00, 3.5434e+00],  
[2.9599e+00, 3.6341e-03, 2.4614e-01],  
[1.9073e+02, 1.9270e+00, 3.8610e+00],  
[1.3697e-01, 1.3651e-05, 1.5471e-02],  
[1.9612e+02, 4.0345e+00, 3.6904e+00],

[1.2484e+00, 1.7766e-04, 1.3302e-01],  
 [1.2493e+01, 1.9415e-02, 9.8707e-01],  
 [5.9080e+01, 6.5900e-01, 1.2951e+00],  
 [1.3773e+01, 4.4842e-02, 8.8572e-01],  
 [8.3969e+01, 6.5219e-01, 3.2898e+00],  
 [6.5642e-02, 1.7617e-06, 8.1143e-03],  
 [1.1115e+01, 2.6012e-02, 4.9067e-01],  
 [8.8365e+01, 1.3840e+00, 2.0163e+00],  
 [7.0767e-01, 1.8517e-05, 6.3387e-02],  
 [1.0644e+00, 5.2065e-04, 1.2793e-01],  
 [9.5668e+00, 1.9084e-02, 1.0702e+00],  
 [9.9804e-03, 8.7315e-08, 1.4881e-03],  
 [3.7620e-03, 1.9420e-08, 6.0321e-04],  
 [4.9643e+00, 8.9557e-03, 4.2510e-01],  
 [8.6454e-01, 5.1383e-05, 7.2691e-02],  
 [3.5291e-01, 3.5190e-05, 3.3589e-02],  
 [2.3542e+01, 1.5547e-02, 9.9015e-01],  
 [9.7068e+00, 2.1065e-02, 9.8233e-01],  
 [2.4059e-02, 2.2396e-07, 3.4498e-03],  
 [4.9680e-01, 2.8490e-05, 3.7448e-02],  
 [3.5090e+01, 2.2210e-01, 1.1597e+00],  
 [7.6004e+01, 1.8810e-01, 2.7088e+00],  
 [2.1441e+02, 4.8312e+00, 3.9383e+00],  
 [2.2234e+00, 4.5276e-04, 1.9087e-01],  
 [1.1357e-01, 1.4824e-06, 1.4113e-02],  
 [5.1420e-03, 1.0079e-08, 7.9405e-04],  
 [6.3364e+01, 1.6229e-01, 2.0595e+00],  
 [1.5344e+01, 3.3187e-02, 5.4120e-01],  
 [1.9189e+02, 2.8602e+00, 4.3449e+00],  
 [6.7351e-01, 5.7150e-04, 8.4651e-02],  
 [4.3342e+00, 2.6608e-03, 2.0817e-01],  
 [2.3036e+01, 8.3826e-02, 9.3882e-01],  
 [3.7831e+00, 8.0774e-03, 3.2383e-01],  
 [4.3693e+01, 4.5906e-01, 1.6383e+00],  
 [4.7575e+00, 5.9637e-04, 2.6358e-01],  
 [5.3624e+01, 1.2468e-01, 1.6013e+00],  
 [3.9645e+00, 1.7669e-03, 1.9560e-01],  
 [9.2526e+00, 1.9742e-02, 4.6468e-01],  
 [1.8430e+01, 2.7793e-02, 5.6452e-01],  
 [3.0904e+00, 2.0862e-03, 1.8278e-01],  
 [1.1239e-01, 3.2966e-06, 1.2928e-02],  
 [1.8989e+00, 6.7789e-04, 2.1914e-01],  
 [8.7395e+00, 1.7138e-03, 4.1626e-01],  
 [8.0418e+00, 2.1385e-02, 4.6676e-01],  
 [1.0500e+01, 5.0868e-02, 7.4895e-01],  
 [2.0587e+01, 7.0785e-02, 1.1360e+00],  
 [4.9853e-02, 9.2157e-08, 6.5537e-03],  
 [3.1500e+00, 1.5215e-03, 2.2660e-01],

[3.1013e+01, 1.4922e-02, 1.0615e+00],  
 [2.6342e+01, 5.4979e-02, 1.7322e+00],  
 [2.7558e-01, 8.5841e-06, 3.3381e-02],  
 [6.7765e+01, 4.1937e-01, 2.3525e+00],  
 [4.7192e+00, 3.5132e-04, 3.6678e-01],  
 [1.8791e+02, 1.1355e+00, 4.7889e+00],  
 [1.8456e+01, 4.8773e-02, 5.3049e-01],  
 [1.7143e+00, 1.2430e-03, 1.5272e-01],  
 [5.9346e+01, 5.7293e-01, 1.8162e+00],  
 [6.7853e+01, 7.4151e-01, 2.1877e+00],  
 [1.1606e-02, 6.9849e-08, 1.7911e-03],  
 [1.6532e+00, 6.1003e-04, 1.0882e-01],  
 [7.7934e-01, 3.8632e-05, 9.8025e-02],  
 [7.4644e+01, 1.5719e-01, 2.3347e+00],  
 [3.3458e-02, 5.5791e-07, 4.6922e-03],  
 [1.1638e+00, 4.7221e-04, 1.3376e-01],  
 [1.0253e-01, 2.7992e-06, 1.1794e-02],  
 [4.0720e-01, 1.5409e-04, 4.6837e-02],  
 [1.1652e+01, 4.3924e-03, 4.5230e-01],  
 [9.2237e-01, 4.2259e-04, 8.1022e-02],  
 [6.3412e+00, 7.1710e-03, 4.4075e-01],  
 [1.5475e-01, 3.7957e-07, 1.7075e-02],  
 [9.3070e-02, 4.6476e-07, 1.1647e-02],  
 [2.9823e-01, 9.8127e-06, 2.7182e-02],  
 [5.3984e+00, 1.8906e-02, 5.0893e-01],  
 [1.1577e+02, 9.7011e-01, 2.6028e+00],  
 [4.4300e+00, 5.9555e-03, 2.7899e-01],  
 [4.7161e+01, 6.0070e-01, 1.2431e+00],  
 [2.3033e+01, 4.8902e-02, 1.4429e+00],  
 [4.5385e+01, 2.6782e-01, 2.1778e+00],  
 [5.7379e+01, 1.1013e+00, 2.0167e+00],  
 [1.0265e+00, 1.1816e-04, 1.1442e-01],  
 [1.5706e-01, 5.5394e-06, 2.2226e-02],  
 [8.0751e-02, 2.0000e-06, 1.1090e-02],  
 [6.0670e-01, 3.5828e-06, 4.2441e-02],  
 [1.7578e+00, 1.0112e-03, 1.6798e-01],  
 [4.9249e+01, 4.9193e-01, 1.4749e+00],  
 [3.5974e+00, 1.4965e-03, 2.6265e-01],  
 [2.4447e-02, 4.5510e-07, 3.6374e-03],  
 [1.0841e-01, 1.3097e-06, 1.5877e-02],  
 [9.4862e+00, 6.6618e-02, 9.9248e-01],  
 [4.3634e+01, 1.5412e-01, 1.3480e+00],  
 [9.4834e-01, 4.7451e-04, 9.0830e-02],  
 [4.4071e+00, 2.0804e-04, 2.2176e-01],  
 [1.7968e+02, 7.4895e+00, 4.2193e+00],  
 [1.2175e-01, 1.1930e-05, 1.4948e-02],  
 [2.3620e+00, 1.2837e-03, 1.3606e-01],  
 [2.9886e+01, 4.4132e-02, 1.1759e+00],

```

[2.8935e+01, 3.9251e-02, 1.6080e+00],
[2.5754e+01, 7.7693e-02, 6.9324e-01],
[9.4560e-03, 3.6550e-08, 1.5008e-03],
[4.0482e-02, 1.0752e-06, 5.9673e-03],
[2.3946e+00, 1.3863e-03, 1.4659e-01],
[7.4138e+01, 5.3577e-01, 3.1499e+00],
[1.9283e-02, 8.8959e-08, 2.9532e-03],
[3.4526e+01, 1.0596e-01, 2.2579e+00],
[4.1777e+01, 5.4841e-01, 1.6602e+00],
[2.3939e+01, 1.2961e-01, 2.0026e+00],
[6.2097e-01, 9.0530e-05, 6.3004e-02],
[3.7024e-02, 1.0232e-06, 5.2190e-03],
[9.1663e+00, 3.6425e-02, 7.1358e-01],
[5.0199e+00, 4.6746e-03, 3.3418e-01],
[1.1178e+00, 5.2011e-04, 1.3181e-01],
[1.6036e-01, 4.7527e-06, 2.2696e-02],
[1.7091e+01, 3.1715e-02, 5.7289e-01],
[6.5491e-03, 2.2097e-08, 1.0191e-03],
[2.9617e+01, 9.8877e-02, 1.3912e+00],
[1.6924e-01, 1.0947e-05, 2.2983e-02],
[1.9971e+00, 7.9203e-04, 1.4792e-01],
[1.7952e+02, 6.0040e+00, 3.9635e+00],
[2.4765e+00, 3.0089e-03, 2.0801e-01],
[6.1826e+01, 3.9751e-01, 3.0470e+00],
[8.6012e+00, 3.3259e-03, 4.6640e-01],
[7.3494e+01, 2.0363e-01, 3.3814e+00],
[6.1197e+00, 5.4407e-03, 2.8362e-01],
[7.0000e-01, 4.4676e-05, 7.1389e-02],
[6.9256e-01, 1.1535e-04, 6.1426e-02],
[1.5835e-02, 2.3847e-08, 2.4348e-03],
[1.9256e-01, 1.1530e-06, 2.2357e-02],
[2.9119e+01, 3.1473e-01, 1.0870e+00],
[2.0708e+00, 4.8568e-04, 1.8534e-01],
[1.8427e+02, 4.3973e+00, 4.3449e+00],
[5.3094e+00, 3.7787e-03, 3.1826e-01],
[7.5634e+01, 1.4456e+00, 2.8973e+00]], dtype=torch.float64)
Iteration: 41
Inputs: tensor([[5.5918e+20, 2.6382e+02, 9.1323e+00, 4.4712e+00],
[1.1082e+20, 2.9767e+02, 9.9208e+00, 5.2780e+00],
[7.5496e+18, 4.5757e+02, 1.6669e+01, 1.8779e+00],
...,
[1.5042e+18, 3.7739e+02, 1.8300e+01, 3.9548e+00],
[1.3653e+19, 1.3938e+02, 8.5682e+00, 9.1771e+00],
[8.4798e+18, 7.3515e+01, 1.0114e+01, 4.7280e+00]]), dtype=torch.float64)
Target: tensor([[1.0778e+02, 8.8525e-01, 3.4972e+00],
[3.8278e+01, 1.7110e-01, 1.3963e+00],
[5.6606e-01, 4.1520e-05, 6.3794e-02],
[5.3769e-01, 7.0725e-05, 5.1010e-02],

```



[3.3584e+01, 7.4660e-02, 8.8512e-01],  
 [4.8217e+01, 4.1859e-01, 1.2213e+00],  
 [5.3585e-01, 1.4354e-04, 5.1868e-02],  
 [1.0325e+00, 1.2858e-04, 9.1689e-02],  
 [2.7155e+00, 9.1039e-04, 2.1206e-01],  
 [2.8851e+01, 2.6965e-02, 1.6514e+00],  
 [3.6308e+01, 2.1347e-01, 1.2836e+00],  
 [1.4427e+01, 5.5432e-02, 9.1417e-01],  
 [9.6165e+00, 9.7064e-03, 8.7657e-01],  
 [4.8522e+01, 8.7687e-01, 2.9912e+00],  
 [1.4613e-01, 6.1911e-07, 1.6914e-02],  
 [1.2233e+02, 1.2343e+00, 4.3889e+00],  
 [1.2479e+00, 4.9737e-04, 1.1256e-01],  
 [3.5742e+01, 4.0583e-01, 1.6562e+00],  
 [2.6722e+01, 6.3543e-02, 8.8440e-01],  
 [2.9593e+00, 2.3147e-03, 2.2477e-01],  
 [2.8150e-01, 2.6922e-05, 4.2885e-02],  
 [8.0713e+01, 1.7304e+00, 3.1011e+00],  
 [5.6457e+00, 5.4167e-04, 2.8022e-01],  
 [1.9558e-02, 9.9810e-08, 2.9167e-03],  
 [1.2139e-02, 4.8977e-08, 1.8802e-03],  
 [9.2163e+00, 1.1200e-02, 4.3735e-01],  
 [1.1184e+02, 1.1779e-01, 3.4043e+00],  
 [6.0331e+01, 6.7590e-01, 2.6395e+00],  
 [7.8272e+00, 9.6332e-03, 6.8056e-01],  
 [8.6496e+00, 1.7733e-02, 4.3973e-01],  
 [6.6296e-01, 7.7993e-05, 6.6241e-02],  
 [2.2465e-01, 1.8658e-05, 2.4993e-02],  
 [7.0239e-01, 8.4523e-05, 4.9267e-02],  
 [1.5693e+02, 1.9089e+00, 4.7097e+00],  
 [6.8277e-02, 4.0044e-06, 8.7993e-03],  
 [1.8319e-01, 4.0279e-06, 2.1846e-02],  
 [2.1200e+00, 6.0222e-04, 1.7470e-01],  
 [4.9727e+01, 2.9888e-01, 2.4443e+00],  
 [1.0260e+01, 5.0805e-03, 4.6002e-01],  
 [1.5620e-01, 8.5878e-06, 2.2212e-02],  
 [3.1620e-01, 5.8549e-06, 3.8811e-02],  
 [6.2414e+01, 1.8408e-01, 2.6451e+00],  
 [1.3177e-01, 1.7589e-06, 1.9949e-02],  
 [2.0225e+01, 4.3877e-02, 6.2820e-01],  
 [1.0217e+00, 4.9198e-04, 8.3131e-02],  
 [9.2189e+01, 9.9683e-01, 1.7957e+00],  
 [3.7036e-01, 1.6670e-05, 3.3182e-02],  
 [1.5637e+00, 6.6151e-04, 1.4021e-01],  
 [1.6995e+01, 9.8692e-03, 7.5771e-01],  
 [3.0455e+01, 4.6475e-02, 7.7268e-01],  
 [4.9826e+01, 5.7679e-01, 1.2177e+00],  
 [4.2237e-01, 5.0611e-05, 4.0332e-02],

[5.6066e+01, 2.8002e-02, 2.2347e+00],  
 [1.9744e-02, 4.9174e-07, 2.8658e-03],  
 [6.4614e+01, 3.0207e-01, 1.4389e+00],  
 [1.7746e+01, 7.7553e-02, 7.3919e-01],  
 [2.3226e+01, 7.4539e-02, 9.9265e-01],  
 [1.2986e+01, 4.2395e-02, 9.0568e-01],  
 [3.2307e+00, 5.1163e-04, 1.9608e-01],  
 [4.8817e-01, 4.1136e-05, 7.0620e-02],  
 [3.4191e+00, 5.0935e-03, 3.6487e-01],  
 [2.0306e+01, 1.8595e-01, 1.3662e+00],  
 [2.1716e+00, 4.8671e-04, 2.1861e-01],  
 [3.5879e+01, 8.9609e-02, 1.3760e+00],  
 [4.7976e+01, 4.0166e-01, 1.3923e+00],  
 [4.5015e-01, 7.7794e-05, 4.6757e-02],  
 [1.2469e+01, 1.9201e-02, 7.1766e-01],  
 [3.9521e-01, 4.4976e-06, 3.7960e-02],  
 [1.2841e-02, 4.3099e-08, 1.9232e-03],  
 [2.2557e-02, 3.0477e-07, 3.5727e-03],  
 [1.3572e+01, 2.4922e-02, 5.3314e-01],  
 [1.4504e+01, 5.7825e-02, 1.2447e+00],  
 [1.1290e+01, 3.6907e-02, 8.5762e-01],  
 [5.4675e+01, 4.0741e-01, 1.4519e+00],  
 [1.6990e-02, 6.3982e-08, 2.6370e-03],  
 [1.1807e+02, 1.4858e+00, 2.8959e+00],  
 [6.6228e+00, 3.5064e-03, 3.5804e-01],  
 [6.3656e-02, 2.5984e-06, 8.1377e-03],  
 [4.0481e+01, 2.2874e-01, 1.2447e+00],  
 [1.9711e+02, 3.6292e+00, 4.5792e+00],  
 [3.8002e-01, 2.4589e-05, 4.4993e-02],  
 [5.6926e-02, 1.3450e-06, 7.7363e-03],  
 [5.1266e-01, 2.9255e-04, 5.9714e-02],  
 [1.3941e-01, 7.1240e-06, 1.5606e-02],  
 [1.0249e+02, 8.3645e-01, 3.8952e+00],  
 [4.7857e+01, 4.0515e-01, 1.1786e+00],  
 [5.8626e-02, 7.9376e-07, 8.3967e-03],  
 [1.5000e-02, 7.0589e-08, 2.3082e-03],  
 [2.5224e+00, 8.5832e-04, 2.1728e-01],  
 [2.2442e+01, 1.0528e-01, 1.3828e+00],  
 [2.8189e+01, 5.8300e-02, 7.0498e-01],  
 [4.6044e-01, 3.8920e-05, 6.7399e-02],  
 [2.9896e+01, 2.4190e-01, 1.1895e+00],  
 [1.6452e+00, 6.6025e-04, 1.0969e-01],  
 [1.2065e+00, 3.3423e-04, 1.5550e-01],  
 [3.3097e+01, 1.7502e-01, 1.1571e+00],  
 [8.8660e+01, 2.8458e-01, 2.0137e+00],  
 [3.8333e+00, 1.1053e-02, 4.3581e-01],  
 [2.2283e+00, 4.8128e-04, 2.2372e-01],  
 [6.4592e-01, 1.3595e-04, 6.1660e-02],

[3.6525e-01, 4.1458e-05, 3.6901e-02],  
 [7.0864e+01, 8.2146e-01, 2.3537e+00],  
 [9.1357e-01, 2.2346e-04, 7.0605e-02],  
 [5.8199e+01, 2.6072e-01, 1.5877e+00],  
 [1.4386e+00, 3.4785e-04, 1.2331e-01],  
 [1.8638e-01, 1.5996e-05, 2.3150e-02],  
 [2.1839e-03, 4.3826e-09, 3.5175e-04],  
 [4.9773e-02, 2.9917e-07, 6.5774e-03],  
 [1.5792e-01, 7.7275e-06, 1.8690e-02],  
 [2.2008e+00, 1.0657e-03, 2.6206e-01],  
 [1.0244e+00, 3.6596e-04, 9.9021e-02],  
 [3.9948e+01, 1.9980e-01, 1.2047e+00],  
 [8.2137e+00, 2.4726e-02, 6.5178e-01],  
 [1.4523e+02, 1.8353e+00, 4.5984e+00],  
 [2.8133e+00, 4.1452e-03, 2.8685e-01],  
 [8.1333e-01, 6.9811e-05, 1.0627e-01],  
 [3.5288e-01, 1.7759e-05, 3.2522e-02],  
 [7.9350e+00, 7.4890e-03, 4.7105e-01],  
 [6.5467e+01, 1.4945e-01, 2.0319e+00],  
 [1.7671e+01, 7.0847e-02, 7.1959e-01],  
 [2.3733e+00, 5.2503e-03, 2.4333e-01],  
 [4.2322e-01, 8.3805e-05, 5.6132e-02],  
 [1.1938e-01, 5.2533e-06, 1.5798e-02],  
 [4.8816e+00, 2.0805e-03, 5.0948e-01],  
 [2.0872e+01, 4.7893e-02, 1.6963e+00],  
 [3.4880e-01, 3.6568e-05, 5.2570e-02],  
 [5.5538e+01, 2.7353e-01, 1.9148e+00],  
 [2.0023e-02, 2.7093e-07, 2.9330e-03],  
 [1.7791e+01, 3.3408e-02, 1.0294e+00],  
 [4.1478e+00, 2.4462e-03, 2.0868e-01],  
 [1.2106e+02, 5.4853e-01, 4.0058e+00],  
 [5.3621e+01, 3.3472e-01, 1.3243e+00],  
 [2.0281e-01, 1.3249e-05, 2.7612e-02],  
 [8.8687e-01, 4.6869e-04, 8.4554e-02],  
 [9.1057e-01, 1.6384e-04, 6.7806e-02],  
 [6.9316e+01, 1.7152e+00, 2.4728e+00],  
 [2.3280e+00, 1.7104e-03, 2.0147e-01],  
 [3.1096e+00, 3.3915e-03, 2.1405e-01],  
 [3.8958e+00, 2.4059e-03, 2.3338e-01],  
 [8.5465e+00, 3.0465e-02, 5.0110e-01],  
 [1.5340e+02, 5.7766e+00, 3.3676e+00],  
 [4.4459e+00, 1.1159e-03, 2.8013e-01],  
 [2.3432e+01, 2.9352e-01, 1.5666e+00],  
 [8.5794e+00, 1.1594e-02, 7.2877e-01],  
 [3.4915e-01, 1.5561e-05, 3.2681e-02],  
 [9.0472e+01, 3.4602e-01, 4.0684e+00],  
 [3.8869e-01, 4.6300e-05, 3.4658e-02],  
 [6.5978e-01, 3.8517e-05, 4.2174e-02],

[1.3627e+00, 1.4917e-03, 1.5312e-01],  
 [3.8701e+01, 5.9184e-01, 1.5907e+00],  
 [1.7672e+01, 4.9088e-02, 7.3644e-01],  
 [8.0953e-01, 9.1849e-05, 6.4146e-02],  
 [4.4965e+01, 6.2751e-01, 2.9014e+00],  
 [4.5540e-01, 4.6234e-05, 4.9084e-02],  
 [1.7134e+01, 6.9111e-02, 6.4434e-01],  
 [5.5026e+01, 6.0192e-01, 1.8335e+00],  
 [2.0996e+01, 2.3511e-02, 8.7672e-01],  
 [5.2908e-02, 5.9322e-07, 7.9946e-03],  
 [3.3256e+00, 5.3632e-04, 1.9650e-01],  
 [4.5537e+01, 1.9147e-01, 2.4662e+00],  
 [5.4301e+01, 4.5397e-01, 2.2084e+00],  
 [2.0749e-02, 3.1278e-07, 3.0797e-03],  
 [3.1456e+01, 3.2813e-01, 1.6380e+00],  
 [8.8347e+01, 3.9496e-01, 2.7959e+00],  
 [1.1446e+00, 3.9583e-04, 1.0348e-01],  
 [2.8155e-01, 1.3865e-05, 3.6512e-02],  
 [3.2646e-02, 1.6317e-06, 4.8685e-03],  
 [1.4539e+01, 3.3066e-02, 5.0892e-01],  
 [5.3636e+00, 3.8652e-03, 3.4583e-01],  
 [5.5381e-01, 1.4390e-05, 4.4621e-02],  
 [2.5933e-01, 1.5418e-06, 2.9042e-02],  
 [7.7771e+00, 8.6385e-03, 3.2880e-01],  
 [1.0199e+00, 6.9792e-04, 1.4060e-01],  
 [4.1807e+01, 2.7936e-01, 2.6476e+00],  
 [9.1893e-01, 7.6215e-05, 6.4987e-02],  
 [4.8940e+00, 4.2812e-03, 3.3471e-01],  
 [4.8636e+00, 9.1726e-03, 3.6017e-01],  
 [3.2592e-02, 4.5916e-07, 4.5648e-03],  
 [1.3334e+00, 1.1139e-03, 1.2722e-01],  
 [1.3294e+01, 1.7219e-02, 5.5669e-01],  
 [1.3115e+00, 1.0632e-04, 1.0591e-01],  
 [5.4053e-01, 7.0196e-05, 5.3484e-02],  
 [3.3584e-02, 1.2608e-07, 5.0383e-03],  
 [7.0024e+00, 2.4411e-02, 4.8564e-01],  
 [3.8504e+00, 5.5320e-03, 2.2460e-01],  
 [5.5123e+00, 7.4604e-03, 2.6991e-01],  
 [1.0750e+00, 5.4463e-04, 9.3434e-02],  
 [8.4276e+00, 2.0950e-03, 3.7223e-01],  
 [2.1021e+02, 1.5181e+00, 3.4236e+00],  
 [7.6038e+00, 1.2278e-02, 4.7692e-01],  
 [4.9515e+00, 8.6075e-03, 4.4566e-01],  
 [4.0510e+01, 1.9604e-02, 1.7687e+00],  
 [2.1778e-01, 1.1063e-05, 2.4581e-02],  
 [4.7993e+01, 1.4453e-01, 1.8458e+00],  
 [1.5113e+02, 4.6452e+00, 3.4941e+00],  
 [1.2306e+01, 3.9052e-03, 8.2826e-01],

[1.6552e+01, 2.3640e-02, 1.4754e+00],  
[1.0804e+00, 9.5523e-05, 7.3437e-02],  
[1.1359e+01, 7.9787e-03, 3.8118e-01],  
[1.9845e-03, 5.7692e-10, 3.1969e-04],  
[6.6321e-02, 8.4526e-07, 9.0276e-03],  
[7.5457e-03, 1.4857e-08, 1.1957e-03],  
[1.6805e+00, 1.1937e-04, 1.7185e-01],  
[7.7754e-01, 2.2693e-04, 6.3589e-02],  
[6.4546e-02, 3.6402e-06, 9.1384e-03],  
[1.0052e+01, 1.9923e-02, 4.2530e-01],  
[2.8337e+01, 1.9969e-02, 1.4887e+00],  
[2.0304e+01, 8.1596e-02, 8.8374e-01],  
[1.8980e+01, 3.2614e-02, 9.2631e-01],  
[1.5838e+00, 5.7864e-04, 1.0076e-01],  
[6.2406e+00, 5.7704e-03, 4.2502e-01],  
[3.5957e-01, 1.2587e-05, 3.3917e-02],  
[3.9604e+01, 3.5380e-01, 1.9476e+00],  
[7.7621e-02, 2.8412e-06, 9.5161e-03],  
[3.9989e-02, 1.1018e-06, 5.2955e-03],  
[6.5789e-01, 5.0658e-05, 6.2959e-02],  
[2.1170e-01, 2.1014e-05, 2.2366e-02],  
[3.9616e+00, 2.1410e-03, 3.8853e-01],  
[2.2399e+01, 1.3158e-01, 1.5350e+00],  
[9.3684e+00, 3.6209e-03, 5.6765e-01],  
[1.8506e-01, 2.2432e-05, 1.9650e-02],  
[1.6348e+01, 7.4573e-02, 6.2373e-01],  
[3.1107e+00, 5.4983e-04, 2.1864e-01],  
[5.5901e+00, 7.6334e-04, 3.2521e-01],  
[4.8122e+01, 3.5547e-01, 1.4499e+00],  
[1.2368e+01, 1.2993e-01, 1.0705e+00],  
[1.1224e+01, 2.3030e-02, 5.8052e-01],  
[1.6194e-02, 1.3806e-07, 2.3763e-03],  
[3.2697e-01, 6.7645e-06, 2.9324e-02],  
[5.8597e-01, 6.1384e-05, 6.7521e-02],  
[1.1281e+02, 5.0094e-01, 2.5358e+00],  
[3.7642e+01, 5.9923e-02, 9.9274e-01],  
[4.9329e+00, 5.6054e-04, 3.1998e-01],  
[1.1098e+01, 7.6907e-03, 6.2456e-01],  
[7.8360e-02, 5.6528e-06, 9.3804e-03],  
[1.3641e+00, 1.3407e-04, 1.2398e-01],  
[1.3558e+00, 5.1310e-04, 1.9198e-01],  
[1.0097e-01, 9.4398e-06, 1.3377e-02],  
[4.2593e-01, 9.6581e-05, 5.4560e-02],  
[3.2984e-02, 1.1523e-06, 4.6705e-03],  
[2.4772e-01, 9.8215e-06, 2.8280e-02],  
[2.4069e-01, 1.4019e-05, 3.0270e-02],  
[4.3813e+00, 6.4376e-04, 2.0538e-01],  
[3.5684e+00, 3.6937e-03, 2.1675e-01],

[1.4079e+02, 9.0548e-01, 2.8185e+00],  
 [3.3359e+00, 2.5927e-03, 2.0090e-01],  
 [6.4109e+01, 1.5401e-01, 1.5924e+00],  
 [1.3081e+02, 3.8757e+00, 3.0442e+00],  
 [2.0707e+00, 1.5722e-04, 1.1614e-01],  
 [1.1651e+01, 2.9519e-02, 1.1702e+00],  
 [1.3675e+02, 2.1410e+00, 4.4636e+00],  
 [1.5822e-01, 1.4800e-05, 1.7088e-02],  
 [1.3254e-02, 1.8400e-07, 2.0676e-03],  
 [1.2961e+01, 5.7968e-02, 5.5955e-01],  
 [5.4209e+00, 5.1667e-03, 2.6006e-01],  
 [4.2391e+00, 6.8066e-03, 3.4641e-01],  
 [2.9302e-01, 5.9901e-05, 3.2268e-02],  
 [1.4823e+00, 3.8091e-04, 1.1555e-01],  
 [1.8283e+02, 3.8988e+00, 4.3807e+00],  
 [2.8864e+02, 9.7929e+00, 4.9040e+00],  
 [4.5637e-01, 4.1726e-05, 4.1898e-02],  
 [2.1318e-01, 7.6744e-06, 2.5103e-02],  
 [1.7674e+01, 3.2636e-02, 1.7391e+00],  
 [6.6034e+01, 1.0642e-01, 1.8565e+00],  
 [3.6161e+01, 4.6493e-01, 2.0593e+00],  
 [2.3465e+02, 1.0022e+00, 4.8923e+00],  
 [4.4934e+01, 9.0420e-02, 1.3779e+00],  
 [1.8768e-01, 2.4619e-05, 2.4240e-02],  
 [3.1578e+00, 1.4786e-03, 1.4601e-01],  
 [5.8551e+00, 1.0470e-02, 4.6675e-01],  
 [3.9578e+00, 9.4853e-03, 2.9998e-01],  
 [3.3535e-01, 2.3202e-05, 3.2923e-02],  
 [7.6282e+00, 9.9180e-03, 4.0761e-01],  
 [3.9525e-01, 4.2648e-05, 3.2707e-02],  
 [6.3204e-01, 1.3408e-04, 6.4389e-02],  
 [4.4274e-02, 1.1929e-06, 5.9075e-03],  
 [8.0704e-02, 2.2746e-06, 1.0912e-02],  
 [1.0997e+01, 3.8842e-03, 6.4122e-01],  
 [3.7907e+00, 1.4829e-03, 2.8196e-01],  
 [4.0116e-03, 3.8784e-09, 6.2648e-04],  
 [3.7219e+01, 3.1891e-01, 1.4385e+00],  
 [1.5738e-02, 2.1018e-07, 2.3809e-03],  
 [5.4959e+01, 1.4501e-01, 2.8747e+00],  
 [1.4462e+01, 8.4226e-02, 9.5534e-01],  
 [6.5140e+00, 2.9359e-02, 4.8143e-01],  
 [1.0311e+00, 5.3448e-04, 1.1919e-01],  
 [6.3818e-01, 2.4033e-05, 6.9001e-02],  
 [2.4486e-02, 1.6414e-07, 3.6276e-03],  
 [4.1889e+01, 1.3821e-01, 1.7360e+00],  
 [6.9208e-03, 2.4953e-08, 1.0645e-03],  
 [3.3756e+01, 1.3350e-01, 1.4911e+00],  
 [6.2181e+01, 4.4175e-01, 2.2638e+00],

```

[1.8217e+02, 1.6277e+00, 4.1193e+00],
[7.5781e-01, 2.5122e-04, 9.0435e-02],
[8.8616e+01, 2.3163e-01, 3.4794e+00],
[5.2531e+01, 6.6247e-01, 2.5909e+00],
[3.3657e+00, 1.2388e-03, 2.8553e-01],
[3.4266e+00, 1.0071e-03, 2.8063e-01],
[6.0156e+01, 1.1031e+00, 2.7521e+00],
[7.7026e-01, 3.0425e-04, 8.0467e-02],
[4.1985e+01, 1.0922e-01, 1.8974e+00],
[4.7868e-01, 3.6089e-05, 5.9247e-02],
[3.8851e+01, 3.8469e-02, 1.2417e+00],
[6.9185e-01, 1.2261e-04, 8.1312e-02],
[1.2732e+02, 1.7545e+00, 2.6083e+00],
[2.1990e-01, 1.4530e-05, 2.2897e-02],
[2.2491e-01, 1.8570e-05, 2.2186e-02],
[5.3042e+00, 3.7515e-03, 3.2519e-01],
[1.2385e+01, 1.0666e-02, 9.1793e-01],
[2.6226e+00, 3.5616e-03, 1.8937e-01],
[2.4173e+01, 3.2629e-02, 1.4598e+00],
[2.0229e+01, 4.6758e-02, 7.2476e-01],
[2.2113e-01, 2.1289e-05, 2.6978e-02],
[1.3873e+00, 4.3821e-04, 1.1474e-01],
[2.0271e+01, 2.8060e-02, 1.2172e+00],
[1.8416e+01, 1.6982e-02, 1.5795e+00],
[4.3557e-01, 9.7294e-05, 4.3737e-02],
[7.6726e-02, 2.2548e-06, 9.7683e-03],
[2.6380e+00, 2.7792e-03, 2.1303e-01],
[1.9171e-01, 1.4511e-05, 2.5929e-02]], dtype=torch.float64)
Iteration: 42
Inputs: tensor([[3.4571e+20, 4.9768e+02, 1.6893e+01, 3.0412e+00],
[1.7930e+18, 2.7725e+02, 1.0142e+01, 1.7923e+00],
[9.3820e+19, 3.8993e+02, 1.2236e+00, 3.5623e+00],
...,
[3.7762e+19, 4.2624e+02, 1.5229e+01, 1.3850e+00],
[3.2616e+20, 2.0712e+02, 2.2676e+00, 8.9298e+00],
[3.0053e+18, 6.9761e+01, 1.3393e+00, 6.2083e+00]], dtype=torch.float64)
Target: tensor([[6.9474e+01, 4.0231e-01, 2.5979e+00],
[4.2073e-02, 2.0105e-07, 5.8551e-03],
[6.7599e+01, 9.1953e-02, 1.4072e+00],
[1.8020e-01, 2.1561e-05, 2.4029e-02],
[1.3877e+00, 2.2964e-04, 1.5868e-01],
[1.4006e-02, 2.4567e-08, 2.0607e-03],
[4.0554e-03, 4.2526e-09, 6.5380e-04],
[1.2689e-01, 6.7292e-06, 1.8069e-02],
[2.5573e+01, 7.2774e-02, 6.5443e-01],
[1.9907e+01, 4.3583e-02, 6.4350e-01],
[2.0132e-02, 4.6387e-07, 3.0834e-03],
[1.2983e-01, 1.1641e-05, 1.5587e-02],

```

[1.8448e+00, 3.5197e-04, 1.4522e-01],  
 [9.7007e+00, 9.3577e-03, 4.7100e-01],  
 [1.6258e+01, 1.4090e-01, 7.9334e-01],  
 [7.4054e+01, 9.0439e-01, 2.3379e+00],  
 [7.0137e-02, 1.5127e-07, 9.4626e-03],  
 [2.3293e+01, 2.9696e-03, 6.2722e-01],  
 [1.9957e+01, 1.0258e-02, 7.6884e-01],  
 [1.2253e-01, 6.4085e-06, 1.4766e-02],  
 [3.7271e+00, 2.8421e-03, 1.8677e-01],  
 [1.0444e-01, 5.6876e-06, 1.2191e-02],  
 [2.2824e+00, 1.4879e-03, 1.5180e-01],  
 [1.4424e-01, 1.3426e-05, 1.6828e-02],  
 [8.9005e-03, 8.5499e-08, 1.4011e-03],  
 [3.8967e-02, 4.7809e-07, 5.7374e-03],  
 [7.2724e+01, 9.0744e-01, 2.1038e+00],  
 [1.9401e+00, 1.7730e-04, 1.2277e-01],  
 [4.4919e+01, 2.5705e-01, 1.0681e+00],  
 [3.7034e+00, 1.5348e-03, 1.6859e-01],  
 [2.1700e+00, 1.0114e-03, 1.6803e-01],  
 [5.8956e+01, 1.5452e-01, 3.2429e+00],  
 [1.4136e+01, 7.5812e-03, 4.7871e-01],  
 [1.4209e+02, 1.7789e+00, 3.9419e+00],  
 [3.0961e+00, 4.9725e-03, 2.4324e-01],  
 [2.3022e-01, 3.9360e-07, 2.1472e-02],  
 [3.2127e+00, 8.8809e-04, 2.2451e-01],  
 [5.5475e+01, 4.6572e-01, 1.8358e+00],  
 [7.2207e+00, 1.0640e-03, 3.5959e-01],  
 [1.6430e-01, 8.7990e-06, 2.0348e-02],  
 [9.6901e-02, 3.3133e-06, 1.1765e-02],  
 [1.5653e+02, 2.5448e+00, 3.1233e+00],  
 [2.0666e+01, 5.9556e-02, 9.7949e-01],  
 [8.4404e+00, 4.9117e-02, 9.1284e-01],  
 [1.4675e-01, 5.1692e-06, 1.9432e-02],  
 [2.2552e-01, 2.8697e-05, 2.2180e-02],  
 [1.9893e+00, 1.1684e-04, 1.5581e-01],  
 [8.2753e+01, 6.1261e-01, 2.1792e+00],  
 [1.1832e+02, 2.3624e-01, 2.1647e+00],  
 [6.2114e+00, 3.5563e-03, 4.0615e-01],  
 [2.4212e+01, 1.7896e-01, 1.4882e+00],  
 [2.3339e+00, 5.5145e-04, 1.2858e-01],  
 [1.8588e+01, 1.1056e-02, 6.8261e-01],  
 [1.0055e+00, 1.9859e-04, 1.0965e-01],  
 [2.3978e+01, 1.3843e-01, 1.1508e+00],  
 [3.9488e+01, 2.2977e-01, 2.2364e+00],  
 [3.1860e-01, 1.9041e-05, 2.7372e-02],  
 [2.2639e+00, 5.3418e-04, 1.5307e-01],  
 [1.8026e+00, 1.0780e-03, 1.3097e-01],  
 [1.6418e+02, 3.9677e+00, 4.7093e+00],



[1.2156e+02, 8.9788e-02, 2.9117e+00],  
[4.7669e+01, 1.3281e-02, 2.0977e+00],  
[7.5317e+00, 5.9530e-04, 3.2759e-01],  
[1.4781e-01, 1.0124e-05, 1.8474e-02],  
[7.9215e+01, 1.1367e+00, 2.8486e+00],  
[1.6713e+01, 7.4129e-02, 7.7438e-01],  
[4.4230e+01, 2.4397e-01, 2.3565e+00],  
[9.5174e-01, 7.5274e-05, 8.3790e-02],  
[7.2574e-02, 1.9930e-06, 9.5815e-03],  
[6.3405e-04, 1.3624e-10, 1.0369e-04],  
[1.3441e+02, 4.5513e+00, 3.2857e+00],  
[2.0100e-01, 4.2443e-06, 2.1555e-02],  
[9.7787e+00, 1.2046e-02, 4.7199e-01],  
[2.3069e+01, 1.8616e-02, 1.7531e+00],  
[5.8040e+00, 3.3281e-03, 3.6445e-01],  
[1.2047e+02, 3.6739e-01, 3.1340e+00],  
[2.0766e+01, 1.1568e-01, 1.3114e+00],  
[2.6021e+01, 1.1078e-01, 7.9910e-01],  
[2.3663e+01, 1.4537e-01, 1.0468e+00],  
[5.9009e+01, 1.3027e-01, 1.9192e+00],  
[2.6732e+02, 3.3501e+00, 4.8003e+00],  
[3.6135e-01, 9.7755e-06, 4.1108e-02],  
[3.7589e+01, 6.5399e-02, 2.1246e+00],  
[1.4575e+02, 6.8947e-01, 3.4423e+00],  
[1.1770e-01, 1.4616e-05, 1.3837e-02],  
[7.4482e+01, 1.4347e+00, 2.7285e+00],  
[3.5051e+01, 1.0098e-01, 1.6133e+00],  
[4.5301e-01, 1.3178e-04, 5.1207e-02],  
[7.7806e-01, 3.0028e-04, 9.2797e-02],  
[2.0298e-01, 4.7141e-05, 2.4383e-02],  
[2.8194e+00, 3.5342e-03, 2.0511e-01],  
[4.4609e-02, 1.2854e-06, 6.6554e-03],  
[3.4615e+01, 1.6423e-01, 1.4076e+00],  
[1.4448e-01, 2.8275e-06, 1.9452e-02],  
[1.3938e+01, 6.2620e-02, 9.6108e-01],  
[1.3119e+02, 9.3648e-01, 4.3963e+00],  
[8.2383e+00, 5.4328e-03, 2.7931e-01],  
[8.5267e+00, 1.5358e-02, 8.4908e-01],  
[6.9401e+01, 1.0325e+00, 1.8846e+00],  
[8.6615e-02, 2.6712e-06, 1.0866e-02],  
[3.9089e-02, 4.0650e-07, 5.5426e-03],  
[4.8251e+01, 1.7004e-01, 1.9373e+00],  
[4.0354e+00, 1.6373e-03, 3.4262e-01],  
[7.8094e+00, 2.4943e-03, 3.6748e-01],  
[7.2367e+01, 2.3311e-01, 2.5028e+00],  
[1.0576e-01, 8.3001e-06, 1.3224e-02],  
[1.5114e+01, 7.0193e-03, 8.0445e-01],  
[4.2836e-01, 7.4955e-05, 4.0547e-02],

[1.0927e+02, 6.5142e-01, 3.2588e+00],  
 [7.6209e+01, 4.3635e-01, 2.2316e+00],  
 [9.4893e-01, 3.3035e-05, 9.0399e-02],  
 [1.6692e-02, 1.2505e-07, 2.5443e-03],  
 [1.3359e+02, 1.5184e+00, 2.1647e+00],  
 [6.2888e-01, 5.1066e-05, 7.7090e-02],  
 [6.7758e+01, 2.8172e-01, 2.0373e+00],  
 [3.7858e-02, 1.0461e-07, 5.3429e-03],  
 [2.2042e+00, 1.3332e-04, 1.8502e-01],  
 [2.9961e+00, 5.4368e-04, 1.8258e-01],  
 [7.4995e+00, 2.1415e-03, 4.3654e-01],  
 [5.9162e+01, 6.0840e-01, 2.2494e+00],  
 [1.1842e+00, 2.3485e-04, 1.5230e-01],  
 [3.6483e-01, 4.8148e-06, 3.0709e-02],  
 [1.3929e+02, 2.3521e+00, 3.4708e+00],  
 [1.4546e-01, 5.4132e-07, 1.7848e-02],  
 [3.4302e-02, 9.5488e-07, 5.1817e-03],  
 [3.8501e+01, 1.0419e-01, 1.1562e+00],  
 [2.1909e+02, 5.1684e-01, 4.6511e+00],  
 [8.0845e+00, 5.5753e-03, 3.0795e-01],  
 [9.1248e-02, 1.3144e-05, 1.3756e-02],  
 [1.7648e+02, 1.1776e+00, 2.8848e+00],  
 [5.6772e+00, 5.5202e-03, 3.4432e-01],  
 [7.1552e-02, 1.1188e-06, 9.2643e-03],  
 [8.2708e+01, 7.5825e-01, 1.7108e+00],  
 [9.2578e+01, 9.9524e-01, 2.1909e+00],  
 [8.3709e-02, 1.9308e-06, 1.1135e-02],  
 [1.4563e+01, 3.1223e-02, 7.8725e-01],  
 [1.5374e+00, 1.6177e-04, 1.3420e-01],  
 [4.3772e-01, 1.2592e-05, 3.7533e-02],  
 [2.7388e-02, 9.3376e-07, 4.1842e-03],  
 [2.5664e-01, 3.7649e-06, 2.4664e-02],  
 [1.4592e+02, 9.9408e-01, 2.6533e+00],  
 [1.3808e+02, 3.7719e+00, 4.1921e+00],  
 [9.4729e+00, 8.9199e-03, 7.4208e-01],  
 [3.1812e+01, 3.1191e-01, 1.1778e+00],  
 [1.3880e+01, 5.5547e-02, 6.2316e-01],  
 [2.4058e+02, 8.0749e+00, 4.7010e+00],  
 [2.2462e+00, 7.5177e-04, 1.5239e-01],  
 [4.9045e+01, 6.5930e-01, 1.8343e+00],  
 [3.2780e+01, 1.0517e-01, 1.1310e+00],  
 [6.2421e-01, 1.8724e-04, 7.4682e-02],  
 [8.5528e-02, 6.1860e-07, 1.1129e-02],  
 [3.9187e-02, 4.4768e-07, 5.4476e-03],  
 [1.1104e+01, 5.5807e-02, 6.6136e-01],  
 [5.2450e+01, 2.3946e-01, 1.4443e+00],  
 [3.7678e+01, 3.9183e-02, 8.3974e-01],  
 [1.1686e+01, 1.0936e-02, 6.1787e-01],

[9.9032e+00, 4.3938e-03, 3.3258e-01],  
[7.6450e+00, 2.0927e-03, 4.8753e-01],  
[8.3650e+01, 5.5169e-01, 2.9076e+00],  
[6.6925e+01, 2.0260e-01, 1.8443e+00],  
[8.6891e-02, 2.7735e-06, 1.1427e-02],  
[3.3124e-01, 1.7421e-05, 3.6082e-02],  
[2.1231e+02, 4.0343e+00, 4.7824e+00],  
[4.7513e+01, 5.7626e-01, 1.2140e+00],  
[5.8088e+01, 1.1189e+00, 2.5681e+00],  
[1.4818e+02, 2.7136e+00, 3.8174e+00],  
[1.4527e+00, 1.3068e-03, 1.8162e-01],  
[6.6679e+00, 5.0641e-03, 6.0595e-01],  
[6.4066e+01, 4.2789e-01, 2.6015e+00],  
[5.4883e-02, 1.3844e-06, 8.1511e-03],  
[8.0517e+01, 3.0345e-01, 3.0548e+00],  
[2.8529e+00, 6.7142e-04, 1.3543e-01],  
[6.7120e+00, 2.8623e-03, 2.8674e-01],  
[9.4939e+00, 1.2804e-02, 3.8801e-01],  
[1.9962e+01, 6.3767e-03, 6.2636e-01],  
[1.5952e+00, 1.6409e-03, 1.5785e-01],  
[1.6103e+00, 2.5591e-04, 1.0430e-01],  
[5.1319e-03, 1.9382e-08, 8.0976e-04],  
[2.3107e+01, 1.2520e-01, 1.0367e+00],  
[2.5338e-02, 3.9580e-08, 3.6799e-03],  
[7.5726e+00, 2.8788e-03, 6.1781e-01],  
[2.3237e+00, 1.0299e-03, 2.3481e-01],  
[3.5343e+01, 1.2500e-02, 1.7184e+00],  
[2.0299e+01, 7.2435e-02, 6.6100e-01],  
[4.8217e+01, 3.6102e-02, 1.3185e+00],  
[1.4328e-02, 2.8305e-07, 2.1596e-03],  
[2.1188e+01, 6.2947e-02, 1.6181e+00],  
[7.4397e+01, 1.0981e+00, 1.9472e+00],  
[4.4386e+00, 3.6080e-03, 3.1931e-01],  
[1.2263e+01, 2.8330e-02, 1.3220e+00],  
[2.5249e+01, 5.0438e-02, 5.8768e-01],  
[4.7209e+01, 3.0466e-01, 1.1115e+00],  
[4.6445e+00, 5.4893e-04, 3.4437e-01],  
[9.5587e+01, 1.8993e-01, 3.5507e+00],  
[3.7802e+01, 3.2814e-01, 1.4387e+00],  
[4.6359e+00, 2.5642e-03, 3.7735e-01],  
[3.3542e+01, 4.0112e-02, 1.7978e+00],  
[9.7573e-02, 5.5415e-06, 1.3768e-02],  
[1.6198e+02, 2.7132e-01, 4.7774e+00],  
[7.7125e+01, 6.0356e-01, 2.1853e+00],  
[3.0192e+02, 7.7606e+00, 5.0910e+00],  
[4.8227e-03, 4.4064e-09, 7.6125e-04],  
[3.1659e+01, 3.3105e-02, 1.0267e+00],  
[5.7018e-01, 9.1111e-05, 6.6303e-02],

[2.9150e+00, 2.1597e-03, 1.8642e-01],  
[1.7594e+01, 4.5483e-02, 8.7964e-01],  
[1.7669e+01, 4.9625e-02, 6.6379e-01],  
[3.1763e+01, 2.2426e-02, 1.2725e+00],  
[2.0610e-01, 1.0124e-05, 2.0023e-02],  
[4.1216e+00, 1.1701e-03, 2.3062e-01],  
[2.0925e+01, 5.4797e-02, 6.9729e-01],  
[7.8336e+01, 4.4396e-01, 3.5397e+00],  
[2.8653e-01, 7.8997e-05, 3.3035e-02],  
[5.0890e-01, 6.6014e-05, 4.6044e-02],  
[1.3602e+01, 4.0935e-02, 9.0932e-01],  
[8.2438e+01, 1.8835e+00, 2.1998e+00],  
[6.5781e+01, 4.1656e-01, 2.4786e+00],  
[2.9307e-01, 6.0736e-05, 3.0115e-02],  
[3.6773e+00, 2.2949e-03, 4.2681e-01],  
[8.6608e-01, 8.2562e-06, 7.7247e-02],  
[5.5611e+00, 1.0334e-02, 5.5263e-01],  
[2.8653e+01, 3.7475e-02, 1.0081e+00],  
[9.2439e-02, 8.0329e-06, 1.2073e-02],  
[1.6705e+01, 1.2374e-01, 7.9396e-01],  
[4.4542e+00, 2.2677e-03, 3.9361e-01],  
[2.8348e+01, 5.5463e-02, 7.5809e-01],  
[1.2107e+01, 5.5193e-02, 6.0569e-01],  
[2.6879e+01, 2.0442e-01, 8.7983e-01],  
[2.0860e+01, 2.9575e-02, 1.0124e+00],  
[2.1803e+02, 7.3312e+00, 4.0793e+00],  
[5.1049e+01, 1.3062e-01, 1.1831e+00],  
[6.0182e-04, 4.9715e-11, 9.7796e-05],  
[8.2548e-01, 2.7998e-04, 1.1835e-01],  
[6.7306e+01, 5.6794e-01, 1.1852e+00],  
[2.1440e+01, 2.7272e-02, 1.0207e+00],  
[1.2204e-01, 3.0223e-06, 1.7460e-02],  
[9.3567e+01, 1.1866e+00, 3.9421e+00],  
[1.4751e+01, 7.9183e-02, 1.1576e+00],  
[1.0916e+00, 4.0674e-05, 9.0590e-02],  
[1.3041e+00, 3.8828e-04, 1.0126e-01],  
[3.2554e+01, 9.1858e-02, 1.0471e+00],  
[9.3255e+01, 8.5675e-01, 2.8717e+00],  
[2.6701e+01, 2.2305e-01, 9.9948e-01],  
[1.3250e+01, 4.3836e-02, 5.2102e-01],  
[4.2421e+01, 2.0264e-01, 1.8545e+00],  
[1.1122e-01, 6.1234e-06, 1.4826e-02],  
[1.2622e+01, 3.1341e-02, 1.2111e+00],  
[1.3506e+01, 4.0966e-03, 6.0686e-01],  
[9.8576e+01, 1.7940e-01, 2.9740e+00],  
[4.0521e-01, 1.0106e-04, 4.7343e-02],  
[1.5464e-02, 3.8029e-08, 2.4320e-03],  
[4.0453e+01, 2.9358e-01, 2.5102e+00],

[7.2693e+00, 1.4571e-02, 3.2617e-01],  
 [2.8214e+00, 1.1705e-03, 1.4467e-01],  
 [5.2401e+00, 1.2968e-03, 4.0711e-01],  
 [2.3836e+01, 9.8781e-02, 1.0670e+00],  
 [2.4390e+01, 2.8504e-01, 1.3982e+00],  
 [1.2064e+00, 6.2573e-04, 9.9600e-02],  
 [4.2072e+00, 1.9015e-03, 2.8131e-01],  
 [1.4459e+02, 1.5208e+00, 3.2081e+00],  
 [2.9280e+00, 3.6191e-03, 1.9225e-01],  
 [3.1644e+01, 4.2774e-02, 1.8683e+00],  
 [7.3429e+00, 3.6584e-03, 2.9369e-01],  
 [1.6946e-01, 5.0973e-06, 2.2293e-02],  
 [1.6842e-01, 2.9347e-06, 2.4402e-02],  
 [1.5100e+01, 3.9855e-02, 1.0361e+00],  
 [1.0319e+00, 6.1931e-05, 1.0568e-01],  
 [1.3660e+02, 1.8053e+00, 3.9189e+00],  
 [1.1365e+02, 1.8167e+00, 2.2607e+00],  
 [1.2528e+01, 7.0076e-03, 4.1244e-01],  
 [1.3939e+01, 6.0040e-02, 8.2274e-01],  
 [7.7583e+01, 6.3460e-01, 3.3983e+00],  
 [7.0217e+00, 4.8031e-02, 8.3935e-01],  
 [1.1949e+01, 1.7738e-02, 7.3971e-01],  
 [2.4562e+00, 4.9881e-03, 2.7946e-01],  
 [4.3727e+00, 3.6721e-03, 2.6704e-01],  
 [5.5845e+01, 1.9537e-01, 2.5062e+00],  
 [8.3198e+01, 1.1563e+00, 2.6469e+00],  
 [1.1639e+01, 7.1934e-03, 1.0081e+00],  
 [1.3932e+01, 7.6736e-02, 1.3476e+00],  
 [2.5143e+01, 5.8034e-02, 1.8816e+00],  
 [7.2719e+01, 1.0104e+00, 2.1487e+00],  
 [2.0169e+02, 6.0763e-01, 3.5649e+00],  
 [9.5361e-02, 7.0996e-06, 1.2663e-02],  
 [8.8728e-03, 7.1815e-08, 1.3547e-03],  
 [3.9962e+01, 7.0704e-02, 1.6910e+00],  
 [9.9456e+00, 5.1182e-03, 4.9097e-01],  
 [1.2089e+02, 4.1705e-01, 4.0219e+00],  
 [5.6813e+01, 8.3657e-01, 2.7056e+00],  
 [1.9870e-01, 2.5830e-05, 2.1131e-02],  
 [2.9784e+01, 4.4153e-01, 1.7810e+00],  
 [4.2067e+00, 2.6098e-03, 2.6947e-01],  
 [6.5252e-02, 2.7161e-06, 9.7308e-03],  
 [1.1674e+01, 1.0060e-02, 6.7023e-01],  
 [9.2045e+01, 6.9927e-01, 2.4550e+00],  
 [2.5814e+01, 1.1331e-01, 9.3538e-01],  
 [3.3574e+00, 1.6613e-03, 2.0725e-01],  
 [3.1002e+01, 2.2346e-01, 1.3041e+00],  
 [1.5042e+02, 3.4128e+00, 3.8971e+00],  
 [9.2053e+01, 7.7898e-01, 2.1668e+00],

```

[2.5584e+02, 7.8301e+00, 4.5549e+00],
[1.1761e+02, 1.5649e+00, 3.6449e+00],
[1.5366e-01, 5.2685e-06, 1.7134e-02],
[2.5511e-01, 3.1388e-05, 3.1285e-02],
[1.5322e-01, 1.4510e-05, 1.9502e-02],
[5.7173e-04, 4.2348e-11, 9.3212e-05],
[5.2519e+01, 5.2781e-01, 2.6506e+00],
[2.3160e+02, 5.7894e+00, 3.5371e+00],
[1.4250e+02, 6.4621e+00, 4.6790e+00],
[4.9006e+00, 9.7774e-03, 3.7371e-01],
[2.4861e+00, 5.2632e-04, 2.5382e-01],
[4.4282e-04, 4.0132e-11, 7.2771e-05],
[9.3426e+01, 9.8905e-01, 4.0175e+00],
[1.5483e+02, 1.4629e+00, 3.5397e+00],
[1.5349e+00, 1.4934e-04, 1.4655e-01],
[6.4262e+01, 7.1518e-01, 2.2403e+00],
[5.0144e+00, 6.9431e-03, 3.7547e-01],
[4.3012e+00, 1.3930e-03, 3.7070e-01],
[1.1312e+02, 1.4801e+00, 2.7622e+00],
[1.6824e-01, 5.7331e-06, 2.0793e-02]], dtype=torch.float64)
Iteration: 43
Inputs: tensor([[6.4920e+20, 3.0860e+02, 1.4158e+01, 4.5659e+00],
[8.3174e+20, 4.3921e+02, 1.9754e+01, 5.4813e+00],
[1.0870e+20, 3.1415e+02, 1.5197e+01, 4.2805e+00],
...,
[8.9867e+19, 1.5055e+02, 6.6645e+00, 1.8337e+00],
[5.8062e+20, 4.1866e+02, 1.1835e+01, 9.7047e+00],
[4.0880e+19, 1.3391e+02, 1.3768e+01, 6.2458e+00]], dtype=torch.float64)
Target: tensor([[1.0801e+02, 1.2823e+00, 3.7254e+00],
[1.5337e+02, 3.7596e+00, 4.4247e+00],
[2.6750e+01, 1.0406e-01, 1.2516e+00],
[2.5251e+01, 2.3086e-01, 1.0357e+00],
[2.0274e-02, 2.7782e-07, 2.8907e-03],
[1.3083e+01, 7.4651e-02, 9.2018e-01],
[2.0447e+01, 9.6895e-02, 1.3103e+00],
[8.7459e-03, 2.6124e-08, 1.3151e-03],
[1.1676e-01, 4.4594e-06, 1.4955e-02],
[1.1166e+01, 1.1619e-02, 6.1089e-01],
[1.4233e+01, 3.5462e-02, 4.9369e-01],
[1.5577e+01, 6.0865e-02, 6.1784e-01],
[6.3447e+00, 1.0191e-02, 3.1515e-01],
[1.3007e+00, 4.3301e-04, 1.0289e-01],
[1.2902e+01, 3.9832e-02, 8.8411e-01],
[2.8293e+00, 1.0151e-03, 2.6441e-01],
[5.1244e+00, 1.9872e-03, 2.8404e-01],
[1.5060e+02, 1.5634e+00, 2.9899e+00],
[3.7284e+00, 4.4067e-04, 3.1184e-01],
[2.6665e-01, 2.5606e-05, 2.6236e-02],

```

[5.8817e+00, 4.0745e-03, 4.2054e-01],  
 [1.0680e+01, 4.6307e-02, 6.7085e-01],  
 [1.5887e+01, 6.4726e-03, 5.9683e-01],  
 [2.1161e+00, 3.5617e-04, 1.2615e-01],  
 [3.4741e-02, 7.6426e-07, 4.7711e-03],  
 [3.1220e-01, 1.9714e-05, 3.0544e-02],  
 [1.3027e+01, 1.5885e-02, 5.0649e-01],  
 [2.4199e+00, 7.8744e-04, 1.7135e-01],  
 [1.5506e-02, 4.4682e-08, 2.3948e-03],  
 [1.1306e+02, 1.8306e+00, 2.1238e+00],  
 [2.1491e+02, 6.4375e+00, 3.4078e+00],  
 [1.1230e-01, 4.2356e-06, 1.2585e-02],  
 [5.1308e-02, 4.1350e-06, 7.6293e-03],  
 [7.0447e-01, 2.6708e-04, 5.5838e-02],  
 [1.4343e+02, 4.6748e+00, 3.0854e+00],  
 [9.2181e-01, 1.8109e-05, 7.2006e-02],  
 [2.4356e-01, 2.3627e-05, 3.1524e-02],  
 [2.0145e+01, 1.9407e-02, 8.4891e-01],  
 [9.2233e+01, 1.3476e+00, 3.0078e+00],  
 [1.1648e+02, 2.0559e+00, 2.6936e+00],  
 [3.4164e+01, 3.8788e-01, 1.0618e+00],  
 [1.2535e+00, 7.0539e-05, 1.2234e-01],  
 [1.9131e+01, 1.6401e-02, 8.8579e-01],  
 [3.5256e-01, 2.7880e-05, 3.4814e-02],  
 [5.4683e+00, 8.4593e-03, 3.3206e-01],  
 [1.4565e+00, 1.0471e-03, 1.0553e-01],  
 [1.0913e-01, 1.8066e-06, 1.5097e-02],  
 [1.6532e+01, 6.0842e-02, 6.2150e-01],  
 [1.9984e-01, 3.4041e-06, 2.3847e-02],  
 [2.8914e+01, 2.7576e-02, 9.1312e-01],  
 [9.2539e+01, 1.2824e+00, 2.9405e+00],  
 [2.5340e+01, 1.4097e-01, 8.1272e-01],  
 [2.0276e+01, 5.0240e-02, 1.1105e+00],  
 [3.3786e-01, 6.3199e-05, 3.2125e-02],  
 [2.2693e+02, 5.6471e+00, 4.3721e+00],  
 [1.0903e+02, 6.9437e-01, 1.8579e+00],  
 [2.2333e-01, 1.5595e-05, 2.5499e-02],  
 [1.0138e+02, 1.6207e+00, 2.0252e+00],  
 [2.7548e+00, 2.5151e-03, 2.9544e-01],  
 [1.0396e+01, 1.6322e-02, 4.9521e-01],  
 [1.3513e+02, 5.1888e+00, 3.5583e+00],  
 [3.1550e+01, 1.5103e-01, 1.1109e+00],  
 [3.7600e+01, 3.2710e-01, 1.4781e+00],  
 [1.4263e+00, 1.1120e-04, 1.1592e-01],  
 [1.0325e-01, 7.9048e-06, 1.3571e-02],  
 [1.3117e+02, 3.1305e+00, 3.6154e+00],  
 [2.2036e+02, 3.8261e+00, 3.4484e+00],  
 [2.4139e-01, 1.5439e-05, 3.4551e-02],

[4.5162e-03, 2.4137e-08, 6.9970e-04],  
 [6.6318e+00, 5.9071e-03, 4.4773e-01],  
 [1.7626e+01, 1.1978e-02, 1.2160e+00],  
 [2.1511e+01, 1.1809e-01, 9.6493e-01],  
 [1.8862e+01, 2.6497e-02, 1.3043e+00],  
 [2.0467e+00, 1.4609e-03, 1.2565e-01],  
 [4.7421e+01, 3.2529e-01, 1.9113e+00],  
 [1.8825e+02, 6.6781e+00, 4.5133e+00],  
 [5.2399e-01, 5.9712e-05, 4.2155e-02],  
 [6.7150e+00, 7.2732e-03, 5.4593e-01],  
 [2.6801e+00, 4.2792e-04, 1.5676e-01],  
 [5.2149e+01, 2.5769e-01, 1.4707e+00],  
 [6.1429e+00, 3.5839e-03, 2.6393e-01],  
 [2.3934e+00, 4.1463e-04, 1.7249e-01],  
 [4.3060e+00, 3.1202e-03, 2.3427e-01],  
 [7.9084e+01, 1.2374e+00, 2.2187e+00],  
 [4.1517e+01, 1.0447e-01, 1.4447e+00],  
 [1.8079e+01, 2.4445e-02, 1.6152e+00],  
 [2.6095e+00, 2.0904e-03, 1.7297e-01],  
 [4.5665e-01, 6.9912e-05, 4.9716e-02],  
 [1.7926e+01, 9.3569e-03, 1.2961e+00],  
 [2.0858e-01, 1.3182e-05, 2.1878e-02],  
 [7.6462e+01, 1.1019e+00, 2.1333e+00],  
 [5.4594e-01, 7.9722e-05, 5.3295e-02],  
 [9.0051e+01, 2.1886e+00, 2.4539e+00],  
 [1.7679e+00, 4.5337e-03, 2.1951e-01],  
 [2.9958e+00, 1.8721e-03, 1.7395e-01],  
 [3.6212e-02, 1.7740e-07, 5.3319e-03],  
 [5.5025e-01, 1.2270e-04, 5.9701e-02],  
 [1.5029e+02, 4.1757e+00, 3.5593e+00],  
 [2.4796e-01, 4.9536e-05, 3.0774e-02],  
 [1.7793e+01, 1.0972e-01, 6.3402e-01],  
 [2.5882e-02, 6.0277e-07, 3.7038e-03],  
 [7.7680e-01, 1.6623e-04, 5.8126e-02],  
 [2.1702e-01, 3.3729e-06, 2.1281e-02],  
 [8.0163e-02, 7.9055e-07, 1.0125e-02],  
 [1.7789e+02, 5.4229e+00, 4.6587e+00],  
 [1.2814e+00, 6.3729e-04, 1.3362e-01],  
 [8.3970e-03, 9.5989e-09, 1.3440e-03],  
 [1.2490e-01, 3.4272e-06, 1.5980e-02],  
 [1.7083e+00, 4.4056e-04, 8.9022e-02],  
 [1.0428e+01, 2.0842e-02, 9.8770e-01],  
 [1.0000e+02, 1.9951e+00, 2.7745e+00],  
 [9.6782e-02, 4.7576e-06, 1.4463e-02],  
 [6.5855e-01, 4.3364e-04, 7.7987e-02],  
 [3.6701e+00, 1.5094e-03, 2.1695e-01],  
 [1.0489e+02, 5.5363e-01, 3.1422e+00],  
 [1.3700e+01, 2.9918e-02, 7.2827e-01],



[4.3973e+01, 3.1052e-02, 1.0830e+00],  
 [1.3008e+02, 2.5901e+00, 3.5979e+00],  
 [6.2532e-01, 5.7434e-05, 8.0144e-02],  
 [5.7763e+00, 6.2782e-03, 3.1260e-01],  
 [9.1024e+01, 3.2103e-01, 2.6772e+00],  
 [4.6679e+01, 6.2841e-01, 1.5765e+00],  
 [1.4154e-01, 2.4159e-05, 1.9896e-02],  
 [7.4256e-02, 1.3917e-06, 9.3419e-03],  
 [1.3483e+02, 3.9862e+00, 3.2534e+00],  
 [1.6596e-01, 1.8245e-05, 1.7634e-02],  
 [8.0226e+01, 7.5524e-01, 2.7851e+00],  
 [2.2181e-01, 5.4965e-06, 2.8933e-02],  
 [2.6321e-02, 8.1448e-07, 3.9040e-03],  
 [4.1184e+00, 1.7293e-02, 4.5572e-01],  
 [7.9076e-01, 1.6749e-04, 7.8291e-02],  
 [6.6598e+01, 1.3657e+00, 2.3044e+00],  
 [1.7831e+00, 5.5543e-04, 1.0779e-01],  
 [3.2542e+01, 4.1671e-01, 1.8184e+00],  
 [1.5982e+01, 7.1000e-02, 1.3790e+00],  
 [9.8719e-01, 2.2844e-04, 7.2999e-02],  
 [2.0178e+00, 1.7515e-03, 1.6654e-01],  
 [5.1853e+01, 4.3965e-01, 1.7569e+00],  
 [2.5999e+00, 2.5289e-04, 1.8954e-01],  
 [2.3412e+01, 1.9204e-01, 1.6537e+00],  
 [1.9829e+01, 5.8213e-02, 1.8275e+00],  
 [6.2577e-01, 8.9983e-05, 4.8913e-02],  
 [4.2166e+01, 1.1428e-01, 2.9486e+00],  
 [5.5677e+00, 1.0255e-02, 3.3772e-01],  
 [8.5428e+01, 1.8802e+00, 2.5415e+00],  
 [3.5219e+01, 9.3055e-02, 1.8093e+00],  
 [2.2468e+01, 7.1094e-02, 6.7342e-01],  
 [3.2352e+00, 1.6752e-03, 1.8406e-01],  
 [1.1471e+01, 3.1638e-02, 9.8389e-01],  
 [1.7453e-01, 5.5696e-06, 2.1135e-02],  
 [7.3818e+00, 6.7296e-03, 3.4749e-01],  
 [1.4554e-02, 5.4112e-08, 2.2010e-03],  
 [1.5821e+02, 1.9408e+00, 4.4306e+00],  
 [1.3999e+01, 1.3419e-02, 9.9080e-01],  
 [3.0877e+01, 7.3402e-02, 8.9523e-01],  
 [1.2277e+01, 3.6820e-02, 6.0827e-01],  
 [3.7985e+01, 6.0552e-02, 1.8006e+00],  
 [3.1874e+00, 1.2759e-03, 2.6342e-01],  
 [3.6154e-01, 4.1452e-05, 3.6816e-02],  
 [1.5936e+02, 1.2954e+00, 3.3968e+00],  
 [1.0051e+01, 9.0834e-03, 4.5519e-01],  
 [2.0878e+01, 1.9885e-01, 1.9413e+00],  
 [9.7835e+01, 1.9479e+00, 2.2339e+00],  
 [5.5819e-02, 3.6499e-06, 8.3105e-03],

[1.2772e+00, 7.1446e-05, 7.5367e-02],  
 [7.6644e+01, 1.1033e+00, 2.0090e+00],  
 [1.1554e+00, 3.4043e-04, 8.8302e-02],  
 [2.4992e-02, 7.5799e-08, 3.6124e-03],  
 [1.2746e+02, 2.5500e+00, 2.7536e+00],  
 [2.1747e+01, 1.2802e-01, 8.0361e-01],  
 [1.7501e-01, 7.5424e-06, 1.9444e-02],  
 [2.5599e+02, 1.3008e+01, 4.6330e+00],  
 [4.9192e+00, 1.9331e-03, 3.5823e-01],  
 [3.7872e+01, 6.7901e-01, 2.3377e+00],  
 [6.6578e+00, 1.6689e-02, 3.5392e-01],  
 [3.2091e+01, 2.4209e-01, 1.2618e+00],  
 [2.3485e-01, 3.4640e-05, 2.9564e-02],  
 [1.5879e+02, 4.4794e-01, 3.3314e+00],  
 [1.5077e-01, 1.1025e-05, 1.9844e-02],  
 [2.9964e-03, 3.4337e-09, 4.7567e-04],  
 [5.5890e+00, 5.5139e-03, 6.3290e-01],  
 [4.4363e+00, 2.3280e-03, 3.9502e-01],  
 [4.6565e-01, 1.0352e-04, 4.5023e-02],  
 [5.0925e+01, 4.3963e-02, 1.1940e+00],  
 [9.3645e+01, 2.5165e+00, 3.7150e+00],  
 [3.7552e+00, 2.6785e-03, 2.0199e-01],  
 [5.7712e+00, 1.7643e-03, 2.8126e-01],  
 [7.6187e+00, 7.5144e-03, 3.6160e-01],  
 [2.4474e+00, 1.7861e-03, 1.7375e-01],  
 [1.9484e+02, 4.6405e+00, 3.6154e+00],  
 [7.0952e-03, 2.3186e-08, 1.0782e-03],  
 [2.0742e-02, 3.3676e-07, 3.0977e-03],  
 [5.9546e-01, 2.0310e-05, 7.3613e-02],  
 [3.9142e+01, 5.3698e-01, 1.9319e+00],  
 [7.8665e+00, 1.2705e-02, 3.7209e-01],  
 [1.5624e+00, 1.6519e-03, 2.0548e-01],  
 [4.8818e-01, 5.3047e-05, 4.2952e-02],  
 [1.4175e+02, 1.9022e+00, 3.1420e+00],  
 [1.0288e+01, 1.2717e-02, 7.2825e-01],  
 [8.9234e+00, 5.3009e-03, 7.9539e-01],  
 [1.0441e+02, 5.5082e-01, 2.6782e+00],  
 [4.7903e+01, 2.7824e-01, 1.5010e+00],  
 [8.4879e+01, 9.7244e-01, 2.6968e+00],  
 [5.0116e-01, 1.2211e-04, 7.2000e-02],  
 [3.4214e+01, 2.7420e-01, 1.9496e+00],  
 [4.9806e-02, 3.1988e-06, 7.3730e-03],  
 [1.3971e+01, 4.5157e-02, 5.5516e-01],  
 [4.7952e+01, 8.2152e-01, 2.6650e+00],  
 [2.9726e-02, 7.2961e-07, 4.3297e-03],  
 [3.0727e-01, 9.5497e-05, 3.7463e-02],  
 [8.1717e+01, 5.3096e-01, 2.8138e+00],  
 [2.1213e+00, 5.5805e-04, 1.3430e-01],

[5.1069e-01, 4.0424e-05, 3.5464e-02],  
[4.2680e-01, 2.1834e-04, 5.3827e-02],  
[1.1062e-02, 4.5403e-08, 1.6688e-03],  
[1.6821e+01, 7.4065e-02, 7.3576e-01],  
[4.3680e-01, 1.7752e-05, 4.9628e-02],  
[8.7167e-02, 2.7426e-06, 1.1591e-02],  
[1.3588e+02, 2.2035e+00, 3.6950e+00],  
[9.5876e-01, 1.1925e-04, 1.0585e-01],  
[3.0028e+00, 1.2488e-03, 2.0195e-01],  
[4.0089e-02, 1.5557e-07, 5.6058e-03],  
[6.2867e-01, 6.3415e-05, 8.5592e-02],  
[6.8050e+01, 5.6763e-01, 2.5927e+00],  
[3.2640e-02, 1.0001e-06, 4.5749e-03],  
[7.0378e+01, 8.4196e-01, 1.9089e+00],  
[7.2538e+01, 2.0831e-01, 2.5885e+00],  
[7.9635e-01, 5.0051e-04, 1.0675e-01],  
[6.0398e+00, 5.6722e-03, 4.2565e-01],  
[2.7734e+01, 1.2106e-01, 1.7572e+00],  
[2.9650e+02, 1.0202e+01, 5.0562e+00],  
[3.1676e+01, 2.0246e-01, 1.7746e+00],  
[1.2004e+01, 6.0661e-02, 8.6126e-01],  
[1.3871e+02, 4.0099e+00, 4.5286e+00],  
[2.3731e+01, 2.6156e-01, 1.1903e+00],  
[9.5018e-01, 2.7637e-04, 7.9163e-02],  
[5.7079e+00, 7.5732e-03, 2.8965e-01],  
[7.6698e-01, 7.2168e-06, 4.8672e-02],  
[4.2743e+01, 5.5960e-02, 1.2099e+00],  
[4.8966e-01, 8.4869e-05, 4.6655e-02],  
[1.0193e-01, 4.5392e-06, 1.1636e-02],  
[1.2510e+02, 2.0615e+00, 3.6762e+00],  
[5.8254e-02, 1.8997e-06, 8.3228e-03],  
[2.8753e+01, 2.0254e-01, 1.1152e+00],  
[2.7006e-01, 2.4039e-05, 2.5528e-02],  
[3.6872e+00, 1.4305e-02, 4.3259e-01],  
[1.7971e-01, 8.3894e-06, 2.2228e-02],  
[8.7119e+00, 6.4535e-03, 3.1935e-01],  
[5.1963e+00, 2.5515e-02, 4.5231e-01],  
[3.7828e+00, 1.2325e-03, 1.6883e-01],  
[1.5533e+02, 1.5454e+00, 3.5804e+00],  
[3.0530e+00, 6.5685e-04, 2.1261e-01],  
[3.6189e-01, 2.6930e-05, 4.5797e-02],  
[2.5633e+00, 3.7175e-04, 2.3940e-01],  
[4.2008e+01, 5.6484e-02, 9.0470e-01],  
[2.2472e-01, 4.5425e-07, 2.4621e-02],  
[2.0815e+00, 1.5221e-03, 2.0235e-01],  
[2.7492e+00, 5.9361e-03, 2.5274e-01],  
[4.7906e+00, 1.9237e-03, 3.1295e-01],  
[1.8015e-01, 1.0479e-05, 1.9961e-02],

[4.7029e-01, 4.5892e-05, 3.5902e-02],  
 [5.6306e+00, 2.1797e-03, 3.2481e-01],  
 [3.1835e+00, 3.6965e-03, 1.8824e-01],  
 [2.4988e+01, 3.0694e-03, 1.1722e+00],  
 [6.0445e+00, 5.8865e-03, 4.6842e-01],  
 [5.9767e+01, 3.8083e-01, 1.1495e+00],  
 [7.8504e-02, 4.5259e-06, 1.0725e-02],  
 [4.4419e+01, 5.8353e-01, 1.3745e+00],  
 [1.1731e+02, 1.0394e+00, 3.6962e+00],  
 [9.6827e+00, 1.7665e-02, 4.2732e-01],  
 [1.6506e+01, 2.5185e-02, 1.0588e+00],  
 [7.6488e-01, 5.7236e-05, 5.2190e-02],  
 [1.2467e+02, 2.4828e+00, 4.4873e+00],  
 [4.5012e+00, 4.9957e-03, 4.6372e-01],  
 [9.4074e-01, 4.5861e-04, 1.2626e-01],  
 [5.0184e-01, 7.6832e-05, 5.7778e-02],  
 [6.5238e-03, 1.3183e-08, 9.9581e-04],  
 [9.6749e+01, 7.5238e-01, 2.5585e+00],  
 [5.3213e-01, 1.2552e-05, 5.1982e-02],  
 [5.6897e-02, 3.0751e-06, 8.1326e-03],  
 [6.3501e+00, 2.1512e-03, 2.6467e-01],  
 [4.3320e+00, 6.2903e-03, 2.9783e-01],  
 [4.0567e+01, 8.1365e-02, 1.9757e+00],  
 [2.0569e+00, 2.4462e-03, 1.5469e-01],  
 [6.7490e+00, 3.6610e-03, 2.7760e-01],  
 [6.1801e+01, 2.6400e-01, 1.7321e+00],  
 [7.0139e+01, 1.5454e+00, 1.7882e+00],  
 [3.7484e+00, 6.6338e-04, 2.1261e-01],  
 [4.8009e-01, 2.1365e-05, 3.8007e-02],  
 [2.1903e+00, 1.0978e-05, 1.2524e-01],  
 [2.0010e+01, 8.2360e-02, 8.1234e-01],  
 [2.2046e-02, 3.5797e-07, 3.2910e-03],  
 [1.5860e+02, 1.0621e+00, 3.8437e+00],  
 [1.8759e+00, 1.1299e-03, 1.3695e-01],  
 [1.8779e-02, 5.2040e-08, 2.7654e-03],  
 [4.8995e+01, 5.6850e-01, 1.9924e+00],  
 [5.1479e+01, 2.2690e-01, 1.4048e+00],  
 [1.5260e+02, 2.0568e+00, 3.5960e+00],  
 [1.1898e-01, 1.1937e-05, 1.5924e-02],  
 [6.2309e+00, 8.1961e-03, 4.6087e-01],  
 [6.9667e+01, 1.2962e-01, 2.3931e+00],  
 [1.5702e+02, 1.6068e+00, 4.3107e+00],  
 [8.2738e-01, 1.1931e-04, 5.4367e-02],  
 [1.0947e+01, 1.3367e-02, 5.3545e-01],  
 [2.7468e-01, 3.4721e-05, 3.5652e-02],  
 [1.4774e+00, 5.4535e-04, 1.3179e-01],  
 [1.6582e+02, 3.4857e-01, 4.6770e+00],  
 [8.0898e+00, 1.8181e-02, 3.8982e-01],

```

[4.1203e-01, 1.0987e-05, 4.7189e-02],
[3.1074e-01, 2.6500e-05, 2.9044e-02],
[2.0341e+02, 3.4164e+00, 3.6818e+00],
[2.0957e+00, 4.9611e-04, 2.0909e-01],
[1.3301e+00, 4.5976e-04, 1.0538e-01],
[6.9208e-03, 5.2009e-09, 1.0933e-03],
[1.2944e-02, 2.3614e-08, 2.0487e-03],
[2.7006e+00, 1.2890e-03, 1.3483e-01],
[7.6447e+00, 1.2436e-02, 4.2027e-01],
[9.8764e+00, 4.5238e-03, 7.5068e-01],
[1.8398e+02, 7.4807e+00, 3.8296e+00],
[5.8809e+00, 1.2684e-02, 4.5693e-01]], dtype=torch.float64)
Iteration: 44
Inputs: tensor([[2.7336e+19, 2.2826e+02, 1.7695e+01, 7.6566e+00],
[5.6577e+20, 1.9189e+02, 1.2004e+01, 3.5955e+00],
[3.5104e+19, 2.8369e+02, 7.9589e+00, 4.6759e+00],
...,
[3.0622e+18, 3.4055e+02, 6.7187e+00, 9.0804e+00],
[5.2761e+20, 3.6366e+02, 6.4947e+00, 9.5578e+00],
[1.3484e+19, 6.6046e+01, 1.1740e+01, 4.1978e+00]], dtype=torch.float64)
Target: tensor([[6.4879e+00, 1.7715e-02, 4.2892e-01],
[6.1568e+01, 3.5716e-01, 3.0157e+00],
[1.3671e+01, 1.8071e-02, 6.4030e-01],
[1.0121e-01, 9.4337e-07, 1.2959e-02],
[5.9003e-01, 6.1576e-05, 4.0011e-02],
[5.3578e+00, 8.5686e-04, 3.1256e-01],
[8.1331e+01, 1.5028e+00, 2.3578e+00],
[1.2369e+00, 6.3932e-04, 1.3767e-01],
[8.0670e-01, 1.2179e-04, 7.1328e-02],
[1.3766e+02, 8.9198e-01, 4.0554e+00],
[2.1159e+00, 2.6518e-04, 1.8139e-01],
[1.5180e+02, 2.3119e-01, 3.2960e+00],
[2.4980e+00, 1.0397e-03, 3.1264e-01],
[1.0619e+01, 8.5287e-03, 3.7789e-01],
[2.7979e+01, 4.0813e-01, 1.7606e+00],
[8.9362e+01, 2.2438e+00, 3.8839e+00],
[7.9977e+01, 7.9599e-01, 2.2018e+00],
[1.5648e+01, 2.3864e-01, 1.5555e+00],
[2.1118e+02, 6.8890e+00, 4.7931e+00],
[6.6263e+01, 3.8447e-01, 1.8644e+00],
[6.0327e-02, 2.2898e-06, 8.2157e-03],
[1.3859e+00, 1.2153e-04, 8.8900e-02],
[3.6745e+00, 1.4537e-02, 4.0532e-01],
[2.8918e-01, 1.3785e-05, 3.1852e-02],
[1.0985e+01, 4.9995e-02, 6.5289e-01],
[1.1568e+01, 8.7361e-02, 1.1074e+00],
[2.9279e-01, 1.7094e-05, 3.5953e-02],
[3.9434e-03, 8.9909e-09, 6.2794e-04],

```

[4.1987e+01, 5.0504e-02, 1.3703e+00],  
 [4.7743e+00, 8.5515e-03, 4.0786e-01],  
 [1.6294e+02, 9.4254e-01, 4.3735e+00],  
 [7.0405e-01, 8.0910e-06, 7.8407e-02],  
 [1.9159e+00, 1.8167e-03, 1.9174e-01],  
 [9.8615e+01, 2.5926e+00, 3.8456e+00],  
 [4.5613e-01, 5.0041e-05, 6.5861e-02],  
 [1.2449e+02, 3.9470e+00, 2.7362e+00],  
 [1.4664e+02, 2.6613e+00, 4.0955e+00],  
 [5.1384e+01, 4.0809e-01, 1.8236e+00],  
 [9.8116e+01, 9.4370e-01, 3.1417e+00],  
 [6.4248e+00, 4.5099e-03, 6.3589e-01],  
 [4.4937e+00, 4.7664e-04, 2.9183e-01],  
 [1.7759e+01, 4.8480e-02, 5.8077e-01],  
 [1.0018e+01, 3.7873e-03, 6.0466e-01],  
 [9.5365e+00, 2.1158e-02, 1.0867e+00],  
 [2.2914e+00, 1.7463e-03, 1.5978e-01],  
 [7.2937e+01, 4.9167e-01, 1.8199e+00],  
 [1.0438e+00, 8.9460e-05, 1.0341e-01],  
 [1.9846e-01, 2.2973e-05, 2.6856e-02],  
 [3.9192e-02, 1.0293e-07, 5.7503e-03],  
 [8.5633e-03, 9.8852e-09, 1.2939e-03],  
 [1.2435e+02, 8.5344e-01, 4.0280e+00],  
 [7.8590e+01, 3.4953e-01, 2.7303e+00],  
 [9.0042e-01, 3.0935e-04, 6.9954e-02],  
 [1.3205e-02, 1.3098e-07, 1.9960e-03],  
 [2.5441e+00, 2.4997e-03, 2.3344e-01],  
 [1.3023e+02, 4.5645e+00, 3.2302e+00],  
 [9.0449e+01, 2.6132e-01, 3.7654e+00],  
 [8.5060e-02, 1.0710e-06, 1.0808e-02],  
 [1.4617e-01, 1.5582e-05, 1.9877e-02],  
 [3.3318e+01, 1.5905e-01, 1.0160e+00],  
 [2.0695e+01, 8.8938e-02, 8.0345e-01],  
 [4.6777e+00, 2.1859e-03, 2.2337e-01],  
 [6.1256e+01, 6.8262e-01, 1.5389e+00],  
 [1.1824e+02, 2.4421e+00, 2.8492e+00],  
 [9.9616e-02, 1.6002e-06, 1.4862e-02],  
 [2.1914e+01, 1.8441e-01, 1.0272e+00],  
 [1.6117e+00, 3.0535e-03, 1.8217e-01],  
 [1.7519e-01, 1.2349e-05, 2.0847e-02],  
 [5.2464e-02, 2.1438e-06, 6.7984e-03],  
 [3.5759e+00, 1.0979e-02, 4.6051e-01],  
 [1.2748e+00, 5.9901e-04, 1.2171e-01],  
 [1.5994e-03, 1.4695e-09, 2.6017e-04],  
 [1.8644e-01, 2.9925e-05, 2.2165e-02],  
 [7.1140e+01, 1.9040e-01, 1.7811e+00],  
 [6.8656e-03, 1.7191e-08, 1.1080e-03],  
 [2.0926e-02, 6.0064e-08, 3.1083e-03],

[3.3914e-02, 3.2332e-07, 4.6828e-03],  
 [3.0084e+00, 7.6820e-04, 1.8898e-01],  
 [3.2850e+00, 4.1483e-03, 2.0709e-01],  
 [3.4964e-01, 5.9169e-06, 3.0194e-02],  
 [1.8290e-01, 1.1062e-05, 2.0184e-02],  
 [3.0601e+01, 2.2497e-01, 1.3708e+00],  
 [2.0587e+01, 1.1068e-02, 1.2099e+00],  
 [1.0873e-01, 1.2425e-06, 1.3233e-02],  
 [3.5958e+01, 4.3471e-01, 1.0234e+00],  
 [9.5143e-02, 1.0111e-06, 1.3649e-02],  
 [2.6233e+00, 2.1155e-03, 2.5352e-01],  
 [5.4336e-02, 4.1354e-07, 7.0995e-03],  
 [8.0532e-03, 1.7190e-08, 1.2704e-03],  
 [6.1410e+00, 1.2540e-03, 2.5671e-01],  
 [1.9498e+00, 6.5004e-04, 1.6343e-01],  
 [3.8127e+01, 1.3175e-01, 2.0435e+00],  
 [2.6687e+01, 1.8714e-01, 1.2447e+00],  
 [1.3345e+01, 6.1457e-02, 6.7569e-01],  
 [1.2036e-01, 1.8672e-06, 1.4662e-02],  
 [8.8364e-02, 7.0145e-07, 1.2325e-02],  
 [2.0127e-03, 1.3261e-09, 3.2479e-04],  
 [1.4643e+02, 3.3922e-01, 4.6424e+00],  
 [6.7837e+01, 6.7186e-01, 1.5004e+00],  
 [2.8006e+01, 1.3359e-01, 1.1302e+00],  
 [2.2038e+01, 5.1970e-02, 1.0583e+00],  
 [1.4315e+01, 7.0421e-03, 4.9375e-01],  
 [4.7985e+00, 6.1881e-03, 4.1989e-01],  
 [6.4169e+01, 6.7110e-01, 1.9876e+00],  
 [1.5671e+00, 2.7187e-04, 8.1786e-02],  
 [1.0078e+02, 1.1077e+00, 2.4409e+00],  
 [5.5155e-02, 3.0843e-07, 8.3383e-03],  
 [2.3961e-02, 4.4850e-07, 3.3523e-03],  
 [1.6536e+02, 4.4589e+00, 3.4359e+00],  
 [1.4369e+01, 3.7722e-03, 6.8020e-01],  
 [5.1841e-01, 1.7788e-05, 6.3946e-02],  
 [4.4256e+00, 1.2460e-03, 4.5714e-01],  
 [1.3805e+01, 1.8664e-02, 5.8504e-01],  
 [1.1648e+00, 1.5710e-04, 6.6480e-02],  
 [7.9737e-01, 1.2580e-04, 9.4799e-02],  
 [3.8324e-02, 8.4212e-07, 5.4464e-03],  
 [1.9393e+02, 3.8288e+00, 3.5192e+00],  
 [3.4675e-01, 1.9011e-05, 4.1808e-02],  
 [3.0954e+00, 1.2694e-03, 2.8050e-01],  
 [1.3297e+02, 4.9453e-02, 3.3068e+00],  
 [7.4090e+01, 1.1041e+00, 1.6130e+00],  
 [1.3165e+02, 2.8888e-01, 2.8243e+00],  
 [1.7468e+01, 2.0807e-02, 9.9832e-01],  
 [4.6070e-03, 4.2887e-09, 7.1369e-04],

[9.8566e+00, 2.1194e-02, 7.5828e-01],  
 [2.5041e-01, 5.0664e-05, 3.4053e-02],  
 [6.8152e-01, 5.7939e-05, 4.4984e-02],  
 [1.0602e+00, 1.7042e-04, 6.5494e-02],  
 [2.3140e-01, 5.3324e-06, 2.7983e-02],  
 [5.2254e-02, 1.6558e-06, 7.0149e-03],  
 [2.8995e+00, 2.6652e-03, 1.7556e-01],  
 [4.0938e-01, 9.4007e-06, 4.8448e-02],  
 [1.2034e+02, 1.4850e+00, 2.6533e+00],  
 [2.4167e+00, 1.8172e-03, 1.4479e-01],  
 [9.1664e+01, 2.3137e+00, 3.9551e+00],  
 [2.7698e-01, 2.1949e-05, 2.8037e-02],  
 [8.7004e-03, 7.6358e-08, 1.3837e-03],  
 [3.1170e-01, 6.4234e-05, 4.3950e-02],  
 [4.2839e-01, 4.9655e-05, 4.5821e-02],  
 [5.3857e-01, 3.1457e-05, 7.0146e-02],  
 [2.1303e+01, 7.5685e-02, 1.9659e+00],  
 [1.5518e-01, 1.1151e-06, 1.9508e-02],  
 [1.1496e-01, 1.7976e-05, 1.5959e-02],  
 [2.6320e-01, 1.5482e-06, 2.8838e-02],  
 [7.5056e-01, 1.0372e-04, 9.3419e-02],  
 [5.0383e-02, 2.3505e-06, 6.8244e-03],  
 [3.4408e+01, 3.7818e-01, 2.1093e+00],  
 [4.3703e+00, 5.8451e-04, 2.0696e-01],  
 [1.5060e+00, 3.3477e-04, 1.4555e-01],  
 [6.2450e+00, 5.9782e-03, 3.2503e-01],  
 [5.0352e-03, 1.9746e-08, 7.7710e-04],  
 [1.9034e+01, 6.6013e-02, 1.6179e+00],  
 [5.5670e-01, 1.3994e-05, 4.6362e-02],  
 [1.2943e+00, 1.5469e-04, 8.4151e-02],  
 [3.9529e-02, 1.4038e-07, 5.4016e-03],  
 [3.5151e-03, 1.7596e-09, 5.6685e-04],  
 [3.7145e-01, 4.7979e-05, 4.3578e-02],  
 [1.3476e-02, 1.5122e-08, 2.0306e-03],  
 [4.5738e+00, 5.5420e-03, 3.4023e-01],  
 [1.7514e+02, 2.3392e+00, 4.8454e+00],  
 [8.5767e+00, 8.9673e-04, 5.0020e-01],  
 [2.3022e+01, 1.4471e-01, 1.2746e+00],  
 [1.4969e+00, 3.0931e-04, 1.6760e-01],  
 [1.7004e+01, 2.2888e-02, 8.9871e-01],  
 [1.8342e+00, 5.7747e-05, 1.1992e-01],  
 [2.5686e-01, 2.4515e-05, 2.8395e-02],  
 [1.7946e+02, 3.1593e+00, 3.2237e+00],  
 [7.1623e-01, 1.8236e-04, 7.0680e-02],  
 [5.4162e-01, 3.1762e-04, 7.1549e-02],  
 [6.8579e+01, 1.2386e+00, 2.0847e+00],  
 [5.3334e+00, 2.3275e-02, 4.8184e-01],  
 [7.1575e-01, 3.0640e-05, 5.0517e-02],



[2.5621e+00, 2.1699e-03, 2.8260e-01],  
 [2.4200e+00, 2.8538e-03, 2.4120e-01],  
 [3.9020e+01, 7.7500e-02, 1.5675e+00],  
 [1.6155e-01, 8.1151e-06, 1.7860e-02],  
 [3.5313e-01, 3.4163e-05, 3.3414e-02],  
 [7.2830e+01, 9.0074e-01, 3.3835e+00],  
 [1.3658e-01, 8.7025e-06, 1.4886e-02],  
 [3.4388e-01, 4.2818e-05, 3.4832e-02],  
 [4.8622e+01, 3.0464e-01, 1.8601e+00],  
 [5.2665e-02, 3.9998e-06, 7.6428e-03],  
 [1.4214e-01, 1.1504e-05, 1.6289e-02],  
 [1.0057e+01, 4.3708e-02, 7.4977e-01],  
 [1.1391e-02, 2.7482e-08, 1.8009e-03],  
 [4.2559e+01, 3.7522e-02, 2.0343e+00],  
 [3.6489e+01, 2.4623e-01, 1.0797e+00],  
 [5.9206e+01, 7.0504e-01, 1.8272e+00],  
 [4.8853e+00, 2.1623e-03, 4.1351e-01],  
 [1.0685e+00, 3.1680e-05, 1.0445e-01],  
 [1.3115e+02, 3.9621e+00, 3.3638e+00],  
 [1.3260e+01, 5.2145e-03, 5.3015e-01],  
 [1.2887e+01, 3.7309e-03, 5.1944e-01],  
 [3.6914e-02, 1.0987e-06, 5.6692e-03],  
 [3.3976e+00, 2.3798e-03, 2.3990e-01],  
 [2.6604e-01, 4.0019e-05, 3.0564e-02],  
 [9.4201e+01, 1.3033e+00, 3.0590e+00],  
 [1.1634e+02, 1.8764e+00, 2.2934e+00],  
 [1.9926e+01, 4.6853e-02, 9.4799e-01],  
 [1.6936e+00, 9.7495e-04, 1.7511e-01],  
 [2.7352e+00, 1.2465e-03, 2.5517e-01],  
 [1.8306e+02, 4.6619e+00, 4.6728e+00],  
 [1.4353e+00, 2.2153e-04, 8.3508e-02],  
 [1.6321e+00, 6.0733e-04, 1.2641e-01],  
 [2.8517e+00, 6.1513e-05, 2.1701e-01],  
 [1.4015e+02, 1.4638e+00, 4.3985e+00],  
 [1.4446e+01, 4.7755e-03, 4.9296e-01],  
 [5.1472e-01, 1.5833e-04, 5.3919e-02],  
 [2.2918e-02, 7.7204e-07, 3.3396e-03],  
 [1.3736e+00, 1.1789e-03, 1.5431e-01],  
 [3.6793e-03, 3.7554e-09, 5.8666e-04],  
 [9.6492e+00, 3.9907e-02, 5.2604e-01],  
 [1.2208e+02, 1.4661e+00, 2.8861e+00],  
 [1.3531e+00, 4.6633e-04, 1.1686e-01],  
 [2.4314e+01, 5.8516e-02, 7.9977e-01],  
 [2.8290e+00, 6.9525e-03, 2.6409e-01],  
 [2.1026e-01, 8.4385e-06, 2.7011e-02],  
 [2.8576e+01, 3.4506e-01, 1.5412e+00],  
 [7.0358e+01, 4.9608e-01, 2.6513e+00],  
 [2.8134e+01, 3.6079e-02, 9.4991e-01],

[2.7505e-01, 4.7771e-05, 3.0621e-02],  
 [2.1270e+01, 1.2497e-01, 7.8853e-01],  
 [8.9685e+00, 4.6826e-03, 3.1322e-01],  
 [1.2718e+01, 2.7852e-02, 6.2527e-01],  
 [1.2682e+02, 1.9257e+00, 2.7298e+00],  
 [4.7089e+01, 6.7938e-01, 1.2331e+00],  
 [9.3244e-01, 2.3412e-04, 8.2885e-02],  
 [2.7595e+00, 9.7217e-04, 2.2859e-01],  
 [1.1033e+02, 1.2188e+00, 2.4911e+00],  
 [3.6576e+00, 1.0466e-03, 2.3288e-01],  
 [5.8214e-01, 1.1045e-04, 6.4613e-02],  
 [3.1097e+00, 1.5201e-03, 1.7257e-01],  
 [3.9319e+01, 2.7462e-01, 1.4919e+00],  
 [2.1728e+01, 1.5846e-02, 6.5775e-01],  
 [1.1853e-01, 8.3833e-06, 1.7020e-02],  
 [3.6405e-01, 6.5629e-05, 3.7499e-02],  
 [2.2567e+01, 2.9538e-02, 1.1351e+00],  
 [3.0221e+01, 7.8452e-02, 9.1957e-01],  
 [2.7564e+00, 9.6891e-04, 2.0674e-01],  
 [6.8720e-01, 1.8486e-04, 6.2733e-02],  
 [6.3495e-01, 1.1672e-04, 5.4903e-02],  
 [1.8382e+02, 5.5557e+00, 3.7619e+00],  
 [3.8530e-01, 2.3118e-05, 3.3037e-02],  
 [6.5360e+01, 1.1423e+00, 2.4668e+00],  
 [3.0071e+00, 1.2791e-04, 1.4843e-01],  
 [4.0188e+01, 3.5951e-01, 1.2644e+00],  
 [2.3135e+01, 2.4498e-02, 6.2219e-01],  
 [2.3597e+01, 1.8406e-01, 9.2336e-01],  
 [1.9558e+01, 8.3868e-02, 6.2549e-01],  
 [7.9988e+00, 2.8280e-02, 4.7663e-01],  
 [5.2941e-01, 5.3507e-05, 7.7382e-02],  
 [1.5021e-01, 3.7907e-05, 2.1360e-02],  
 [6.9433e-01, 1.0227e-04, 7.1800e-02],  
 [2.6194e-02, 6.8148e-07, 3.7280e-03],  
 [9.4135e+00, 1.0559e-02, 4.3195e-01],  
 [8.9352e+01, 5.2041e-01, 2.8018e+00],  
 [6.1739e+01, 1.2644e+00, 2.1823e+00],  
 [1.0740e-01, 5.6968e-06, 1.3694e-02],  
 [5.1242e+00, 4.5229e-03, 4.2170e-01],  
 [2.1562e+01, 3.3414e-02, 6.1030e-01],  
 [2.0441e+02, 3.9524e+00, 4.9754e+00],  
 [4.1873e-01, 5.7475e-05, 5.5320e-02],  
 [1.5805e+02, 1.7225e+00, 4.3163e+00],  
 [2.1345e+02, 9.0180e+00, 3.9175e+00],  
 [9.7921e-02, 3.8549e-06, 1.1264e-02],  
 [1.3402e+00, 1.1249e-04, 1.2208e-01],  
 [1.9086e+02, 1.2316e+00, 4.8993e+00],  
 [1.3725e+00, 2.4092e-04, 7.5962e-02],

[3.9208e+01, 5.2388e-02, 1.3189e+00],  
 [7.9202e+00, 1.2734e-03, 2.7552e-01],  
 [3.4122e+01, 1.2276e-01, 9.0255e-01],  
 [1.4787e+01, 2.1520e-02, 5.1486e-01],  
 [2.5289e-01, 9.6329e-06, 3.4348e-02],  
 [4.4011e+00, 5.1513e-03, 2.4004e-01],  
 [1.8919e+01, 1.7403e-01, 1.0834e+00],  
 [9.9904e-03, 1.2103e-07, 1.4948e-03],  
 [3.9144e+00, 1.1721e-02, 3.3362e-01],  
 [2.1868e-02, 4.9148e-07, 3.1506e-03],  
 [5.2515e+01, 3.8025e-01, 2.1419e+00],  
 [9.1787e-02, 8.4413e-07, 1.0973e-02],  
 [1.3550e+02, 1.6205e+00, 2.9032e+00],  
 [3.7906e-01, 2.9710e-05, 3.9385e-02],  
 [1.2477e+01, 3.9468e-02, 1.0936e+00],  
 [2.6153e+00, 9.3040e-04, 2.9790e-01],  
 [8.3817e+00, 1.8516e-02, 3.7225e-01],  
 [3.0147e-01, 2.2812e-05, 3.5092e-02],  
 [1.8792e+00, 1.1066e-03, 1.5758e-01],  
 [2.6652e+00, 2.2154e-03, 1.7039e-01],  
 [1.0658e+01, 4.9416e-03, 3.8562e-01],  
 [4.5820e+00, 9.3875e-03, 4.1279e-01],  
 [1.2308e+02, 1.7954e+00, 2.4935e+00],  
 [4.0452e-01, 6.9421e-05, 3.7313e-02],  
 [7.0140e-03, 3.7069e-08, 1.0676e-03],  
 [6.1116e+01, 4.2961e-01, 1.8883e+00],  
 [1.5465e+02, 3.0414e-01, 3.2163e+00],  
 [1.6921e+02, 6.6695e+00, 4.2078e+00],  
 [1.5102e-01, 1.2201e-06, 1.9113e-02],  
 [4.2675e+00, 3.2295e-03, 2.9415e-01],  
 [9.9867e+01, 1.5099e+00, 3.2219e+00],  
 [3.4500e-01, 7.3237e-06, 3.0827e-02],  
 [4.4212e-01, 5.9010e-05, 5.2212e-02],  
 [4.1294e+00, 9.9124e-03, 3.4451e-01],  
 [3.0291e-02, 9.7877e-07, 4.4750e-03],  
 [5.3643e-03, 2.9009e-08, 8.4553e-04],  
 [6.0495e-02, 2.8319e-06, 8.5114e-03],  
 [5.2314e-01, 6.8026e-05, 4.4582e-02],  
 [1.9659e-02, 1.5121e-07, 2.9573e-03],  
 [2.0706e+01, 1.2021e-01, 7.6340e-01],  
 [7.5654e+00, 8.0478e-03, 3.9168e-01],  
 [3.7280e-02, 2.7249e-07, 5.2730e-03],  
 [2.1060e-01, 2.5178e-05, 2.1106e-02],  
 [1.4789e+02, 2.6782e+00, 3.8864e+00],  
 [2.0892e-02, 7.6626e-08, 3.1733e-03],  
 [9.3811e+00, 2.0200e-02, 7.9095e-01],  
 [2.0094e+00, 1.3701e-04, 2.0828e-01],  
 [1.1288e+00, 7.7346e-05, 1.0337e-01],

```

[7.3140e+00, 1.6331e-02, 3.6807e-01],
[1.1985e+00, 3.5080e-04, 8.3643e-02],
[1.8582e+02, 5.6121e+00, 3.6578e+00],
[2.4011e-01, 2.3945e-05, 3.2833e-02]], dtype=torch.float64)
Iteration: 45
Inputs: tensor([[1.1538e+19, 4.0117e+02, 1.5278e+00, 5.5448e+00],
[4.3368e+20, 4.1859e+02, 1.2380e+01, 7.7966e+00],
[2.1062e+18, 3.1134e+02, 9.1509e+00, 3.5467e+00],
...,
[4.8277e+20, 4.4235e+01, 4.5627e+00, 6.5591e+00],
[7.6330e+20, 7.3324e+01, 1.8376e+01, 5.6728e+00],
[4.4005e+20, 4.3249e+01, 7.9388e+00, 1.9374e+00]], dtype=torch.float64)
Target: tensor([[9.8330e+00, 4.0598e-03, 3.4460e-01],
[1.3810e+02, 3.2916e+00, 3.2365e+00],
[2.1011e-01, 6.7429e-06, 2.3556e-02],
[1.2231e+02, 2.0030e+00, 3.5308e+00],
[6.5902e+00, 3.6215e-03, 3.9270e-01],
[1.0352e+02, 2.3261e+00, 2.8284e+00],
[1.4710e+00, 7.4817e-04, 1.3111e-01],
[5.2826e+01, 6.2649e-01, 1.5708e+00],
[3.0331e+01, 4.2342e-02, 1.1467e+00],
[1.2035e+00, 2.7290e-04, 6.8362e-02],
[2.3923e-02, 2.5924e-07, 3.6616e-03],
[1.7635e+00, 7.1211e-04, 1.3312e-01],
[4.7224e-01, 5.1493e-05, 4.8350e-02],
[1.9378e+01, 1.6244e-02, 7.5680e-01],
[1.3129e+01, 3.2788e-02, 6.4094e-01],
[1.6071e+00, 1.3281e-04, 1.1277e-01],
[3.8725e+00, 9.7978e-04, 3.1760e-01],
[1.1615e-01, 2.7782e-06, 1.7465e-02],
[2.8491e+01, 9.0075e-02, 1.2368e+00],
[1.1407e+00, 5.3179e-04, 1.3661e-01],
[6.2197e+00, 9.5481e-03, 3.8967e-01],
[7.3197e+00, 1.2334e-02, 4.7212e-01],
[2.3096e+02, 4.8835e+00, 4.9587e+00],
[1.3279e-02, 2.0573e-07, 1.9675e-03],
[1.3734e+01, 2.8925e-02, 5.4060e-01],
[1.4832e+01, 1.6545e-02, 4.5423e-01],
[6.6906e-01, 4.4489e-05, 5.9419e-02],
[8.0474e+01, 8.0941e-02, 3.3007e+00],
[4.9303e+00, 6.3763e-03, 2.6121e-01],
[3.9447e+00, 3.7131e-03, 3.7052e-01],
[5.2678e+00, 4.4404e-03, 6.0748e-01],
[2.8270e+01, 2.3708e-02, 7.4026e-01],
[6.5648e-02, 1.1931e-06, 8.3748e-03],
[5.0173e+01, 1.1592e-01, 2.9408e+00],
[8.4975e+01, 1.9589e+00, 2.5685e+00],
[2.1877e+01, 2.0076e-01, 1.0692e+00],

```

[4.9712e+01, 2.5679e-01, 2.3021e+00],  
 [8.2973e+00, 3.7731e-03, 3.5846e-01],  
 [4.9199e-01, 7.8134e-05, 4.1401e-02],  
 [2.5875e+02, 1.3663e+01, 5.0027e+00],  
 [8.5586e+00, 6.6680e-03, 3.6764e-01],  
 [3.3432e+01, 1.0839e-01, 1.1724e+00],  
 [5.6402e-02, 2.7075e-06, 8.4807e-03],  
 [2.3983e-01, 4.2413e-06, 2.6805e-02],  
 [3.4045e+01, 2.0318e-01, 1.6071e+00],  
 [5.2382e+01, 3.4241e-01, 2.3038e+00],  
 [6.1453e+00, 2.3778e-02, 6.2808e-01],  
 [6.1850e+00, 1.5594e-02, 5.3881e-01],  
 [9.5851e-01, 6.7156e-05, 9.3949e-02],  
 [9.5318e+01, 2.5646e-01, 2.5829e+00],  
 [5.5803e+01, 7.9588e-01, 1.7287e+00],  
 [1.1844e-02, 3.4004e-08, 1.8113e-03],  
 [1.1585e+01, 5.3381e-02, 8.4128e-01],  
 [1.0160e+02, 2.4790e+00, 2.7307e+00],  
 [1.1987e+00, 6.3569e-05, 1.2506e-01],  
 [7.5873e+01, 8.7196e-01, 2.5295e+00],  
 [6.2648e-01, 2.9885e-05, 6.4119e-02],  
 [6.9049e+01, 7.2969e-01, 2.2298e+00],  
 [2.3739e+01, 3.4072e-02, 9.3922e-01],  
 [9.3787e+01, 1.6109e+00, 2.6205e+00],  
 [7.8196e-02, 2.8972e-06, 1.2101e-02],  
 [7.3241e+01, 8.1816e-01, 2.0409e+00],  
 [6.2714e-02, 1.8298e-06, 7.8250e-03],  
 [3.5671e+00, 1.9567e-02, 4.5031e-01],  
 [2.7695e+00, 7.7329e-04, 1.5128e-01],  
 [9.9436e+01, 1.5739e+00, 2.0299e+00],  
 [1.5646e-01, 5.4337e-06, 2.1626e-02],  
 [2.1766e+01, 1.1176e-01, 7.6402e-01],  
 [1.8287e+01, 1.2141e-02, 1.2196e+00],  
 [2.2959e+00, 1.2347e-03, 1.4750e-01],  
 [2.0270e+01, 3.9813e-02, 1.0048e+00],  
 [7.1851e-01, 2.0164e-05, 4.3347e-02],  
 [9.5606e+01, 1.6821e+00, 3.0831e+00],  
 [2.5921e+02, 7.9852e-01, 4.5761e+00],  
 [4.5892e+01, 1.6767e-01, 2.3767e+00],  
 [5.3998e+01, 8.9474e-01, 1.9757e+00],  
 [1.4930e+02, 1.2536e+00, 2.8951e+00],  
 [1.0059e+02, 1.1001e+00, 2.5995e+00],  
 [9.7415e+01, 2.7505e+00, 2.7516e+00],  
 [1.8780e+02, 5.2305e+00, 4.8153e+00],  
 [1.2859e+01, 2.2553e-02, 4.2155e-01],  
 [1.5403e+01, 1.5234e-02, 1.0727e+00],  
 [2.7532e+00, 1.9635e-03, 2.4039e-01],  
 [1.5899e+01, 8.6636e-02, 7.6665e-01],

[3.7539e-01, 4.0853e-05, 3.5389e-02],  
 [2.4685e+00, 1.1023e-03, 2.2345e-01],  
 [8.4408e-03, 1.2148e-07, 1.3323e-03],  
 [2.2039e-01, 1.5663e-05, 2.8704e-02],  
 [2.0348e+01, 2.2292e-01, 1.2311e+00],  
 [6.3649e+01, 5.1894e-01, 1.7200e+00],  
 [7.5669e+01, 5.2742e-01, 1.7680e+00],  
 [1.6127e+00, 6.3303e-05, 1.3375e-01],  
 [1.9548e+00, 1.4895e-03, 1.5724e-01],  
 [4.3859e+01, 5.4910e-02, 1.4855e+00],  
 [8.1985e-01, 2.8215e-04, 8.7842e-02],  
 [2.3988e+01, 5.2731e-02, 6.3754e-01],  
 [1.4563e+02, 2.4782e+00, 3.5060e+00],  
 [7.7491e+00, 9.6508e-03, 3.9510e-01],  
 [4.1143e+01, 2.4891e-01, 2.9699e+00],  
 [2.0303e+00, 9.0798e-04, 1.9774e-01],  
 [4.2750e+01, 1.2129e-01, 1.0484e+00],  
 [8.7769e+01, 9.4817e-01, 1.6854e+00],  
 [9.5857e+00, 1.2078e-02, 3.8706e-01],  
 [7.4541e-01, 2.9873e-05, 6.2128e-02],  
 [1.7082e+02, 2.8784e+00, 3.5364e+00],  
 [8.7000e+01, 4.9513e-01, 2.7980e+00],  
 [2.7181e+01, 1.6715e-01, 8.7066e-01],  
 [1.4332e+00, 8.2772e-04, 1.1036e-01],  
 [3.5433e+01, 2.5485e-01, 1.2124e+00],  
 [2.1416e+00, 3.3152e-04, 2.1544e-01],  
 [9.1338e-02, 1.2584e-06, 1.3308e-02],  
 [5.4189e-02, 1.0882e-06, 6.9772e-03],  
 [6.2958e+00, 3.9586e-03, 6.4805e-01],  
 [2.0386e-01, 1.5390e-05, 2.5250e-02],  
 [5.8937e+01, 3.6087e-01, 2.9532e+00],  
 [5.7989e+00, 9.2292e-03, 2.9289e-01],  
 [4.3013e+01, 1.0623e-01, 2.6677e+00],  
 [1.2926e+01, 2.7648e-02, 5.4298e-01],  
 [4.7584e+01, 9.1889e-01, 2.7774e+00],  
 [1.5768e+01, 3.1403e-02, 1.0517e+00],  
 [3.7659e+00, 2.6885e-03, 3.0615e-01],  
 [3.2148e-01, 3.5798e-05, 3.3666e-02],  
 [3.3861e+01, 1.9128e-02, 1.0536e+00],  
 [1.1857e+00, 1.4027e-04, 7.5605e-02],  
 [3.9827e-02, 1.1361e-06, 5.3279e-03],  
 [2.0151e-03, 4.0552e-09, 3.2117e-04],  
 [1.6804e+02, 3.1452e-01, 3.4539e+00],  
 [8.5749e+00, 1.4009e-03, 5.5152e-01],  
 [6.7656e+00, 1.0777e-02, 2.9674e-01],  
 [1.7532e+00, 4.6438e-04, 1.3918e-01],  
 [7.4705e+00, 2.4786e-02, 4.1517e-01],  
 [6.0382e-01, 7.4552e-05, 5.4647e-02],

[5.7565e+01, 9.2112e-01, 2.9974e+00],  
 [2.3246e+00, 1.2444e-03, 2.7058e-01],  
 [2.6809e+00, 1.4737e-03, 3.0949e-01],  
 [1.2221e+01, 2.9027e-02, 5.9453e-01],  
 [4.1910e+01, 5.1316e-02, 1.1162e+00],  
 [3.1872e+01, 1.0777e-01, 2.3706e+00],  
 [2.2143e+01, 4.3985e-02, 1.6863e+00],  
 [1.5161e+01, 1.9328e-02, 5.8315e-01],  
 [1.0202e+01, 9.5797e-03, 8.5807e-01],  
 [2.6759e-01, 3.8786e-05, 3.1819e-02],  
 [2.6659e-01, 5.4342e-06, 3.0805e-02],  
 [4.6378e-02, 1.9207e-06, 6.1453e-03],  
 [1.1208e+01, 5.5425e-03, 5.1733e-01],  
 [4.4745e+00, 5.3524e-03, 3.0603e-01],  
 [3.8947e-01, 1.0002e-05, 3.3702e-02],  
 [7.2292e-01, 9.8653e-05, 5.4428e-02],  
 [3.8216e+00, 1.1231e-03, 2.0131e-01],  
 [1.3048e+00, 3.1433e-04, 1.7638e-01],  
 [6.6172e+01, 3.0493e-02, 2.8233e+00],  
 [1.4507e+01, 3.8346e-02, 1.3547e+00],  
 [5.6033e+00, 2.6315e-04, 3.9652e-01],  
 [4.2545e-02, 6.0225e-07, 6.4350e-03],  
 [9.7797e+00, 7.0500e-03, 6.3031e-01],  
 [3.8664e+01, 9.5554e-02, 1.7316e+00],  
 [4.1814e+01, 2.8721e-01, 1.0185e+00],  
 [9.9391e+01, 1.2668e-01, 2.5846e+00],  
 [1.8442e-01, 2.2297e-05, 2.6457e-02],  
 [2.1687e+01, 4.2440e-02, 1.3695e+00],  
 [1.8296e+00, 1.5163e-03, 1.3861e-01],  
 [1.6322e+00, 1.1494e-03, 1.8709e-01],  
 [7.7564e+00, 7.1826e-03, 4.2529e-01],  
 [2.9304e+01, 7.2207e-02, 1.4916e+00],  
 [6.9980e+01, 3.4257e-01, 2.4744e+00],  
 [1.7008e+01, 9.0893e-02, 1.2869e+00],  
 [5.0960e+01, 8.2915e-03, 1.0318e+00],  
 [2.4224e-01, 4.3565e-05, 2.4951e-02],  
 [3.2278e+00, 2.1874e-03, 3.7086e-01],  
 [7.3495e-02, 5.4061e-06, 1.0873e-02],  
 [3.9782e+00, 1.0404e-02, 4.0590e-01],  
 [1.0136e-01, 4.6899e-06, 1.2647e-02],  
 [2.3063e-01, 1.3711e-05, 2.4738e-02],  
 [8.6122e-02, 1.5703e-06, 1.2167e-02],  
 [1.7754e+01, 8.2456e-02, 1.2228e+00],  
 [5.8444e+01, 2.3773e-01, 1.9338e+00],  
 [2.4196e+00, 1.9757e-03, 1.7298e-01],  
 [4.4924e+00, 6.7295e-03, 3.5264e-01],  
 [4.8489e+00, 7.6046e-03, 3.0384e-01],  
 [1.0235e-01, 6.9436e-06, 1.4754e-02],

[5.1933e+00, 6.6611e-04, 4.6233e-01],  
 [8.6761e+01, 4.2222e-01, 1.7035e+00],  
 [2.4842e+01, 9.9166e-02, 1.2782e+00],  
 [9.9351e+01, 4.6003e-01, 2.7719e+00],  
 [1.6264e+01, 4.2542e-02, 6.7852e-01],  
 [5.8915e+00, 2.1527e-03, 5.7628e-01],  
 [3.2650e-02, 1.9304e-07, 4.6097e-03],  
 [8.0798e+01, 1.7636e+00, 3.4549e+00],  
 [3.6791e+01, 2.5543e-02, 1.3270e+00],  
 [3.9683e-02, 2.0490e-06, 5.8357e-03],  
 [5.3517e-01, 1.1361e-04, 4.9607e-02],  
 [1.3455e+01, 7.8949e-02, 1.3849e+00],  
 [2.0625e-02, 1.6498e-08, 3.1979e-03],  
 [4.5618e+01, 4.3069e-01, 1.5737e+00],  
 [6.2628e+01, 6.3107e-01, 3.2365e+00],  
 [4.4604e-02, 1.9767e-07, 6.2599e-03],  
 [5.0766e-02, 1.2027e-07, 6.8901e-03],  
 [2.4344e+01, 1.6021e-02, 9.1209e-01],  
 [8.1370e-01, 1.0251e-04, 7.3231e-02],  
 [8.4646e-01, 1.2068e-04, 1.0090e-01],  
 [9.6431e+01, 2.0215e+00, 2.7181e+00],  
 [1.2901e+01, 1.0504e-02, 5.2593e-01],  
 [2.6223e+01, 8.5443e-02, 1.4267e+00],  
 [1.7110e-01, 1.0739e-06, 1.9700e-02],  
 [6.7162e-04, 1.1062e-10, 1.0980e-04],  
 [1.5917e-03, 9.8346e-10, 2.5580e-04],  
 [6.6681e+01, 1.0573e+00, 2.2252e+00],  
 [1.3742e+01, 4.6420e-02, 6.0501e-01],  
 [7.5947e+01, 8.0599e-01, 1.7197e+00],  
 [3.3303e+00, 4.6697e-03, 3.0720e-01],  
 [1.2641e+01, 6.2072e-02, 6.9967e-01],  
 [1.7159e+01, 1.3602e-01, 1.6179e+00],  
 [9.7943e+01, 8.9242e-01, 3.1226e+00],  
 [1.1340e-01, 5.5728e-06, 1.3530e-02],  
 [7.5256e+00, 2.9115e-03, 3.1385e-01],  
 [3.1044e+01, 9.5195e-02, 7.1170e-01],  
 [1.0115e+00, 1.6007e-04, 6.7418e-02],  
 [4.2448e+01, 8.7282e-02, 1.3392e+00],  
 [4.7697e+00, 4.2778e-03, 2.5275e-01],  
 [7.6953e+01, 3.4584e-01, 3.2385e+00],  
 [3.0813e+01, 1.3766e-01, 1.4231e+00],  
 [3.7349e+00, 1.6340e-03, 3.3318e-01],  
 [3.5475e+00, 1.6438e-03, 1.8930e-01],  
 [2.4638e+01, 2.0383e-01, 1.6956e+00],  
 [2.0421e+02, 9.9977e+00, 4.3945e+00],  
 [2.1970e+01, 1.3983e-01, 8.9336e-01],  
 [9.8174e-01, 2.9902e-04, 1.3038e-01],  
 [1.1113e+01, 2.9336e-02, 9.5559e-01],



[6.8003e-01, 6.9546e-05, 5.1391e-02],  
 [4.8429e-01, 8.7894e-05, 5.3152e-02],  
 [2.7335e-01, 1.0791e-05, 2.7562e-02],  
 [3.0455e+01, 1.6307e-01, 1.6270e+00],  
 [2.8580e+01, 1.8109e-02, 1.3441e+00],  
 [2.9655e+01, 1.5028e-01, 8.9404e-01],  
 [7.7988e-01, 9.9709e-05, 9.1791e-02],  
 [7.8328e+01, 3.9543e-01, 1.5967e+00],  
 [8.6166e-02, 1.2905e-06, 1.1807e-02],  
 [3.1467e+01, 7.4423e-02, 2.1532e+00],  
 [1.4674e+00, 1.7258e-04, 1.0725e-01],  
 [4.0681e-01, 1.4177e-05, 5.2257e-02],  
 [1.3446e-01, 1.7940e-05, 1.7719e-02],  
 [2.3502e-01, 6.2766e-06, 3.3141e-02],  
 [3.9974e+00, 1.5951e-03, 2.3648e-01],  
 [1.2491e+01, 4.4339e-02, 1.3103e+00],  
 [1.2413e-03, 2.0326e-10, 1.9950e-04],  
 [6.6181e+01, 4.1814e-01, 2.9532e+00],  
 [1.0748e+00, 1.0168e-04, 7.8596e-02],  
 [5.2879e+00, 8.8928e-04, 2.5291e-01],  
 [8.4489e-03, 1.3101e-08, 1.2866e-03],  
 [2.0345e+00, 8.2523e-04, 2.7352e-01],  
 [1.9909e+01, 4.0496e-02, 1.4425e+00],  
 [3.2404e+01, 2.4452e-01, 2.3112e+00],  
 [2.0346e+01, 4.3503e-02, 6.5417e-01],  
 [1.3430e+01, 1.1232e-01, 1.3603e+00],  
 [1.1174e+01, 3.1276e-02, 4.8150e-01],  
 [3.1793e+01, 2.8018e-01, 1.3591e+00],  
 [7.0399e+01, 4.4117e-01, 2.3518e+00],  
 [2.4204e+00, 1.7664e-03, 1.6843e-01],  
 [2.2131e+01, 6.4479e-02, 8.4774e-01],  
 [1.2407e+00, 1.2310e-04, 1.0446e-01],  
 [1.5291e+02, 2.5484e+00, 2.6678e+00],  
 [2.4314e+00, 1.0480e-03, 1.4162e-01],  
 [1.6993e+02, 8.2930e+00, 3.8276e+00],  
 [8.1494e+00, 2.7659e-03, 4.2705e-01],  
 [3.0296e+01, 3.5691e-01, 1.0039e+00],  
 [1.2596e+00, 8.9479e-05, 9.7004e-02],  
 [2.1397e+00, 8.2472e-04, 1.7774e-01],  
 [7.6416e+00, 5.1576e-03, 2.7768e-01],  
 [1.4121e+02, 1.0229e+00, 2.4410e+00],  
 [3.4458e-01, 7.0708e-06, 3.4212e-02],  
 [9.6745e+01, 2.6001e+00, 3.1146e+00],  
 [1.6112e+00, 1.0835e-03, 1.8333e-01],  
 [2.0860e+00, 7.2437e-04, 1.3973e-01],  
 [4.9913e+01, 1.7911e-01, 1.7659e+00],  
 [4.0199e+01, 2.7633e-01, 1.6241e+00],  
 [1.0518e+00, 3.6764e-04, 7.4781e-02],

```

[4.3610e+00, 9.4495e-05, 2.3033e-01],
[1.2179e+02, 5.0116e-01, 2.9280e+00],
[5.0832e+00, 1.2986e-03, 2.2753e-01],
[1.9746e+01, 1.7767e-01, 1.2110e+00],
[2.1416e+02, 2.1066e+00, 3.3464e+00],
[2.2226e+00, 1.8869e-03, 2.8836e-01],
[1.8946e+01, 3.7260e-02, 1.2253e+00],
[5.7293e-03, 1.8811e-08, 9.1437e-04],
[1.7422e-01, 9.6783e-06, 1.8628e-02],
[1.2193e+00, 4.7357e-04, 1.3223e-01],
[9.5303e-01, 1.2335e-03, 1.3451e-01],
[1.2596e-01, 1.4708e-05, 1.7834e-02],
[9.5906e-02, 3.6763e-06, 1.2772e-02],
[9.9775e+01, 2.8907e-01, 2.5889e+00],
[3.7742e+01, 2.7128e-01, 1.1055e+00],
[4.7417e+01, 2.6718e-01, 1.5821e+00],
[3.0485e-03, 1.5855e-08, 4.8862e-04],
[2.0304e+00, 7.5705e-04, 1.4995e-01],
[1.3514e-01, 1.0178e-05, 1.5314e-02],
[9.7024e+01, 1.0984e+00, 1.6873e+00],
[1.4722e-01, 1.0789e-05, 1.8078e-02],
[5.8773e+01, 8.9405e-01, 2.6480e+00],
[1.3473e+01, 6.4901e-02, 1.0666e+00],
[1.2485e+00, 5.2707e-05, 6.5630e-02],
[5.6338e-01, 7.5360e-05, 3.8794e-02],
[2.4893e-01, 5.2885e-06, 3.1612e-02],
[6.3990e-01, 2.1707e-04, 8.0667e-02],
[5.6010e+00, 3.0648e-02, 4.7036e-01],
[3.5494e-01, 3.7347e-05, 4.5607e-02],
[5.5904e+01, 7.0793e-01, 1.6995e+00],
[3.8916e+01, 1.3040e-01, 1.5841e+00],
[1.3837e+01, 6.4206e-02, 6.7269e-01],
[2.8254e+01, 8.3590e-02, 1.2910e+00],
[1.5433e+02, 3.6786e+00, 3.8753e+00],
[4.2549e+00, 4.9586e-03, 2.4356e-01],
[5.2322e+01, 1.8532e-01, 2.9304e+00],
[1.2633e-02, 5.5743e-08, 1.9592e-03],
[1.3927e+02, 1.4057e+00, 4.6876e+00],
[2.0590e+01, 1.0745e-01, 1.1570e+00],
[1.7718e+01, 1.2608e-02, 1.1306e+00],
[3.3500e+01, 3.4204e-01, 2.5785e+00],
[2.9537e+01, 1.6176e-01, 2.0808e+00],
[2.6080e+01, 2.7963e-01, 2.1515e+00],
[5.0708e+00, 2.7942e-03, 6.0399e-01]], dtype=torch.float64)

```

Iteration: 46

```

Inputs: tensor([[9.9923e+19, 1.1538e+02, 7.2160e+00, 9.6375e+00],
                [3.4439e+20, 4.1748e+02, 1.4514e+01, 3.1708e+00],
                [1.7821e+20, 4.2263e+02, 1.2279e+01, 8.0578e+00],

```

```

...,
[2.6546e+20, 4.4804e+02, 2.0109e+00, 7.9579e+00],
[6.1627e+20, 4.0126e+02, 1.7603e+01, 4.5696e+00],
[3.7912e+18, 1.8890e+02, 1.1190e+01, 6.3395e+00]], dtype=torch.float64)
Target: tensor([[2.3429e+01, 1.6837e-01, 1.1587e+00],
[6.8366e+01, 3.6373e-01, 2.5837e+00],
[7.6395e+01, 1.1296e+00, 1.9691e+00],
[1.6742e+02, 3.1092e+00, 3.1292e+00],
[6.0595e+01, 1.4036e-01, 1.7666e+00],
[9.9558e-02, 8.2199e-08, 1.1985e-02],
[2.3043e+01, 1.3411e-01, 1.0458e+00],
[2.0101e+01, 4.2915e-02, 1.6533e+00],
[7.0752e+01, 1.4656e-01, 1.7070e+00],
[3.4910e-03, 2.3452e-08, 5.4540e-04],
[5.9598e-01, 1.7035e-04, 6.9412e-02],
[7.9563e+01, 2.2444e+00, 3.2223e+00],
[4.8585e+01, 1.7162e-01, 1.2418e+00],
[3.6540e-02, 2.4424e-07, 5.5789e-03],
[5.2349e-01, 1.0647e-04, 5.4918e-02],
[3.5853e+00, 1.5332e-03, 4.1383e-01],
[1.6715e-01, 3.1841e-06, 2.1840e-02],
[6.9264e+00, 1.5650e-02, 4.8736e-01],
[2.3215e-01, 2.1576e-05, 2.7503e-02],
[2.4940e+00, 8.5584e-03, 2.7961e-01],
[4.3767e+00, 2.7745e-02, 5.3685e-01],
[3.1395e+01, 1.7020e-01, 1.0089e+00],
[2.7519e+01, 1.2134e-01, 1.2191e+00],
[2.2203e+00, 2.5992e-03, 2.4204e-01],
[3.7789e-02, 1.1569e-06, 5.1195e-03],
[6.1099e+01, 4.9662e-01, 1.3299e+00],
[1.6238e+01, 1.0930e-02, 1.4927e+00],
[4.4276e-02, 2.0151e-07, 6.4044e-03],
[1.1788e+00, 5.6188e-04, 1.4950e-01],
[1.5953e+01, 6.9228e-02, 1.0633e+00],
[1.6340e+01, 3.6223e-02, 1.0747e+00],
[7.2489e+01, 2.8156e-01, 2.9059e+00],
[2.9899e+01, 1.1603e-01, 8.7511e-01],
[1.2483e+01, 1.2535e-01, 1.2538e+00],
[3.4039e+00, 5.0581e-03, 4.0557e-01],
[7.9005e+01, 2.3605e+00, 3.8880e+00],
[1.2313e-01, 2.4580e-05, 1.7980e-02],
[2.5660e-01, 1.4267e-05, 3.0141e-02],
[6.9683e+01, 7.5775e-01, 1.7869e+00],
[3.5285e+01, 5.2453e-02, 1.0529e+00],
[7.9593e+00, 2.6852e-03, 2.6990e-01],
[1.7000e+00, 1.5367e-03, 1.5883e-01],
[6.1078e+01, 8.9233e-01, 3.1833e+00],
[1.4371e+00, 3.3569e-04, 8.4279e-02],

```

[1.8532e+00, 6.8001e-04, 1.2698e-01],  
 [2.1115e-01, 3.7105e-05, 2.4282e-02],  
 [3.3895e+00, 1.7279e-03, 2.2389e-01],  
 [1.7830e+01, 3.6636e-02, 5.6341e-01],  
 [2.8585e+00, 3.7771e-03, 3.2294e-01],  
 [3.0008e+00, 1.8595e-03, 1.9716e-01],  
 [4.4439e+00, 2.1578e-03, 3.1562e-01],  
 [8.3788e-03, 1.7495e-08, 1.3093e-03],  
 [7.7269e+01, 8.2834e-01, 2.0505e+00],  
 [2.0228e+00, 2.6062e-05, 1.5696e-01],  
 [2.4425e+01, 1.5951e-01, 8.5071e-01],  
 [4.7066e+01, 4.4531e-02, 1.1442e+00],  
 [2.0512e+00, 1.4856e-03, 1.6971e-01],  
 [7.9671e+00, 9.7232e-03, 4.7909e-01],  
 [9.1292e-01, 2.2917e-04, 8.3105e-02],  
 [3.0378e+01, 1.3081e-01, 7.5166e-01],  
 [1.1926e+02, 1.7990e+00, 2.9961e+00],  
 [3.0330e+00, 3.2821e-03, 3.5224e-01],  
 [1.8270e+02, 9.2042e+00, 3.8506e+00],  
 [9.4555e+00, 3.2553e-02, 6.2608e-01],  
 [2.7368e+01, 9.3008e-03, 1.5878e+00],  
 [3.6620e-01, 5.1608e-05, 3.5726e-02],  
 [8.5042e+00, 4.2996e-03, 5.2584e-01],  
 [1.1781e+02, 9.7022e-01, 4.1148e+00],  
 [4.2803e+00, 2.9993e-03, 2.1238e-01],  
 [9.3580e-02, 4.7973e-06, 1.2109e-02],  
 [3.2626e+00, 1.4832e-03, 2.3692e-01],  
 [1.3311e-01, 3.8123e-06, 1.5834e-02],  
 [3.9584e+01, 3.1762e-01, 1.8814e+00],  
 [1.7362e-02, 5.2201e-08, 2.5418e-03],  
 [1.2568e-01, 1.4019e-06, 1.6512e-02],  
 [4.1770e+00, 8.5078e-03, 2.8803e-01],  
 [5.3644e-02, 1.6985e-06, 7.1026e-03],  
 [4.3004e+00, 2.5631e-03, 2.0512e-01],  
 [6.2900e+01, 1.3957e+00, 2.6951e+00],  
 [1.6482e-02, 2.7667e-07, 2.4992e-03],  
 [3.2456e+01, 1.6165e-01, 2.5565e+00],  
 [8.4726e+00, 1.4790e-02, 5.1828e-01],  
 [3.7655e+01, 6.6468e-02, 2.5643e+00],  
 [2.9502e-02, 6.0020e-07, 4.2790e-03],  
 [3.6041e-01, 1.4791e-05, 3.3238e-02],  
 [4.4457e+01, 3.7729e-01, 1.7595e+00],  
 [5.3585e+01, 6.1795e-01, 3.0261e+00],  
 [6.5053e+00, 4.4063e-03, 3.9644e-01],  
 [8.3183e+01, 5.7143e-02, 2.7340e+00],  
 [4.0654e+01, 2.3913e-01, 1.1897e+00],  
 [3.8841e+01, 3.3002e-01, 1.5732e+00],  
 [2.7816e+00, 1.7471e-04, 1.9369e-01],

[2.5211e-01, 8.3101e-06, 3.2158e-02],  
 [6.0729e+00, 2.1649e-03, 5.5496e-01],  
 [7.6280e+00, 3.3423e-03, 3.4139e-01],  
 [6.1483e+01, 3.8218e-02, 1.7329e+00],  
 [4.8729e+01, 2.7172e-01, 1.1685e+00],  
 [1.5638e+02, 6.6338e+00, 4.3962e+00],  
 [6.5725e+00, 1.6641e-02, 3.9998e-01],  
 [4.5655e-02, 4.2947e-07, 7.0054e-03],  
 [6.0878e+00, 2.6960e-03, 5.7596e-01],  
 [3.4572e+01, 1.8063e-01, 1.7591e+00],  
 [3.4637e+01, 2.2340e-01, 2.2488e+00],  
 [1.7601e+01, 1.0584e-01, 8.3493e-01],  
 [8.2236e-02, 2.7803e-06, 1.0490e-02],  
 [1.6792e+02, 5.1459e+00, 4.4137e+00],  
 [1.4204e-01, 4.3223e-06, 1.6171e-02],  
 [1.4220e-04, 4.6612e-12, 2.3503e-05],  
 [8.9477e+01, 3.3689e-01, 3.1992e+00],  
 [1.7329e+00, 1.2865e-03, 1.4926e-01],  
 [1.3658e+02, 2.2150e+00, 3.3787e+00],  
 [6.8233e+01, 1.8829e-01, 1.7748e+00],  
 [2.5428e+01, 1.6170e-01, 1.5666e+00],  
 [3.5217e+01, 2.0789e-01, 1.5202e+00],  
 [8.3481e+00, 5.8250e-03, 3.1504e-01],  
 [5.6123e+01, 1.8260e-01, 2.1061e+00],  
 [2.2117e+00, 1.3649e-03, 1.4949e-01],  
 [6.4501e+01, 3.7028e-01, 1.5429e+00],  
 [2.8083e+01, 6.8728e-02, 7.3606e-01],  
 [2.8960e+00, 3.2856e-03, 2.9606e-01],  
 [8.8313e+01, 3.4999e-01, 3.5536e+00],  
 [4.0653e+01, 2.0601e-01, 9.7179e-01],  
 [6.7768e-01, 2.1930e-04, 6.2993e-02],  
 [1.6535e+01, 2.4445e-02, 1.0914e+00],  
 [4.2153e-01, 1.1662e-04, 4.1019e-02],  
 [9.2510e+01, 1.0307e-01, 3.4835e+00],  
 [5.3387e+01, 2.4579e-01, 2.7124e+00],  
 [2.8515e+01, 1.5917e-01, 1.1680e+00],  
 [8.2081e+00, 9.9977e-03, 4.3598e-01],  
 [3.3765e+00, 1.8932e-03, 1.6259e-01],  
 [1.0984e+02, 1.9587e+00, 3.5260e+00],  
 [1.4563e+01, 2.5123e-02, 1.2857e+00],  
 [4.2699e+01, 5.7441e-01, 1.2287e+00],  
 [2.1038e+01, 2.1099e-02, 1.2379e+00],  
 [1.6288e+02, 2.4257e+00, 4.0263e+00],  
 [7.3738e+01, 1.1088e+00, 2.1359e+00],  
 [1.1729e+00, 4.4598e-04, 9.6849e-02],  
 [1.3837e-01, 1.2772e-05, 1.5152e-02],  
 [2.0607e+01, 5.2468e-02, 7.7642e-01],  
 [2.8474e+00, 3.9348e-03, 2.6112e-01],

[2.9319e-02, 1.1261e-06, 4.4739e-03],  
 [1.6301e+00, 1.9067e-03, 2.0256e-01],  
 [2.5105e+00, 2.2037e-03, 1.6975e-01],  
 [1.2260e+01, 8.2157e-03, 6.6891e-01],  
 [1.8521e+01, 3.5079e-02, 5.7342e-01],  
 [1.7908e+01, 1.5227e-02, 5.2164e-01],  
 [1.0579e+01, 5.0138e-03, 5.0652e-01],  
 [2.0115e+01, 6.5691e-02, 6.4256e-01],  
 [2.8860e+00, 1.2410e-03, 2.1676e-01],  
 [6.5676e-01, 6.3281e-05, 7.4779e-02],  
 [3.2691e+00, 1.7948e-03, 1.7107e-01],  
 [4.1001e-03, 3.6861e-09, 6.5682e-04],  
 [1.5517e-01, 4.8334e-06, 1.9351e-02],  
 [1.8732e+00, 1.6785e-04, 1.4082e-01],  
 [4.3291e-01, 2.8290e-05, 4.8479e-02],  
 [5.6059e+00, 4.2566e-03, 3.9250e-01],  
 [3.3401e+00, 2.3251e-03, 2.2193e-01],  
 [3.6237e-02, 4.0160e-07, 5.0507e-03],  
 [7.4078e+01, 6.7321e-01, 1.7678e+00],  
 [2.5463e+01, 1.4878e-01, 9.4917e-01],  
 [3.7389e+00, 8.8709e-05, 3.0927e-01],  
 [1.2339e+00, 2.2255e-04, 9.3181e-02],  
 [1.1675e+01, 3.3423e-03, 4.1244e-01],  
 [1.5511e-01, 3.6976e-06, 1.7721e-02],  
 [1.8330e+01, 1.2278e-01, 1.6287e+00],  
 [6.1707e-02, 1.8494e-06, 8.3205e-03],  
 [1.5639e-02, 3.3736e-07, 2.2966e-03],  
 [6.5504e-01, 9.6307e-05, 6.0759e-02],  
 [1.6643e+00, 3.0557e-04, 1.1394e-01],  
 [3.7068e+01, 1.8907e-01, 1.3516e+00],  
 [6.0854e+01, 8.2960e-02, 1.7051e+00],  
 [3.1028e+01, 1.1603e-01, 1.9227e+00],  
 [6.6371e-02, 1.2373e-06, 9.9762e-03],  
 [3.6290e+01, 2.4364e-01, 1.6785e+00],  
 [4.8425e+01, 1.2539e+00, 3.2094e+00],  
 [3.3182e+01, 2.5764e-01, 1.0183e+00],  
 [1.0523e+02, 2.7252e+00, 3.5207e+00],  
 [7.9737e-01, 1.2410e-04, 6.5729e-02],  
 [2.8655e+01, 8.6821e-02, 1.7698e+00],  
 [4.1943e+00, 4.9039e-04, 2.3916e-01],  
 [1.8391e-01, 3.8776e-06, 1.8521e-02],  
 [2.1030e-02, 2.8426e-07, 3.2293e-03],  
 [4.8186e-03, 1.9578e-08, 7.5387e-04],  
 [2.4629e+00, 2.7707e-03, 2.0328e-01],  
 [7.7535e-01, 1.6341e-04, 1.0706e-01],  
 [6.8565e+00, 1.0659e-02, 5.0783e-01],  
 [1.4498e-02, 1.3889e-07, 2.1920e-03],  
 [1.2944e+00, 2.3905e-04, 1.1525e-01],

[5.0582e+00, 1.7212e-02, 4.3322e-01],  
 [6.2475e+01, 1.1280e+00, 1.8058e+00],  
 [2.3248e-03, 3.5179e-09, 3.7673e-04],  
 [7.4704e+01, 1.9031e-01, 2.6641e+00],  
 [1.5174e+00, 4.2283e-04, 1.5606e-01],  
 [2.2726e-01, 2.1728e-05, 2.1539e-02],  
 [6.9967e+01, 1.7080e+00, 3.4178e+00],  
 [1.3180e+01, 4.7239e-02, 8.0014e-01],  
 [2.0113e+01, 8.8411e-02, 6.9533e-01],  
 [2.0223e+02, 1.7876e+00, 3.3323e+00],  
 [6.9568e-03, 5.4695e-09, 1.0833e-03],  
 [9.3404e-02, 5.0282e-06, 1.2214e-02],  
 [9.0192e+01, 8.6494e-01, 1.6578e+00],  
 [3.5426e-01, 2.0835e-05, 3.0797e-02],  
 [2.5288e+00, 2.6305e-04, 2.5122e-01],  
 [3.5787e+00, 3.1337e-03, 1.8199e-01],  
 [5.0065e+01, 2.9434e-01, 1.7575e+00],  
 [9.6829e-03, 1.8905e-08, 1.5633e-03],  
 [1.0699e+02, 5.6761e-01, 3.4753e+00],  
 [1.2585e+01, 2.0003e-02, 1.1245e+00],  
 [1.3059e+00, 4.1362e-04, 1.6298e-01],  
 [8.5784e-02, 1.4371e-06, 1.1670e-02],  
 [4.2115e+00, 1.3142e-02, 3.7089e-01],  
 [3.7149e+01, 5.3849e-03, 9.4737e-01],  
 [4.2228e+00, 8.7914e-03, 3.0732e-01],  
 [1.0385e+01, 3.8841e-02, 4.7313e-01],  
 [3.6574e+01, 1.0874e-01, 9.0296e-01],  
 [1.4859e-01, 1.3827e-05, 1.5863e-02],  
 [1.2667e-02, 2.2517e-08, 2.0212e-03],  
 [8.7563e-03, 1.4578e-08, 1.3205e-03],  
 [1.5609e+00, 8.0457e-04, 1.1963e-01],  
 [2.3711e-01, 3.1947e-06, 2.6300e-02],  
 [9.5406e-01, 1.3728e-05, 7.0365e-02],  
 [9.4546e-02, 1.3522e-06, 1.4174e-02],  
 [3.5774e+01, 4.4712e-01, 1.1360e+00],  
 [7.4659e+00, 1.1452e-02, 4.1639e-01],  
 [4.0069e-03, 1.4088e-09, 6.3031e-04],  
 [1.6072e+02, 2.2260e+00, 3.3507e+00],  
 [2.0139e+00, 3.0256e-04, 1.0232e-01],  
 [8.7657e+01, 1.4557e+00, 3.2318e+00],  
 [9.8240e-01, 4.3053e-04, 1.1822e-01],  
 [3.3075e-01, 4.8098e-05, 3.9482e-02],  
 [2.9310e+01, 1.4501e-01, 1.5833e+00],  
 [1.8568e+00, 8.4808e-04, 1.6342e-01],  
 [1.5131e+01, 6.6604e-02, 7.6494e-01],  
 [8.5092e-04, 9.7383e-11, 1.3749e-04],  
 [5.3552e-01, 2.7044e-04, 6.2022e-02],  
 [9.4360e+00, 1.3551e-02, 5.0243e-01],

[9.3752e+00, 5.4230e-03, 1.0432e+00],  
 [2.2350e-03, 4.3281e-09, 3.5406e-04],  
 [8.2171e+00, 1.0812e-02, 3.5553e-01],  
 [5.1033e+01, 5.7458e-02, 1.1632e+00],  
 [2.7416e-02, 1.6267e-07, 4.0479e-03],  
 [4.6225e+00, 6.9943e-03, 3.6574e-01],  
 [9.3838e+00, 1.1958e-02, 6.3211e-01],  
 [8.7202e-01, 1.0982e-05, 8.1579e-02],  
 [1.5338e+00, 2.8244e-04, 8.5726e-02],  
 [6.4824e+01, 4.4992e-01, 1.8313e+00],  
 [1.0149e+01, 2.2100e-03, 4.9478e-01],  
 [2.9588e+00, 5.3903e-04, 2.6352e-01],  
 [6.0579e+01, 7.2914e-01, 1.9802e+00],  
 [1.7626e+01, 1.3092e-02, 7.5475e-01],  
 [3.1562e+01, 8.8004e-02, 9.7884e-01],  
 [5.1992e-01, 1.0768e-04, 4.9722e-02],  
 [2.1632e+01, 7.4175e-03, 1.1104e+00],  
 [6.8321e+00, 8.4347e-03, 7.2989e-01],  
 [4.0606e+00, 1.5258e-03, 3.4371e-01],  
 [1.2429e-03, 6.6867e-10, 2.0181e-04],  
 [3.6416e+00, 3.0307e-03, 3.3635e-01],  
 [3.2433e+01, 1.2096e-01, 1.5779e+00],  
 [2.4229e+00, 1.2792e-03, 2.3003e-01],  
 [5.0404e+01, 6.1965e-02, 1.5257e+00],  
 [8.6802e+00, 4.4888e-02, 5.9641e-01],  
 [4.3743e-02, 1.3019e-06, 6.6523e-03],  
 [7.7381e+01, 5.3992e-01, 3.8613e+00],  
 [6.5777e-03, 1.3538e-08, 1.0072e-03],  
 [6.2241e-01, 1.6335e-04, 5.6068e-02],  
 [7.5363e-02, 4.9789e-07, 9.8046e-03],  
 [3.6688e+01, 2.5637e-01, 1.3398e+00],  
 [8.9354e-02, 5.6543e-06, 1.1675e-02],  
 [3.5341e+01, 8.1948e-02, 1.7702e+00],  
 [3.9913e-02, 1.1097e-07, 5.2893e-03],  
 [1.7093e+02, 5.3536e+00, 3.2710e+00],  
 [1.1497e-01, 7.7437e-06, 1.4150e-02],  
 [7.6665e-01, 6.0453e-05, 9.6579e-02],  
 [6.6384e-01, 5.3130e-05, 8.1110e-02],  
 [1.1110e+00, 2.7024e-04, 1.3344e-01],  
 [8.0073e+00, 2.0613e-02, 7.7736e-01],  
 [1.5232e-01, 1.9882e-05, 1.9668e-02],  
 [1.4105e-02, 1.4777e-07, 2.1652e-03],  
 [1.2031e+02, 3.1977e+00, 2.6748e+00],  
 [1.1874e+02, 2.2586e+00, 3.2019e+00],  
 [1.5010e-01, 1.1274e-05, 1.9811e-02],  
 [3.1847e+01, 1.8439e-01, 1.3218e+00],  
 [1.0921e+00, 5.5546e-05, 9.8799e-02],  
 [5.0581e+01, 6.0663e-02, 1.3438e+00],



```

[5.4377e+01, 9.7175e-02, 1.1387e+00],
[2.8454e-02, 1.4326e-07, 4.1870e-03],
[4.0638e+01, 9.0792e-02, 1.4659e+00],
[2.8370e+01, 1.3758e-01, 1.6479e+00],
[6.7453e+01, 5.7473e-01, 2.3037e+00],
[3.4079e-02, 8.4840e-07, 5.2594e-03],
[2.6067e+00, 1.8684e-03, 1.8755e-01],
[3.5966e+00, 5.0254e-03, 2.4844e-01],
[2.2348e+00, 7.9323e-04, 1.4309e-01],
[1.6817e+00, 2.3825e-04, 1.7723e-01],
[3.8346e-01, 1.2663e-04, 4.3770e-02],
[2.9304e-02, 1.1529e-07, 4.4465e-03],
[2.5491e-02, 9.2714e-07, 3.7722e-03],
[2.3470e+02, 1.5249e+01, 5.0671e+00],
[2.7233e-02, 1.9810e-07, 3.9264e-03],
[1.0842e+01, 1.2212e-03, 5.5946e-01],
[1.5722e-01, 7.5244e-06, 1.9911e-02],
[1.8030e-04, 2.8228e-11, 2.9621e-05],
[1.6416e-01, 1.6042e-05, 2.3096e-02],
[3.8733e+00, 1.5262e-03, 2.6939e-01],
[2.9142e+00, 2.2422e-04, 2.4785e-01],
[1.4257e+00, 4.0470e-04, 1.6561e-01],
[3.2671e+01, 2.4372e-01, 1.2652e+00],
[3.8032e-03, 1.1943e-08, 5.9832e-04],
[3.7708e-01, 4.8808e-05, 4.1563e-02],
[2.8017e+00, 1.6009e-03, 1.7170e-01],
[6.6718e+00, 2.2939e-02, 5.0279e-01],
[6.2318e+00, 1.2931e-03, 4.0938e-01],
[3.3010e+00, 3.2273e-03, 2.4779e-01],
[6.0857e+01, 5.6702e-01, 2.2450e+00],
[2.7057e-01, 2.5531e-05, 2.8118e-02],
[2.1570e+01, 5.0482e-02, 9.2211e-01],
[6.8423e+01, 2.9795e-01, 1.6476e+00],
[1.5359e+02, 2.0286e+00, 2.5567e+00],
[1.1213e+02, 1.5864e+00, 3.6735e+00],
[3.5429e-01, 4.8062e-05, 3.9411e-02]], dtype=torch.float64)
Iteration: 47
Inputs: tensor([[5.8333e+19, 1.6457e+02, 1.0529e+01, 7.2031e+00],
[9.3872e+18, 3.4904e+02, 1.4422e+01, 4.1580e+00],
[9.1136e+20, 2.7690e+02, 2.4341e+00, 7.6592e+00],
...,
[1.6359e+18, 1.8004e+02, 1.9476e+01, 6.0184e+00],
[8.9225e+20, 2.0370e+02, 1.4540e+01, 3.0989e+00],
[7.2502e+18, 1.8630e+02, 9.4236e+00, 6.0996e+00]], dtype=torch.float64)
Target: tensor([[1.5693e+01, 6.4602e-02, 8.2003e-01],
[1.7800e+00, 5.9291e-04, 1.5123e-01],
[2.6049e+02, 5.4960e+00, 4.8984e+00],
[3.5290e-02, 6.8499e-07, 5.1881e-03],

```

[1.7742e+01, 1.7750e-02, 1.3885e+00],  
 [7.7129e+00, 1.8669e-02, 4.3060e-01],  
 [6.2658e-02, 3.9476e-06, 8.2663e-03],  
 [1.6933e+02, 4.3959e+00, 4.5935e+00],  
 [3.2370e+00, 3.4564e-03, 3.0009e-01],  
 [3.4977e+01, 8.2261e-01, 2.5453e+00],  
 [8.1425e-02, 5.1869e-06, 1.0278e-02],  
 [6.0978e-01, 1.1339e-04, 7.1715e-02],  
 [6.0904e+01, 5.7856e-01, 1.8802e+00],  
 [1.1955e+02, 2.6762e+00, 4.4125e+00],  
 [3.0658e+00, 2.0628e-03, 2.8461e-01],  
 [4.8286e-01, 7.5559e-05, 4.4796e-02],  
 [5.2036e+00, 7.2429e-03, 2.8317e-01],  
 [1.8707e+01, 1.4134e-01, 7.3122e-01],  
 [1.0782e+00, 3.0677e-04, 8.1777e-02],  
 [5.7355e-03, 5.4842e-09, 9.0504e-04],  
 [5.2434e+00, 6.1601e-03, 3.3629e-01],  
 [6.0396e+00, 4.4855e-03, 3.3010e-01],  
 [9.5102e+00, 2.1370e-02, 5.4938e-01],  
 [1.1269e-03, 1.6060e-09, 1.8167e-04],  
 [9.2372e-02, 1.1158e-06, 1.1418e-02],  
 [2.5345e+01, 1.2593e-01, 9.3500e-01],  
 [8.3071e-01, 1.5028e-04, 7.3951e-02],  
 [5.8070e-01, 8.8758e-05, 4.5232e-02],  
 [1.6347e+00, 2.7851e-04, 1.9448e-01],  
 [9.4563e-01, 1.3427e-04, 7.4467e-02],  
 [2.7277e+01, 1.1386e-01, 1.1606e+00],  
 [3.0532e+00, 3.0720e-03, 2.6640e-01],  
 [1.6812e+01, 3.0214e-02, 7.6578e-01],  
 [2.0630e+01, 4.1035e-02, 1.1303e+00],  
 [5.5418e+00, 8.0316e-03, 3.6866e-01],  
 [5.7457e+01, 6.5003e-01, 1.4492e+00],  
 [8.3704e-01, 7.4873e-05, 9.3907e-02],  
 [1.1618e+01, 1.6492e-02, 9.2142e-01],  
 [4.9102e+01, 1.2581e-01, 1.8971e+00],  
 [4.2546e+00, 4.4103e-04, 2.8865e-01],  
 [7.6189e-01, 2.6832e-04, 6.1785e-02],  
 [2.7874e+00, 1.4748e-03, 1.9561e-01],  
 [3.4822e+00, 7.4990e-04, 2.6903e-01],  
 [1.0866e-01, 1.7858e-06, 1.3515e-02],  
 [5.8746e+00, 2.3624e-03, 2.8255e-01],  
 [2.7873e+00, 3.2220e-03, 1.8787e-01],  
 [2.6384e-01, 1.4816e-05, 2.5794e-02],  
 [2.7571e-01, 1.1328e-05, 3.0137e-02],  
 [1.7164e+01, 5.1578e-02, 6.1718e-01],  
 [9.9479e+01, 4.9718e-01, 2.2614e+00],  
 [1.2051e+02, 9.6961e-01, 2.8162e+00],  
 [4.3050e+01, 1.9906e-01, 1.8627e+00],

[9.6484e+00, 1.5484e-02, 4.7011e-01],  
 [1.3592e+01, 1.2447e-02, 1.2912e+00],  
 [1.7482e-01, 1.4134e-05, 1.8360e-02],  
 [5.8981e-02, 3.9397e-07, 8.0339e-03],  
 [5.1411e+00, 1.2364e-02, 3.5190e-01],  
 [7.6364e+00, 1.1671e-02, 3.9399e-01],  
 [1.0850e+02, 2.3134e+00, 3.5678e+00],  
 [3.2060e+01, 6.8594e-03, 8.8476e-01],  
 [3.3892e+00, 7.7988e-04, 1.9194e-01],  
 [2.5226e+00, 7.6236e-04, 3.2988e-01],  
 [4.1351e+00, 5.8145e-04, 3.3293e-01],  
 [5.7662e+01, 5.5628e-01, 1.4128e+00],  
 [7.0102e-01, 8.2534e-05, 7.6721e-02],  
 [1.6843e+00, 1.1816e-03, 1.5115e-01],  
 [3.1043e+01, 1.9893e-01, 1.6926e+00],  
 [4.7023e+00, 7.4446e-03, 2.7098e-01],  
 [1.2635e+02, 1.9207e-01, 3.1072e+00],  
 [4.1524e+01, 2.7353e-01, 2.4359e+00],  
 [2.7581e+00, 1.6948e-03, 2.9324e-01],  
 [2.7317e-02, 7.2712e-08, 3.7845e-03],  
 [3.3722e+01, 1.0396e-01, 1.3752e+00],  
 [8.0385e+01, 1.1267e+00, 2.5239e+00],  
 [1.8295e-01, 2.8115e-05, 2.0720e-02],  
 [4.6628e+01, 1.0943e-01, 1.9460e+00],  
 [4.6897e+01, 4.4351e-01, 1.1839e+00],  
 [1.7721e-01, 2.2371e-05, 1.8716e-02],  
 [1.1845e+00, 3.4692e-04, 9.6217e-02],  
 [7.4232e-02, 2.6439e-06, 9.1986e-03],  
 [1.1789e+01, 2.0778e-02, 7.5730e-01],  
 [2.6453e-01, 2.5260e-05, 2.3889e-02],  
 [3.4757e+01, 1.9460e-01, 1.6786e+00],  
 [5.2935e+01, 4.3433e-01, 2.3274e+00],  
 [8.5226e+01, 5.6546e-01, 3.0211e+00],  
 [2.1052e+02, 5.2858e+00, 3.6789e+00],  
 [9.3341e-01, 1.3783e-04, 5.7418e-02],  
 [6.1388e+00, 9.7903e-03, 3.0749e-01],  
 [3.0752e+01, 2.6505e-01, 1.0002e+00],  
 [2.5887e+01, 8.2605e-02, 1.0620e+00],  
 [4.4710e+01, 2.3049e-01, 1.1942e+00],  
 [7.2654e+01, 1.7553e-01, 2.6846e+00],  
 [3.9962e+00, 8.2539e-04, 2.7151e-01],  
 [1.4682e-02, 1.9827e-08, 2.1872e-03],  
 [6.0569e-01, 2.2673e-05, 5.4451e-02],  
 [1.8487e+00, 3.3247e-04, 1.6925e-01],  
 [2.1088e+00, 1.4610e-03, 1.6764e-01],  
 [3.4229e-01, 1.3364e-05, 4.0953e-02],  
 [3.4522e-01, 4.4847e-05, 3.5762e-02],  
 [5.5661e-01, 9.6590e-05, 4.7507e-02],

[5.7600e-01, 3.5870e-04, 7.5506e-02],  
 [2.7056e-01, 6.1645e-06, 3.1269e-02],  
 [1.2897e+02, 1.1878e+00, 4.2903e+00],  
 [9.9172e+00, 3.8721e-03, 6.7190e-01],  
 [1.8007e+00, 1.3445e-03, 1.7478e-01],  
 [6.4732e+00, 5.3178e-03, 4.8438e-01],  
 [1.5555e+01, 3.2594e-02, 6.3095e-01],  
 [1.4100e+01, 4.5211e-02, 1.1942e+00],  
 [1.0129e+00, 4.3047e-04, 8.5254e-02],  
 [6.1899e+01, 1.6541e-01, 1.6585e+00],  
 [3.7740e+00, 2.1890e-03, 2.6576e-01],  
 [3.6311e+01, 6.3243e-02, 2.4687e+00],  
 [1.5418e+01, 5.5683e-02, 8.6365e-01],  
 [6.1410e+01, 2.2187e-01, 1.8969e+00],  
 [2.0244e+02, 6.9487e+00, 4.5200e+00],  
 [2.0467e-01, 2.6978e-05, 2.6179e-02],  
 [3.2130e-02, 1.3594e-07, 4.4464e-03],  
 [3.3183e+01, 3.0454e-01, 1.1664e+00],  
 [4.1511e-01, 9.4237e-05, 4.9782e-02],  
 [3.5731e+00, 4.1264e-03, 2.5928e-01],  
 [5.0832e+00, 6.8213e-03, 2.6724e-01],  
 [5.1002e+00, 5.8800e-03, 5.6328e-01],  
 [1.9544e+00, 4.2446e-04, 1.6419e-01],  
 [1.3989e+02, 3.3127e+00, 3.8789e+00],  
 [4.5343e-01, 4.8060e-05, 4.5937e-02],  
 [9.1055e+00, 5.1779e-03, 6.3256e-01],  
 [2.2353e+00, 3.2971e-04, 1.1012e-01],  
 [7.2635e+01, 6.3784e-01, 1.6580e+00],  
 [6.8499e+01, 1.2248e+00, 3.2006e+00],  
 [1.0800e+01, 3.4340e-02, 5.7624e-01],  
 [3.0048e+01, 1.6928e-01, 1.1439e+00],  
 [3.2908e+00, 2.0078e-03, 3.2040e-01],  
 [1.4998e+01, 1.0641e-01, 1.0164e+00],  
 [1.3352e+02, 1.7031e+00, 3.4271e+00],  
 [2.4399e+01, 4.7229e-02, 6.9285e-01],  
 [1.2797e+00, 5.6956e-05, 1.4756e-01],  
 [1.6977e+01, 3.3341e-02, 1.3390e+00],  
 [1.4646e+01, 8.6976e-02, 1.0070e+00],  
 [4.5581e-02, 2.5518e-06, 6.8186e-03],  
 [3.4442e+01, 3.7836e-01, 1.3829e+00],  
 [2.6920e+01, 1.3690e-01, 1.0712e+00],  
 [2.1888e+02, 9.0051e+00, 4.1578e+00],  
 [2.1180e+00, 9.7101e-04, 2.2841e-01],  
 [9.3943e+01, 1.6681e+00, 3.1665e+00],  
 [8.4042e-01, 1.8323e-04, 8.9109e-02],  
 [2.2790e-01, 4.7163e-05, 2.7666e-02],  
 [3.4242e+00, 2.8623e-03, 3.5631e-01],  
 [1.8014e+01, 2.4458e-02, 1.4630e+00],

[1.2041e+01, 4.9925e-02, 8.4886e-01],  
 [4.9456e+01, 3.8481e-01, 1.3169e+00],  
 [3.0569e-01, 3.7071e-05, 2.9689e-02],  
 [4.9419e+00, 1.2295e-03, 2.6145e-01],  
 [1.1856e+02, 4.8003e-01, 4.0732e+00],  
 [3.4409e-02, 6.0602e-07, 4.9522e-03],  
 [1.1163e+01, 7.2288e-03, 9.4483e-01],  
 [2.0370e-01, 5.6101e-06, 2.7452e-02],  
 [9.9342e+01, 2.3357e+00, 2.3855e+00],  
 [6.1905e+01, 6.7315e-01, 1.7689e+00],  
 [2.2474e-03, 6.7582e-10, 3.6698e-04],  
 [1.3662e+00, 9.5000e-04, 1.2261e-01],  
 [9.9813e+01, 1.9591e+00, 3.9985e+00],  
 [2.1377e+01, 8.5831e-03, 7.2834e-01],  
 [5.2362e+01, 3.1297e-01, 2.7141e+00],  
 [1.6367e+01, 3.9911e-02, 1.3025e+00],  
 [4.1008e+00, 2.3149e-03, 2.9920e-01],  
 [3.1942e-01, 3.9857e-06, 3.6815e-02],  
 [1.4137e+01, 3.2035e-02, 5.8722e-01],  
 [1.3683e+01, 3.3970e-02, 8.9508e-01],  
 [2.4542e-02, 6.3738e-08, 3.4705e-03],  
 [1.5629e+01, 7.7710e-02, 6.6062e-01],  
 [6.4405e-02, 2.1126e-07, 8.2252e-03],  
 [1.3054e+00, 2.0107e-04, 1.0610e-01],  
 [7.7281e+01, 1.2982e-01, 1.6017e+00],  
 [3.4380e-01, 3.2664e-05, 3.0967e-02],  
 [5.3247e+00, 1.2466e-03, 2.5938e-01],  
 [2.4568e+01, 5.7435e-02, 1.4528e+00],  
 [4.8489e-03, 5.5494e-09, 7.8132e-04],  
 [1.3810e+02, 9.3855e-01, 3.9085e+00],  
 [5.4860e+01, 7.6387e-01, 1.8868e+00],  
 [1.1603e+00, 1.2241e-05, 1.2506e-01],  
 [4.1969e+01, 3.3336e-01, 1.5869e+00],  
 [1.4673e+02, 2.1042e+00, 4.6635e+00],  
 [4.4761e+01, 3.0282e-01, 1.6612e+00],  
 [6.2153e+00, 1.9062e-02, 6.2813e-01],  
 [1.0198e+01, 6.1180e-02, 6.5513e-01],  
 [4.7524e+00, 2.3497e-03, 2.5888e-01],  
 [1.7340e-01, 5.7660e-06, 2.0508e-02],  
 [2.7393e-02, 1.3653e-06, 4.1931e-03],  
 [4.8595e+01, 4.9606e-01, 1.3938e+00],  
 [2.7076e+01, 1.5926e-01, 1.2980e+00],  
 [3.5689e+01, 7.8572e-02, 2.3273e+00],  
 [1.3105e+01, 3.4760e-02, 7.5320e-01],  
 [1.5325e+01, 5.3173e-02, 6.3832e-01],  
 [3.4051e+01, 9.5958e-02, 1.3047e+00],  
 [5.0464e+00, 2.3089e-03, 4.1743e-01],  
 [2.3924e-01, 1.2246e-05, 3.5262e-02],

[2.5824e-01, 4.1185e-05, 2.5579e-02],  
 [7.0413e-01, 2.7553e-04, 7.4115e-02],  
 [6.3186e+00, 3.1879e-03, 5.6705e-01],  
 [2.5934e+01, 1.2149e-01, 1.4459e+00],  
 [7.3691e+00, 1.1524e-03, 4.8285e-01],  
 [1.0531e+01, 1.0882e-02, 4.6070e-01],  
 [1.1946e+01, 4.1889e-02, 8.2253e-01],  
 [3.9139e+01, 6.1568e-01, 2.1790e+00],  
 [2.3119e-01, 1.3529e-05, 2.3553e-02],  
 [1.0699e-01, 2.1825e-06, 1.3390e-02],  
 [2.9514e+01, 1.3953e-01, 1.3586e+00],  
 [1.9831e-01, 1.3867e-05, 2.3205e-02],  
 [2.7943e+00, 3.0485e-03, 2.9217e-01],  
 [3.1515e+01, 1.0161e-01, 1.2349e+00],  
 [1.1108e+01, 3.5507e-02, 4.8738e-01],  
 [3.9203e-01, 1.2017e-04, 5.2736e-02],  
 [1.5395e-01, 1.5711e-06, 1.8221e-02],  
 [2.8028e-01, 7.7489e-06, 2.7211e-02],  
 [9.0860e-01, 6.7885e-05, 9.3023e-02],  
 [2.8695e+00, 1.7081e-03, 2.5416e-01],  
 [1.6672e+02, 2.1550e+00, 4.2179e+00],  
 [8.2215e+00, 1.6329e-02, 5.5346e-01],  
 [7.4424e-04, 9.7049e-11, 1.2212e-04],  
 [2.1771e+01, 7.4079e-02, 1.1345e+00],  
 [5.5149e+00, 1.5032e-03, 2.9095e-01],  
 [7.8642e-01, 1.2482e-04, 5.5495e-02],  
 [8.7394e+01, 8.3952e-01, 1.5887e+00],  
 [3.3032e+01, 2.7945e-01, 1.1080e+00],  
 [3.4215e-01, 5.1021e-05, 4.7347e-02],  
 [1.8833e-02, 1.4447e-07, 2.6967e-03],  
 [5.9284e+00, 2.1548e-03, 3.4302e-01],  
 [4.2531e-01, 2.6184e-05, 4.0175e-02],  
 [4.1746e+01, 1.4226e-01, 1.6860e+00],  
 [8.7237e-02, 9.7732e-06, 1.1715e-02],  
 [3.9301e-02, 5.1799e-07, 5.6017e-03],  
 [7.1195e+01, 1.0854e+00, 2.1015e+00],  
 [1.0070e-01, 1.5013e-06, 1.1574e-02],  
 [1.3787e+02, 2.1931e+00, 3.5367e+00],  
 [8.3891e+01, 1.0330e+00, 1.8591e+00],  
 [1.1911e+01, 5.0451e-02, 1.1035e+00],  
 [7.0898e+01, 2.1450e-01, 2.0528e+00],  
 [1.4902e+00, 6.4436e-04, 1.3398e-01],  
 [3.7700e+00, 2.1281e-03, 3.0311e-01],  
 [7.8489e+01, 2.7615e-01, 3.6695e+00],  
 [2.6169e-01, 1.4091e-05, 2.5678e-02],  
 [2.4648e+00, 1.3478e-03, 2.8941e-01],  
 [1.9689e-01, 3.0179e-05, 2.0098e-02],  
 [3.9131e+00, 5.3574e-03, 2.2207e-01],

[1.2669e+01, 7.1840e-03, 7.9216e-01],  
 [6.4583e-01, 2.9341e-05, 7.6848e-02],  
 [3.9869e-02, 1.2859e-06, 5.6919e-03],  
 [1.5221e+01, 6.2605e-03, 5.5741e-01],  
 [6.7569e+00, 5.0015e-03, 3.5295e-01],  
 [4.5138e+01, 4.9536e-01, 1.6410e+00],  
 [1.5304e+00, 3.0313e-03, 1.8071e-01],  
 [3.4639e+00, 2.9105e-03, 2.3594e-01],  
 [9.1583e+01, 4.4597e-01, 3.6787e+00],  
 [1.0615e-01, 4.1320e-06, 1.3143e-02],  
 [1.1708e+02, 1.4645e+00, 2.4292e+00],  
 [5.4243e-02, 9.3532e-07, 6.8884e-03],  
 [3.1417e+00, 1.3243e-03, 2.5852e-01],  
 [1.0140e-01, 1.5352e-06, 1.1723e-02],  
 [1.3379e-01, 8.1334e-06, 1.6536e-02],  
 [8.0919e+00, 2.5146e-03, 6.3056e-01],  
 [4.1483e+01, 5.4020e-02, 1.1330e+00],  
 [2.7322e-01, 2.1321e-05, 2.6402e-02],  
 [1.1363e+00, 1.6254e-03, 1.5405e-01],  
 [1.2170e+01, 1.0771e-02, 9.0473e-01],  
 [1.1207e+00, 3.2048e-04, 1.1385e-01],  
 [1.6519e+01, 5.2350e-02, 5.8507e-01],  
 [4.7572e+01, 6.7925e-02, 1.2644e+00],  
 [3.3771e+01, 5.6110e-01, 2.2119e+00],  
 [2.6441e+00, 5.9281e-03, 3.1379e-01],  
 [1.8296e+02, 4.9902e+00, 4.8249e+00],  
 [3.8763e+01, 2.3339e-01, 9.9355e-01],  
 [2.0598e+00, 7.6463e-04, 1.7429e-01],  
 [3.7742e+01, 1.1846e-01, 1.6175e+00],  
 [1.7190e+01, 6.5607e-03, 6.7774e-01],  
 [2.0455e+02, 6.2275e+00, 4.3448e+00],  
 [2.1381e+00, 5.6459e-04, 1.4572e-01],  
 [4.5857e+01, 6.4254e-01, 2.1271e+00],  
 [1.5997e+01, 3.8835e-02, 1.2373e+00],  
 [1.2588e+02, 3.4209e-01, 2.5634e+00],  
 [5.2520e+00, 2.1892e-03, 2.1056e-01],  
 [3.3156e+01, 6.9056e-01, 2.4462e+00],  
 [4.3451e-02, 2.6674e-06, 6.1376e-03],  
 [1.9459e+00, 2.7921e-04, 1.3861e-01],  
 [4.7048e+01, 6.9412e-01, 1.6426e+00],  
 [3.0114e+01, 2.1838e-01, 1.8952e+00],  
 [1.9796e+00, 2.5948e-04, 1.8177e-01],  
 [2.5568e+00, 7.9087e-04, 2.2571e-01],  
 [4.8195e+01, 7.5123e-02, 1.3115e+00],  
 [3.0354e+01, 2.1962e-02, 1.1468e+00],  
 [1.0314e+01, 1.0019e-03, 4.5703e-01],  
 [5.7291e-01, 6.0977e-05, 4.4516e-02],  
 [1.5844e+01, 7.3874e-03, 7.6932e-01],

```

[1.8889e+01, 4.8239e-02, 9.8577e-01],
[3.0249e-01, 2.5673e-05, 3.4833e-02],
[2.8399e+00, 4.4742e-03, 2.5010e-01],
[4.4900e+01, 1.7598e-01, 2.5259e+00],
[3.2442e+01, 6.2690e-02, 1.6701e+00],
[4.8080e+01, 5.3246e-01, 1.5973e+00],
[4.1782e+01, 1.4781e-01, 1.6906e+00],
[3.8407e+00, 3.6722e-03, 2.3976e-01],
[2.0869e+02, 6.6742e-01, 4.3422e+00],
[6.5476e+00, 2.7216e-02, 5.3058e-01],
[3.4958e+00, 7.2762e-04, 3.0547e-01],
[5.3913e+00, 2.1688e-04, 3.4026e-01],
[5.2630e-02, 2.6348e-06, 6.7551e-03],
[2.5947e+01, 4.7138e-03, 1.4247e+00],
[1.0438e-02, 1.8016e-08, 1.6708e-03],
[2.4396e+00, 3.7600e-03, 2.5457e-01],
[4.7213e-01, 7.7712e-05, 3.9940e-02],
[6.4472e-02, 1.8368e-06, 9.2387e-03],
[2.2641e-02, 4.3556e-08, 3.4231e-03],
[7.4277e+01, 1.0333e+00, 1.7701e+00],
[5.1148e+01, 3.2484e-02, 1.3944e+00],
[7.2862e+01, 7.5491e-01, 1.5723e+00],
[2.1602e+01, 1.3653e-01, 1.0043e+00],
[9.8857e-01, 2.2444e-04, 7.5858e-02],
[2.2971e+00, 2.2260e-04, 2.2667e-01],
[3.6986e-02, 1.1340e-06, 5.1707e-03],
[7.0882e+01, 4.8098e-01, 3.6980e+00],
[1.0852e+00, 3.0925e-04, 1.0242e-01]], dtype=torch.float64)
Iteration: 48
Inputs: tensor([[2.4942e+18, 5.8130e+01, 2.7089e+00, 1.5672e+00],
[1.5536e+19, 2.7968e+02, 1.3896e+01, 9.1236e+00],
[1.2279e+18, 3.5242e+02, 4.3240e+00, 5.7540e+00],
...,
[1.6241e+19, 2.8118e+02, 1.7006e+01, 4.9929e+00],
[3.7417e+20, 3.7998e+02, 2.0626e+00, 2.2410e+00],
[8.7514e+20, 2.8843e+02, 1.1235e+01, 6.8659e+00]], dtype=torch.float64)
Target: tensor([[1.9452e-02, 1.6628e-08, 2.9215e-03],
[5.3985e+00, 1.0589e-02, 3.2343e-01],
[3.3121e-01, 1.4229e-05, 2.8504e-02],
[4.9890e+01, 7.7721e-01, 1.3710e+00],
[4.5990e-01, 1.0017e-04, 4.3803e-02],
[2.5357e+01, 2.3150e-02, 1.4242e+00],
[2.5357e+00, 1.8481e-03, 1.8467e-01],
[7.6268e-01, 1.3669e-04, 7.6959e-02],
[3.0230e+01, 1.0177e-01, 1.6911e+00],
[1.6483e+01, 4.2766e-02, 1.1091e+00],
[8.9020e+00, 2.2033e-02, 4.1717e-01],
[5.6182e+01, 2.0442e-01, 1.8679e+00],

```



[2.2270e+01, 3.2062e-02, 5.4155e-01],  
 [4.2403e+01, 9.6563e-02, 2.1298e+00],  
 [1.2363e+01, 1.2877e-02, 4.5679e-01],  
 [1.4352e-02, 1.3038e-07, 2.0951e-03],  
 [9.7864e+01, 1.7966e-01, 3.5483e+00],  
 [3.0742e+02, 3.7160e+00, 4.9609e+00],  
 [1.2280e+00, 4.0489e-04, 9.5517e-02],  
 [3.7129e-01, 7.3492e-05, 3.9495e-02],  
 [5.3115e+01, 6.0853e-02, 1.2579e+00],  
 [5.6706e-01, 1.0473e-04, 5.6989e-02],  
 [2.3666e+02, 6.1889e+00, 3.8385e+00],  
 [4.6038e+01, 4.8900e-01, 1.5733e+00],  
 [2.2941e-02, 3.6062e-07, 3.4867e-03],  
 [6.2705e+01, 7.3366e-01, 2.5663e+00],  
 [2.7487e-02, 6.1117e-07, 4.1654e-03],  
 [2.9507e-01, 8.6649e-06, 2.9085e-02],  
 [1.9018e+01, 3.2522e-02, 8.4545e-01],  
 [3.9457e-02, 1.5476e-07, 5.8133e-03],  
 [4.1427e-02, 8.4996e-07, 5.7109e-03],  
 [1.9707e+00, 6.7484e-03, 2.5280e-01],  
 [9.3883e+00, 5.6030e-03, 5.2223e-01],  
 [2.5722e+02, 2.3216e+00, 3.9484e+00],  
 [1.7557e+02, 2.3255e+00, 4.0212e+00],  
 [1.7169e-01, 2.5072e-06, 2.2688e-02],  
 [2.4601e-01, 5.7491e-07, 2.3099e-02],  
 [1.1556e+02, 7.0442e-01, 2.8335e+00],  
 [8.0923e-01, 4.2410e-04, 7.1313e-02],  
 [3.3778e+01, 1.5494e-01, 9.6660e-01],  
 [6.4468e+01, 3.9908e-01, 2.8588e+00],  
 [7.0197e+00, 8.6238e-04, 3.8272e-01],  
 [2.2886e+01, 4.2457e-02, 8.0846e-01],  
 [6.6285e+00, 1.9297e-03, 3.7026e-01],  
 [1.2428e+02, 3.0061e+00, 3.1440e+00],  
 [1.7900e+02, 8.0128e-01, 3.6739e+00],  
 [1.8057e+00, 1.5113e-03, 1.6706e-01],  
 [3.4999e-01, 5.0673e-05, 4.5329e-02],  
 [2.3946e+01, 3.3450e-02, 8.6544e-01],  
 [1.5262e+00, 3.1922e-04, 1.2647e-01],  
 [6.7625e+01, 6.4748e-01, 1.9874e+00],  
 [1.8654e+00, 8.4469e-04, 1.3695e-01],  
 [1.1179e+01, 5.0415e-03, 9.3396e-01],  
 [6.1433e+01, 6.3136e-01, 2.4497e+00],  
 [1.3451e-02, 1.6504e-08, 2.1069e-03],  
 [2.0303e+02, 3.4749e+00, 3.9884e+00],  
 [1.0545e+00, 6.5600e-04, 8.7339e-02],  
 [4.1479e+00, 5.0401e-03, 2.6253e-01],  
 [1.8858e+00, 3.6211e-04, 1.0770e-01],  
 [5.7686e+00, 4.5353e-03, 3.2398e-01],

[1.1974e+02, 7.7387e-01, 2.8021e+00],  
 [4.6177e+00, 9.3934e-03, 4.2047e-01],  
 [5.2196e-02, 7.5894e-07, 6.9774e-03],  
 [1.6727e+02, 8.4485e+00, 3.9349e+00],  
 [3.2942e+01, 1.3526e-01, 1.6070e+00],  
 [2.4002e-01, 5.5074e-06, 3.1501e-02],  
 [5.4437e-02, 8.5017e-07, 7.5702e-03],  
 [2.9403e+01, 2.0595e-01, 2.1724e+00],  
 [1.1813e-02, 1.8975e-07, 1.8401e-03],  
 [2.7121e-01, 1.2758e-05, 3.3402e-02],  
 [1.4063e+02, 7.9390e-01, 3.2515e+00],  
 [6.6204e-01, 5.6559e-05, 6.4320e-02],  
 [7.0671e-01, 1.0981e-04, 9.4136e-02],  
 [1.1235e+02, 3.3328e+00, 3.3272e+00],  
 [1.4686e+02, 3.1816e+00, 4.0397e+00],  
 [8.1731e+01, 1.0655e-01, 2.4116e+00],  
 [4.3416e-01, 8.6581e-05, 5.1669e-02],  
 [5.2455e+00, 1.4282e-02, 4.0203e-01],  
 [8.5063e-01, 5.1967e-05, 8.2593e-02],  
 [1.8864e+01, 1.0417e-02, 1.3954e+00],  
 [2.6732e+01, 6.8977e-02, 1.1081e+00],  
 [3.4296e+01, 4.2105e-01, 1.7439e+00],  
 [9.0383e+01, 8.2131e-01, 2.8661e+00],  
 [1.2516e-01, 7.6815e-06, 1.6953e-02],  
 [1.7874e+00, 7.9513e-05, 1.8259e-01],  
 [4.0003e+01, 3.1355e-02, 2.5933e+00],  
 [9.7023e+00, 2.8868e-02, 6.1310e-01],  
 [7.3516e-01, 8.9080e-05, 6.4530e-02],  
 [5.3910e-01, 4.9524e-05, 5.3807e-02],  
 [1.1696e+00, 1.3927e-04, 1.3270e-01],  
 [2.7209e-01, 2.5397e-05, 2.9961e-02],  
 [6.0804e+00, 6.7986e-03, 3.0523e-01],  
 [3.1616e+00, 6.6159e-03, 2.8175e-01],  
 [3.8344e-01, 7.5899e-05, 3.9033e-02],  
 [3.1386e+01, 7.2750e-02, 9.4603e-01],  
 [4.0700e-01, 9.3433e-06, 4.9900e-02],  
 [2.3347e-01, 1.6338e-05, 2.7420e-02],  
 [2.9849e+01, 1.3782e-01, 8.2254e-01],  
 [2.2288e+01, 2.2134e-01, 1.0230e+00],  
 [6.9119e+00, 7.3449e-03, 4.5408e-01],  
 [5.5548e+00, 7.9085e-03, 6.7936e-01],  
 [2.9527e+02, 5.0017e+00, 4.5319e+00],  
 [2.9997e-01, 4.4709e-05, 3.5386e-02],  
 [4.4171e-02, 2.1866e-06, 6.0229e-03],  
 [1.2803e+00, 7.1618e-04, 1.2723e-01],  
 [2.6074e+00, 7.5802e-04, 2.2736e-01],  
 [2.3910e-01, 1.8153e-05, 2.6865e-02],  
 [7.3052e+01, 6.3501e-02, 2.7353e+00],

[7.8877e-01, 1.2086e-04, 5.2441e-02],  
 [3.0376e+01, 7.7250e-02, 2.4396e+00],  
 [2.9148e-01, 6.1142e-05, 3.0826e-02],  
 [1.7474e+00, 2.1905e-04, 1.2465e-01],  
 [2.0633e+00, 3.6406e-03, 2.2747e-01],  
 [5.7751e+00, 1.4407e-02, 5.9207e-01],  
 [1.7185e+02, 2.9881e+00, 4.3164e+00],  
 [6.0112e-01, 1.8132e-04, 6.1521e-02],  
 [3.1889e+01, 3.5560e-01, 1.6447e+00],  
 [1.0569e+02, 2.7050e+00, 2.7952e+00],  
 [2.6197e+00, 2.2107e-03, 3.3881e-01],  
 [6.3036e-01, 2.7767e-04, 8.2588e-02],  
 [1.6680e-01, 4.6192e-06, 1.7412e-02],  
 [1.3054e+02, 3.9995e+00, 3.0931e+00],  
 [4.4048e+01, 8.9828e-02, 1.9887e+00],  
 [9.4413e+01, 9.6457e-01, 4.0008e+00],  
 [9.2249e+00, 1.7152e-02, 5.1591e-01],  
 [5.6563e+01, 4.7411e-01, 2.1100e+00],  
 [1.1944e+02, 9.7706e-01, 3.6723e+00],  
 [2.1093e+00, 1.8386e-03, 1.4569e-01],  
 [8.5803e+00, 2.0011e-03, 3.1182e-01],  
 [1.3919e+01, 3.5110e-02, 7.8239e-01],  
 [3.2540e+02, 1.3700e+01, 4.8321e+00],  
 [4.0734e+00, 1.0192e-03, 3.9359e-01],  
 [7.5132e-01, 6.3174e-05, 8.1379e-02],  
 [9.1698e+00, 9.1582e-03, 3.9905e-01],  
 [5.9912e+01, 1.2607e+00, 3.3878e+00],  
 [3.4698e+01, 1.3148e-01, 1.7748e+00],  
 [5.4638e+01, 7.3995e-01, 1.8637e+00],  
 [1.6753e+02, 4.9057e+00, 4.0748e+00],  
 [8.5588e+01, 1.4455e+00, 2.8197e+00],  
 [1.0846e+02, 1.1487e-01, 2.3214e+00],  
 [8.0031e+01, 3.7688e-01, 3.5909e+00],  
 [8.1715e-01, 1.7895e-04, 8.1644e-02],  
 [2.8091e-01, 2.5097e-06, 3.3158e-02],  
 [5.2107e+01, 4.0557e-01, 2.0246e+00],  
 [2.4547e+01, 9.3605e-02, 1.3944e+00],  
 [2.6288e+01, 4.3513e-02, 1.7411e+00],  
 [2.6921e+00, 2.7511e-04, 1.4194e-01],  
 [1.3789e+01, 6.2235e-02, 7.0390e-01],  
 [2.1052e+01, 1.9734e-01, 8.4417e-01],  
 [1.9991e-01, 1.8133e-05, 2.4278e-02],  
 [1.6215e+01, 5.0339e-02, 6.0982e-01],  
 [1.6310e+02, 7.8143e-01, 2.6729e+00],  
 [2.6473e+02, 8.3577e+00, 4.3493e+00],  
 [5.4887e+01, 9.4419e-01, 2.9816e+00],  
 [6.3179e+00, 1.6744e-02, 3.9817e-01],  
 [4.4464e+01, 1.1919e-01, 1.8159e+00],

[2.1031e+02, 3.1236e+00, 3.2570e+00],  
 [9.6472e+01, 2.2058e+00, 4.2166e+00],  
 [5.0631e-01, 1.8359e-05, 6.0802e-02],  
 [3.7264e-01, 3.3106e-05, 3.6592e-02],  
 [2.3437e+00, 2.5293e-03, 1.9280e-01],  
 [1.5969e+01, 7.4696e-03, 6.1998e-01],  
 [7.9302e-02, 1.8843e-06, 1.1674e-02],  
 [4.3401e+01, 1.1003e-02, 1.6315e+00],  
 [1.1052e+02, 2.1326e+00, 3.5079e+00],  
 [2.2918e-01, 1.5718e-05, 2.8582e-02],  
 [2.7669e+01, 3.2043e-02, 1.9811e+00],  
 [1.5082e+02, 2.1461e+00, 2.6086e+00],  
 [1.1473e+02, 1.2335e+00, 2.4758e+00],  
 [4.5781e+01, 4.2202e-02, 1.1933e+00],  
 [2.0120e+01, 3.5949e-02, 1.1411e+00],  
 [3.1789e-02, 6.3977e-07, 4.5278e-03],  
 [3.1765e+00, 1.1428e-03, 3.9187e-01],  
 [4.5471e+01, 1.6760e-01, 2.3194e+00],  
 [8.1163e+00, 2.0452e-02, 6.1881e-01],  
 [7.1584e+01, 9.1371e-02, 1.4929e+00],  
 [4.7878e+01, 6.7919e-01, 1.6214e+00],  
 [1.2619e+01, 2.4917e-02, 8.6118e-01],  
 [1.8111e-02, 1.8158e-07, 2.8469e-03],  
 [2.0844e+01, 7.1478e-02, 1.7045e+00],  
 [2.1580e+02, 1.1900e+01, 4.8864e+00],  
 [1.3797e-01, 1.2177e-05, 1.6244e-02],  
 [3.4144e-01, 5.3329e-05, 3.7174e-02],  
 [7.0910e+00, 4.2534e-03, 5.0581e-01],  
 [8.7736e-01, 9.6682e-05, 8.4510e-02],  
 [7.6606e+00, 4.8491e-02, 6.5098e-01],  
 [1.1060e+02, 6.8487e-01, 2.1326e+00],  
 [1.8913e+01, 6.7615e-02, 1.0908e+00],  
 [1.0807e-01, 1.0578e-06, 1.4103e-02],  
 [1.3522e+02, 1.2295e+00, 2.5551e+00],  
 [2.2452e+00, 7.4145e-04, 2.0417e-01],  
 [5.6966e-01, 1.5199e-04, 4.8313e-02],  
 [2.5093e+01, 1.1807e-01, 8.1380e-01],  
 [1.5390e+00, 5.4148e-04, 1.2446e-01],  
 [1.8807e+01, 6.3827e-03, 5.4760e-01],  
 [1.3966e+02, 2.8880e+00, 3.9884e+00],  
 [2.1968e+01, 4.4400e-02, 1.4434e+00],  
 [1.2801e+02, 1.4937e+00, 4.0171e+00],  
 [2.4278e+02, 8.2480e+00, 3.7881e+00],  
 [9.7270e-01, 7.1306e-04, 1.1348e-01],  
 [2.5436e+01, 1.8073e-01, 8.9023e-01],  
 [1.4124e-03, 4.8514e-10, 2.2828e-04],  
 [9.8117e+00, 3.0837e-02, 5.2984e-01],  
 [5.8384e+00, 1.1593e-02, 7.2043e-01],

[1.7250e+01, 4.1917e-02, 6.8763e-01],  
 [5.2946e+00, 6.3297e-03, 4.2155e-01],  
 [1.0897e+00, 2.2396e-04, 1.3894e-01],  
 [6.8137e+00, 4.1504e-03, 8.1395e-01],  
 [1.2489e-02, 8.7062e-08, 1.8853e-03],  
 [8.5582e+01, 9.5899e-01, 2.6364e+00],  
 [9.8811e+00, 3.3401e-02, 7.3228e-01],  
 [7.9202e-03, 1.8885e-08, 1.2129e-03],  
 [4.6421e+01, 7.2187e-01, 1.3962e+00],  
 [4.7447e+01, 3.1011e-01, 1.7609e+00],  
 [1.0448e+01, 2.0779e-02, 3.9514e-01],  
 [4.0273e+01, 4.4997e-02, 2.9312e+00],  
 [5.3243e-02, 1.8382e-06, 7.3024e-03],  
 [1.8033e-01, 1.7553e-05, 2.1831e-02],  
 [9.8501e-02, 1.1485e-06, 1.3436e-02],  
 [1.0295e+02, 3.4345e+00, 3.1647e+00],  
 [3.1244e+00, 3.2717e-04, 1.9461e-01],  
 [1.1805e+00, 2.2845e-04, 1.0830e-01],  
 [1.8877e+02, 3.7083e+00, 4.3363e+00],  
 [7.0625e+01, 1.5336e-01, 3.2239e+00],  
 [2.0421e-01, 6.5678e-06, 2.5528e-02],  
 [7.1268e+01, 6.5941e-01, 2.6294e+00],  
 [2.4087e+01, 6.4914e-02, 8.6813e-01],  
 [1.2765e-01, 2.0223e-05, 1.8986e-02],  
 [7.1205e+01, 1.2405e+00, 3.0178e+00],  
 [7.2040e-01, 1.0587e-03, 9.6033e-02],  
 [4.2482e+01, 6.2077e-02, 1.9773e+00],  
 [1.2419e+01, 1.6583e-02, 4.4201e-01],  
 [3.7334e+01, 1.3487e-01, 1.1006e+00],  
 [4.4359e+01, 1.1534e-01, 1.4691e+00],  
 [2.1585e+01, 7.2016e-02, 1.5828e+00],  
 [8.8394e+01, 1.1826e+00, 3.3077e+00],  
 [1.1516e+01, 1.5018e-02, 6.3692e-01],  
 [8.0539e+01, 1.2569e-01, 1.7289e+00],  
 [4.3403e-01, 3.6504e-05, 6.5185e-02],  
 [1.1575e-02, 1.1551e-07, 1.7133e-03],  
 [1.1220e+00, 1.6287e-04, 8.6028e-02],  
 [1.0825e+02, 1.2772e+00, 2.2235e+00],  
 [3.2354e+00, 1.2287e-03, 2.4030e-01],  
 [2.0847e-02, 1.4859e-07, 3.3298e-03],  
 [1.5388e+00, 1.7750e-03, 1.8339e-01],  
 [2.3995e+01, 2.4333e-01, 1.5623e+00],  
 [1.6730e+01, 3.4682e-02, 6.1267e-01],  
 [1.7014e+02, 8.7598e-01, 2.9818e+00],  
 [4.8288e+01, 4.4990e-01, 1.2970e+00],  
 [1.5071e-01, 5.9271e-06, 1.5969e-02],  
 [5.9289e-01, 1.1351e-04, 6.8552e-02],  
 [8.8240e-01, 1.7901e-04, 9.4201e-02],

[7.9070e+01, 1.3435e+00, 2.5307e+00],  
 [3.6824e+01, 3.3796e-01, 1.1718e+00],  
 [2.4800e+00, 4.3768e-04, 1.6221e-01],  
 [7.2987e+01, 1.8240e+00, 2.0477e+00],  
 [3.2647e-01, 4.5748e-05, 3.0172e-02],  
 [1.9497e-01, 7.8520e-06, 2.4769e-02],  
 [4.9886e+01, 2.7004e-01, 1.3266e+00],  
 [9.9897e+01, 1.4914e+00, 3.3747e+00],  
 [1.2634e+02, 2.5191e+00, 4.4495e+00],  
 [1.3353e+00, 1.6837e-03, 1.5646e-01],  
 [5.0800e-01, 8.9867e-05, 4.7860e-02],  
 [6.5938e-01, 5.5036e-05, 7.0462e-02],  
 [1.0158e+01, 1.1278e-02, 4.4940e-01],  
 [2.0057e+02, 7.8907e+00, 4.3103e+00],  
 [1.6826e+00, 4.6994e-04, 1.5190e-01],  
 [2.0298e+01, 3.9799e-02, 6.6133e-01],  
 [4.0442e-02, 9.1030e-07, 5.3771e-03],  
 [1.0046e+01, 2.6926e-02, 6.4401e-01],  
 [1.3064e+02, 1.2330e+00, 2.7298e+00],  
 [4.8366e-01, 2.8835e-05, 3.7187e-02],  
 [5.9618e-01, 1.2746e-04, 6.2573e-02],  
 [3.1918e-02, 2.4021e-07, 4.7298e-03],  
 [5.3588e-03, 1.1754e-08, 8.2556e-04],  
 [9.4726e+00, 4.1518e-02, 5.2663e-01],  
 [1.6013e+02, 7.4102e-01, 4.7551e+00],  
 [3.0599e+00, 1.9802e-03, 3.9080e-01],  
 [1.0139e+01, 2.6848e-02, 5.5888e-01],  
 [1.1029e+02, 1.6215e-01, 2.7919e+00],  
 [1.3886e+00, 4.2681e-04, 8.7610e-02],  
 [2.4038e+01, 2.4666e-02, 1.4406e+00],  
 [2.4906e-01, 1.0621e-05, 3.1888e-02],  
 [1.7642e-01, 1.6241e-05, 2.3556e-02],  
 [2.6233e+00, 1.0032e-03, 2.2254e-01],  
 [1.8866e+00, 5.3954e-04, 1.6681e-01],  
 [7.3964e-01, 6.9459e-05, 8.1131e-02],  
 [3.6629e+01, 9.8751e-02, 1.0765e+00],  
 [1.2685e-02, 3.7551e-08, 1.9740e-03],  
 [1.3841e+01, 3.7155e-02, 6.5677e-01],  
 [1.1876e+02, 9.9504e-02, 2.4501e+00],  
 [1.9612e+02, 2.6024e+00, 4.5830e+00],  
 [3.4949e+02, 1.5406e+01, 4.9851e+00],  
 [8.6135e-01, 1.6841e-04, 6.6369e-02],  
 [8.9764e-02, 3.9001e-06, 1.1891e-02],  
 [3.2059e+00, 1.5080e-03, 2.8955e-01],  
 [7.5345e-01, 7.8321e-05, 8.3972e-02],  
 [3.7979e-01, 4.4014e-05, 3.5257e-02],  
 [1.7543e-02, 6.2621e-08, 2.5454e-03],  
 [1.6663e+01, 4.5008e-02, 5.1852e-01],

```

[3.8535e+00, 1.2254e-03, 2.3948e-01],
[1.7701e+00, 9.1362e-04, 1.4769e-01],
[4.0128e-01, 7.7758e-05, 4.8343e-02],
[5.0014e-01, 1.0572e-04, 4.2379e-02],
[2.6577e-01, 5.1949e-05, 3.7035e-02],
[1.4740e+00, 5.8502e-04, 1.1287e-01],
[7.0427e+01, 6.8678e-01, 1.6091e+00],
[1.5191e+02, 5.3540e-01, 2.8861e+00],
[1.3827e+02, 2.0280e-01, 2.6758e+00],
[2.7760e+01, 2.2481e-01, 1.0060e+00],
[5.8444e+00, 7.4635e-04, 4.2320e-01],
[9.0657e+01, 1.7291e+00, 3.8504e+00],
[2.0673e+00, 9.4501e-04, 2.5761e-01],
[6.2895e-01, 1.0050e-04, 6.3071e-02],
[6.2700e-01, 1.6050e-04, 5.8646e-02],
[6.4083e+00, 1.0502e-02, 4.7500e-01],
[3.7897e+00, 1.7770e-03, 2.1736e-01],
[2.9297e+00, 2.3589e-03, 2.3779e-01],
[1.4049e+02, 2.0682e-01, 3.0194e+00],
[1.7311e+02, 4.1935e+00, 4.6095e+00]], dtype=torch.float64)
Iteration: 49
Inputs: tensor([[9.6813e+19, 2.2741e+02, 1.3715e+00, 3.3158e+00],
               [9.8226e+19, 2.9404e+02, 4.2316e+00, 2.6419e+00],
               [2.5926e+18, 5.3675e+01, 1.5660e+01, 1.7628e+00],
               ...,
               [2.2232e+18, 1.1050e+02, 3.1427e+00, 5.2811e+00],
               [7.9787e+20, 2.2079e+02, 1.4023e+01, 6.1637e+00],
               [2.0617e+18, 4.7847e+01, 9.6224e+00, 5.9028e+00]], dtype=torch.float64)
Target: tensor([[4.7443e+01, 4.6122e-02, 1.3693e+00],
               [3.7501e+01, 3.6697e-02, 1.3178e+00],
               [1.4215e-03, 4.9431e-10, 2.3061e-04],
               [1.1987e+01, 1.7684e-02, 1.2537e+00],
               [3.2451e+01, 4.4493e-01, 1.4040e+00],
               [1.4200e+01, 4.2552e-03, 7.4974e-01],
               [9.5661e-01, 1.0943e-04, 5.6639e-02],
               [4.8470e-01, 2.9073e-05, 5.9861e-02],
               [2.2455e+01, 1.7518e-02, 1.2165e+00],
               [1.7512e+00, 2.5053e-03, 1.9272e-01],
               [2.2343e+01, 2.2954e-02, 8.1680e-01],
               [2.1205e+00, 1.5355e-04, 1.2569e-01],
               [3.8348e+00, 1.3384e-03, 1.6431e-01],
               [8.6693e+00, 9.5088e-03, 6.4863e-01],
               [2.1522e+02, 3.5273e+00, 4.6991e+00],
               [5.1093e-01, 1.1378e-04, 4.5920e-02],
               [4.0626e+01, 1.1292e-01, 1.4578e+00],
               [1.0052e+00, 7.0798e-04, 1.1005e-01],
               [9.0778e-03, 9.5506e-09, 1.3639e-03],
               [1.2431e+00, 6.3972e-04, 1.5509e-01],

```

[2.9016e-01, 5.7524e-06, 3.6728e-02],  
 [2.0817e+01, 8.5432e-02, 1.1286e+00],  
 [2.7179e+00, 1.1744e-03, 1.9525e-01],  
 [1.2530e+01, 8.6656e-03, 1.1101e+00],  
 [1.8055e+00, 8.5907e-04, 1.4472e-01],  
 [1.3807e+01, 7.9931e-03, 5.4414e-01],  
 [3.2315e+00, 4.3072e-03, 2.5048e-01],  
 [8.7268e+01, 5.4596e-01, 2.9029e+00],  
 [1.8282e+02, 4.2514e+00, 3.4605e+00],  
 [8.7385e-01, 2.1268e-04, 8.0149e-02],  
 [8.5706e+01, 1.1601e+00, 2.4965e+00],  
 [5.8392e+00, 8.3425e-03, 4.0392e-01],  
 [9.0669e+01, 3.7844e-01, 1.8070e+00],  
 [7.5544e+01, 1.7441e+00, 3.4373e+00],  
 [2.9943e-01, 1.0466e-05, 3.9011e-02],  
 [1.3937e+00, 3.6723e-04, 1.1434e-01],  
 [5.8546e-01, 1.7573e-05, 4.3843e-02],  
 [1.2225e+02, 2.3000e+00, 3.7348e+00],  
 [2.2999e-01, 4.6120e-06, 3.0975e-02],  
 [4.4117e+00, 7.1480e-03, 3.1688e-01],  
 [2.3378e-01, 5.1333e-06, 2.1648e-02],  
 [8.1745e+00, 1.8443e-02, 5.1209e-01],  
 [1.7575e+01, 2.2355e-02, 1.1776e+00],  
 [5.8137e+01, 1.5458e-01, 2.0272e+00],  
 [1.8740e-01, 1.4222e-05, 2.3011e-02],  
 [1.1307e+01, 2.2962e-02, 9.1263e-01],  
 [1.8898e+02, 5.2415e+00, 4.6131e+00],  
 [4.6257e+01, 2.8945e-01, 1.6333e+00],  
 [1.6550e+02, 2.7299e-01, 4.6168e+00],  
 [1.3959e-01, 1.3392e-05, 1.5315e-02],  
 [8.4661e-02, 3.4383e-06, 1.0376e-02],  
 [4.8913e-01, 3.2191e-05, 6.8010e-02],  
 [8.5600e-01, 2.7302e-04, 6.7872e-02],  
 [1.1574e-02, 8.5175e-08, 1.7331e-03],  
 [9.2660e+00, 1.3226e-02, 4.7005e-01],  
 [4.0088e+01, 1.8381e-01, 1.2994e+00],  
 [2.7769e+01, 9.9139e-02, 1.3884e+00],  
 [8.1782e-01, 2.0853e-04, 8.3121e-02],  
 [3.0289e+00, 2.9394e-03, 2.2560e-01],  
 [1.7855e+02, 6.2381e+00, 3.5737e+00],  
 [7.2827e+00, 5.9132e-03, 3.2340e-01],  
 [9.3805e+00, 4.0139e-03, 4.6536e-01],  
 [1.1515e+02, 1.6527e+00, 2.6377e+00],  
 [7.3395e+00, 2.6669e-02, 6.0314e-01],  
 [5.9014e+00, 1.2745e-02, 4.6509e-01],  
 [1.6505e-01, 1.3267e-05, 2.3413e-02],  
 [4.2132e+00, 1.1080e-03, 2.1906e-01],  
 [1.5472e+02, 2.8483e+00, 3.6360e+00],



[1.9955e+01, 1.7517e-01, 1.0859e+00],  
 [4.6596e+01, 4.5101e-01, 1.2139e+00],  
 [7.3873e+01, 1.5867e+00, 2.3058e+00],  
 [3.3851e+01, 2.3219e-01, 1.1903e+00],  
 [7.6788e-01, 2.2815e-04, 8.0395e-02],  
 [9.4716e-01, 6.5545e-05, 5.4431e-02],  
 [4.5104e+01, 1.1133e-01, 1.4614e+00],  
 [6.9175e+01, 8.7846e-01, 1.5657e+00],  
 [3.8635e-01, 1.3787e-04, 5.3261e-02],  
 [7.3912e-01, 1.2952e-04, 6.2047e-02],  
 [1.5274e+02, 3.1278e+00, 2.9256e+00],  
 [6.2823e+01, 9.9944e-02, 2.6585e+00],  
 [9.5562e+01, 1.5985e+00, 3.4458e+00],  
 [3.1956e+01, 2.1049e-01, 1.4682e+00],  
 [2.7078e-01, 3.5102e-05, 3.3831e-02],  
 [9.8084e+01, 4.4364e-01, 2.9833e+00],  
 [1.8613e+00, 3.0025e-03, 1.9188e-01],  
 [9.4607e+01, 8.1852e-01, 2.2512e+00],  
 [5.4073e+00, 3.3654e-03, 3.6494e-01],  
 [1.6299e+00, 2.2485e-04, 1.6013e-01],  
 [1.1418e+02, 2.2844e+00, 3.2219e+00],  
 [6.7088e+01, 5.1477e-01, 2.2522e+00],  
 [3.5125e-01, 1.2897e-05, 4.8631e-02],  
 [1.0769e+00, 1.6378e-04, 1.1075e-01],  
 [4.5614e+01, 1.9485e-01, 1.6764e+00],  
 [4.6006e-02, 1.7962e-06, 6.8969e-03],  
 [2.6663e+01, 2.4706e-01, 1.2079e+00],  
 [5.1413e+01, 3.0318e-01, 1.9569e+00],  
 [2.6405e-01, 1.9797e-05, 3.1903e-02],  
 [1.4908e+00, 2.3622e-04, 1.1227e-01],  
 [2.9685e+00, 2.9578e-03, 3.0928e-01],  
 [9.8506e+00, 8.0052e-03, 4.2908e-01],  
 [6.2604e+00, 1.8292e-03, 3.8286e-01],  
 [9.8683e-01, 9.7533e-05, 7.2401e-02],  
 [2.8211e+00, 2.6421e-03, 2.0283e-01],  
 [6.5173e+01, 2.1414e-01, 3.3898e+00],  
 [3.8561e+01, 1.0354e-01, 1.4799e+00],  
 [4.9232e-01, 3.0517e-05, 5.5378e-02],  
 [3.3908e+01, 1.7593e-01, 1.5455e+00],  
 [1.0251e-01, 5.5073e-07, 1.2974e-02],  
 [9.4314e+01, 7.9971e-01, 2.1639e+00],  
 [1.6687e+00, 7.9036e-04, 1.3450e-01],  
 [2.4760e-02, 2.1336e-07, 3.5902e-03],  
 [2.7445e-01, 2.4626e-05, 2.5014e-02],  
 [4.4784e+00, 1.6072e-03, 2.3472e-01],  
 [1.7680e-02, 1.6709e-07, 2.6578e-03],  
 [2.1463e+00, 1.4333e-03, 1.6454e-01],  
 [7.6864e-01, 9.3747e-05, 6.3706e-02],

[4.1235e+01, 8.4654e-02, 8.5798e-01],  
 [8.2203e+00, 2.0816e-02, 5.2483e-01],  
 [4.7190e+00, 2.1588e-02, 4.5834e-01],  
 [4.2576e-01, 9.0462e-05, 4.4636e-02],  
 [3.5909e+01, 1.4066e-01, 1.5212e+00],  
 [5.4458e+00, 5.1562e-03, 3.3217e-01],  
 [2.2321e+01, 1.5426e-01, 1.4922e+00],  
 [9.1808e+00, 4.9811e-03, 7.5436e-01],  
 [1.5796e+02, 2.0905e+00, 2.7494e+00],  
 [3.8937e+01, 2.5591e-01, 1.1349e+00],  
 [1.5848e-01, 2.6615e-06, 1.9663e-02],  
 [2.2363e+01, 2.9070e-01, 1.4951e+00],  
 [4.8119e+00, 4.0535e-03, 3.1303e-01],  
 [4.6109e+00, 3.6906e-03, 3.7170e-01],  
 [4.8111e+01, 7.4678e-01, 1.3858e+00],  
 [7.0203e+01, 3.4007e-01, 1.3508e+00],  
 [6.5112e+01, 2.0789e-01, 2.6105e+00],  
 [1.5922e+01, 6.6678e-02, 6.6516e-01],  
 [8.9878e+01, 2.0817e+00, 2.6927e+00],  
 [4.6480e-01, 6.4120e-05, 4.6776e-02],  
 [9.1107e-02, 9.8091e-07, 1.0869e-02],  
 [7.6608e+01, 8.4188e-01, 2.5960e+00],  
 [5.9633e-01, 1.3651e-04, 6.2778e-02],  
 [1.8600e-01, 9.3316e-06, 2.0628e-02],  
 [1.6568e-02, 2.6733e-08, 2.5508e-03],  
 [3.7457e-01, 1.2732e-04, 4.1563e-02],  
 [3.8597e-01, 2.0830e-05, 3.7239e-02],  
 [1.9980e+00, 5.1939e-04, 2.2450e-01],  
 [1.0181e+00, 4.8389e-04, 1.0421e-01],  
 [1.8868e+01, 5.8895e-02, 7.1524e-01],  
 [1.0650e+02, 5.8423e-01, 2.0318e+00],  
 [2.8714e-02, 1.4504e-07, 3.9545e-03],  
 [7.1760e+01, 3.1032e-01, 1.8063e+00],  
 [2.6522e+00, 1.2277e-03, 1.4817e-01],  
 [9.8773e+00, 1.1129e-03, 5.2019e-01],  
 [4.2005e-03, 8.5796e-09, 6.5653e-04],  
 [2.7564e-01, 6.2290e-06, 3.4251e-02],  
 [8.5868e+00, 5.6244e-03, 6.5001e-01],  
 [6.5116e-02, 8.5634e-06, 9.7350e-03],  
 [1.3917e+00, 3.5821e-04, 1.1475e-01],  
 [2.9668e+01, 2.2721e-01, 1.0390e+00],  
 [2.3423e+00, 4.9299e-04, 2.1602e-01],  
 [1.1195e+01, 1.1508e-02, 9.2364e-01],  
 [2.6834e+00, 1.6202e-03, 1.8243e-01],  
 [1.6684e-01, 2.1203e-06, 1.9274e-02],  
 [2.5146e+01, 4.8545e-02, 1.5300e+00],  
 [5.7496e+00, 7.5096e-03, 3.3728e-01],  
 [1.2103e+02, 1.0985e+00, 2.7267e+00],

[1.6281e+02, 5.5706e+00, 4.7166e+00],  
 [4.4850e-01, 1.4824e-04, 4.7882e-02],  
 [1.0428e+00, 2.1099e-04, 1.1121e-01],  
 [4.3195e+01, 3.7276e-01, 1.0823e+00],  
 [8.5901e+00, 8.9197e-04, 4.0709e-01],  
 [6.9652e+01, 1.6701e+00, 2.5093e+00],  
 [6.2826e+01, 3.3496e-01, 1.9270e+00],  
 [2.4837e+01, 1.0922e-01, 1.3148e+00],  
 [1.3223e-01, 7.8190e-06, 1.5960e-02],  
 [2.7225e+01, 1.5369e-01, 7.5304e-01],  
 [2.4130e+01, 7.1182e-02, 6.4440e-01],  
 [7.2788e-01, 9.0142e-05, 6.9223e-02],  
 [1.2616e+00, 4.0665e-04, 1.7663e-01],  
 [3.6696e+01, 2.1027e-01, 1.2915e+00],  
 [1.8562e+00, 5.0928e-04, 1.8207e-01],  
 [6.8536e-01, 1.2113e-04, 7.2309e-02],  
 [8.0842e-01, 3.4004e-04, 7.9577e-02],  
 [9.3924e-01, 8.7241e-04, 1.1171e-01],  
 [4.3447e+01, 1.0574e-01, 2.8791e+00],  
 [1.1097e+01, 1.7819e-02, 4.0076e-01],  
 [1.4542e+00, 4.8934e-04, 1.5177e-01],  
 [1.9187e+00, 5.0794e-04, 2.0689e-01],  
 [5.2033e+01, 2.6134e-01, 1.0825e+00],  
 [1.6937e+02, 3.0310e+00, 3.3358e+00],  
 [2.7729e+01, 6.7658e-02, 1.9828e+00],  
 [7.1322e+01, 2.5514e-01, 2.1566e+00],  
 [4.0963e+01, 5.7730e-01, 2.6172e+00],  
 [5.3409e-01, 1.6769e-05, 5.8300e-02],  
 [3.8794e+00, 6.9687e-04, 2.9158e-01],  
 [1.2447e+00, 2.3291e-04, 9.6983e-02],  
 [2.7576e-01, 2.9706e-05, 2.6427e-02],  
 [2.4705e+02, 1.3912e+01, 4.9804e+00],  
 [8.4831e+00, 5.8472e-02, 6.6652e-01],  
 [5.1413e+00, 6.0623e-04, 3.3948e-01],  
 [5.8442e+01, 7.1914e-01, 2.0637e+00],  
 [1.0552e+02, 2.1304e+00, 3.5099e+00],  
 [2.1361e+00, 2.2461e-03, 1.7497e-01],  
 [3.5716e-01, 2.6955e-05, 2.9985e-02],  
 [6.8088e-01, 4.5324e-04, 9.3214e-02],  
 [7.0377e+01, 4.8079e-01, 1.9451e+00],  
 [1.5725e+01, 1.1058e-02, 8.2830e-01],  
 [1.9186e+02, 5.5098e+00, 4.9382e+00],  
 [1.0407e+01, 3.7609e-02, 5.3519e-01],  
 [2.2520e+01, 3.1427e-02, 1.5762e+00],  
 [3.3126e-02, 2.2751e-06, 5.1284e-03],  
 [3.2936e+01, 2.2543e-01, 9.9533e-01],  
 [5.5775e+00, 8.3643e-03, 3.0318e-01],  
 [4.9975e-01, 3.8831e-05, 4.7191e-02],

[2.0030e+02, 1.0728e+01, 4.1983e+00],  
 [2.0660e+01, 2.8512e-02, 7.8735e-01],  
 [1.7964e+01, 3.2177e-02, 6.4062e-01],  
 [2.4745e-01, 1.5588e-05, 2.6628e-02],  
 [3.6293e+00, 1.1064e-03, 1.8738e-01],  
 [4.4461e+01, 7.5515e-02, 1.5760e+00],  
 [3.1775e+00, 6.5102e-03, 3.2536e-01],  
 [1.7678e+01, 6.5879e-02, 1.1604e+00],  
 [4.4129e-01, 5.6129e-05, 3.5051e-02],  
 [1.0757e-01, 3.9279e-06, 1.3362e-02],  
 [4.2999e-01, 7.8596e-06, 4.5173e-02],  
 [1.3751e-01, 5.0794e-06, 1.8531e-02],  
 [3.4776e+00, 2.9592e-03, 2.3883e-01],  
 [3.5821e-01, 5.4637e-05, 4.1946e-02],  
 [9.8065e+01, 9.0375e-01, 2.8912e+00],  
 [6.7218e-03, 1.7158e-08, 1.0714e-03],  
 [4.8954e+01, 9.8011e-02, 3.2213e+00],  
 [1.9164e+01, 8.0297e-02, 1.1682e+00],  
 [4.3143e+01, 9.5021e-01, 2.6932e+00],  
 [1.7643e+01, 1.9686e-02, 1.1967e+00],  
 [1.9683e+01, 4.2541e-02, 1.4021e+00],  
 [3.2177e+01, 9.7275e-03, 1.1785e+00],  
 [9.9224e-02, 2.9425e-06, 1.2301e-02],  
 [3.2540e-01, 1.5318e-05, 3.4695e-02],  
 [2.9356e+01, 8.9713e-02, 9.5988e-01],  
 [9.0077e+00, 3.9337e-03, 6.0840e-01],  
 [7.8064e-02, 5.1280e-06, 9.3783e-03],  
 [1.6171e+00, 2.3120e-04, 9.1274e-02],  
 [6.3087e-01, 1.2620e-04, 6.4420e-02],  
 [2.2205e+01, 1.2018e-01, 1.2764e+00],  
 [1.5691e+01, 2.3733e-02, 1.0548e+00],  
 [6.0488e+00, 1.1482e-03, 3.8494e-01],  
 [4.6256e-02, 1.1650e-06, 6.2879e-03],  
 [1.0589e-03, 1.1945e-09, 1.7127e-04],  
 [5.4358e-03, 2.6778e-08, 8.4864e-04],  
 [5.3596e+01, 4.8180e-02, 2.5937e+00],  
 [5.6311e+00, 1.0972e-02, 3.1451e-01],  
 [6.3833e+00, 2.4725e-03, 3.7577e-01],  
 [1.9168e+00, 3.7784e-04, 1.1718e-01],  
 [6.3325e-01, 7.2322e-04, 8.5659e-02],  
 [2.4606e+01, 1.1230e-02, 8.4601e-01],  
 [7.1147e+00, 9.0570e-03, 7.6382e-01],  
 [1.7026e+02, 1.9595e+00, 2.9534e+00],  
 [7.9399e+00, 1.5345e-02, 4.1034e-01],  
 [4.2660e+01, 9.0118e-02, 2.7864e+00],  
 [2.6199e+00, 1.8658e-03, 2.2784e-01],  
 [8.4876e+01, 6.4497e-01, 1.9501e+00],  
 [4.5992e+01, 8.0272e-01, 2.7950e+00],

[1.1873e-01, 3.0358e-06, 1.7554e-02],  
 [2.7274e-02, 5.3169e-07, 4.0132e-03],  
 [5.6051e-04, 2.1271e-10, 9.1648e-05],  
 [1.5953e+02, 5.1274e-01, 2.6616e+00],  
 [1.7909e+01, 2.9974e-02, 7.7681e-01],  
 [6.1772e+00, 3.4994e-03, 3.2161e-01],  
 [3.9940e+01, 5.3666e-01, 1.5506e+00],  
 [2.9691e+01, 7.6891e-02, 2.2739e+00],  
 [9.9562e+00, 2.0219e-02, 5.6919e-01],  
 [3.2077e-03, 2.0532e-09, 5.0517e-04],  
 [1.1709e+01, 1.9621e-02, 3.8290e-01],  
 [7.7937e+01, 8.4423e-01, 1.5601e+00],  
 [9.7279e+01, 4.8495e-01, 3.9499e+00],  
 [3.5629e-01, 2.7081e-06, 3.9560e-02],  
 [6.0541e+01, 1.2650e+00, 1.8447e+00],  
 [1.0961e+02, 1.8909e+00, 2.5965e+00],  
 [3.0979e+00, 1.3119e-03, 2.0635e-01],  
 [5.1360e+01, 1.4774e-01, 1.7743e+00],  
 [8.1546e+01, 6.2876e-01, 2.0847e+00],  
 [7.8181e+00, 4.7501e-03, 4.8399e-01],  
 [2.0364e+00, 1.2543e-03, 1.4987e-01],  
 [5.2108e+01, 4.3059e-02, 1.3064e+00],  
 [3.8578e-02, 1.6715e-07, 5.4941e-03],  
 [5.2406e+00, 4.1520e-03, 5.3178e-01],  
 [1.9699e+02, 2.3667e+00, 3.9420e+00],  
 [1.8624e-01, 2.0126e-06, 2.3295e-02],  
 [8.9040e+01, 1.7141e-01, 2.7930e+00],  
 [9.9171e+00, 2.9098e-02, 5.5579e-01],  
 [9.7236e-01, 1.9066e-04, 1.2322e-01],  
 [2.1617e+02, 6.2994e+00, 4.7437e+00],  
 [3.9173e+01, 6.0769e-02, 1.9384e+00],  
 [2.0934e+00, 2.1189e-03, 2.1497e-01],  
 [4.2791e-02, 7.8445e-07, 5.6942e-03],  
 [1.1887e+00, 1.2206e-03, 1.3440e-01],  
 [9.5545e-04, 2.8605e-10, 1.5610e-04],  
 [7.8369e+00, 1.7404e-02, 3.9316e-01],  
 [5.9207e-02, 2.3962e-06, 7.8129e-03],  
 [4.9161e-01, 6.0725e-05, 4.4154e-02],  
 [4.0411e+00, 6.5636e-03, 3.7564e-01],  
 [2.7460e-01, 4.5278e-06, 3.3687e-02],  
 [5.0786e+01, 1.8572e-01, 1.3380e+00],  
 [2.1796e+01, 3.7794e-03, 7.3342e-01],  
 [1.5737e+01, 7.4404e-02, 8.6150e-01],  
 [6.5189e-01, 3.4726e-05, 7.7023e-02],  
 [9.7185e+00, 1.6351e-02, 5.6218e-01],  
 [9.8866e+00, 6.8207e-02, 6.5597e-01],  
 [3.7873e+00, 3.0418e-03, 3.3824e-01],  
 [2.4072e+01, 7.0111e-02, 6.7691e-01],

```

[8.2112e-01, 2.1339e-04, 8.6515e-02],
[3.0634e+00, 3.5465e-04, 1.9392e-01],
[2.5588e+01, 6.2562e-02, 2.0224e+00],
[2.8026e+01, 2.1665e-02, 1.5154e+00],
[6.9010e+00, 1.0734e-02, 3.3488e-01],
[7.2569e-01, 5.0329e-05, 6.3537e-02],
[4.5054e+01, 3.3060e-01, 1.5959e+00],
[1.8175e+01, 7.1012e-02, 1.5499e+00],
[1.1830e-01, 9.9611e-06, 1.6730e-02],
[1.4725e-01, 3.9089e-06, 1.7842e-02],
[1.1434e+02, 2.1426e+00, 4.1056e+00],
[1.0215e-02, 6.6428e-08, 1.5697e-03]], dtype=torch.float64)
Iteration: 50
Inputs: tensor([[1.5911e+18, 4.7433e+02, 5.5371e+00, 6.4135e+00],
[1.4447e+19, 1.5359e+02, 1.5398e+01, 2.3406e+00],
[4.7117e+20, 3.8148e+01, 6.5944e-01, 3.3923e+00],
...,
[1.9219e+18, 4.2850e+02, 1.3367e+01, 5.5756e+00],
[2.2793e+18, 2.2462e+02, 2.0585e+00, 7.5087e+00],
[1.4909e+18, 4.1181e+02, 6.6684e+00, 5.7648e+00]], dtype=torch.float64)
Target: tensor([[6.6514e-01, 5.7911e-05, 4.7130e-02],
[3.6669e-01, 3.1474e-05, 4.7993e-02],
[3.6164e+01, 4.0966e-02, 2.2871e+00],
[2.1318e+00, 3.8858e-04, 1.1477e-01],
[5.7532e+01, 3.3539e-01, 1.7447e+00],
[9.6539e-02, 3.6193e-06, 1.2619e-02],
[4.4964e+01, 4.9825e-01, 1.4946e+00],
[5.4408e+01, 3.3379e-01, 1.0703e+00],
[2.9578e+02, 1.3686e+01, 4.8774e+00],
[7.1639e-02, 1.8286e-06, 1.0025e-02],
[6.8198e-01, 3.9275e-05, 4.1892e-02],
[5.1738e-01, 1.7373e-04, 4.9720e-02],
[1.2197e+00, 6.7366e-04, 9.4178e-02],
[1.7312e+02, 2.9744e+00, 3.4648e+00],
[5.7523e-02, 7.1394e-07, 7.2547e-03],
[2.8262e-01, 5.5546e-05, 3.0139e-02],
[1.1714e-01, 1.4335e-06, 1.5931e-02],
[6.7920e+01, 8.0056e-01, 1.9673e+00],
[5.8967e+00, 3.0390e-03, 3.2324e-01],
[5.1440e-02, 2.3623e-06, 7.1314e-03],
[1.3491e+01, 2.5717e-02, 1.4194e+00],
[2.9845e-03, 1.5966e-08, 4.7314e-04],
[9.0397e+01, 6.4457e-01, 3.9465e+00],
[1.2130e+02, 1.6826e+00, 4.0997e+00],
[7.6177e-01, 2.8693e-05, 7.4327e-02],
[8.3750e+00, 1.2999e-02, 5.1503e-01],
[8.1398e-02, 6.3275e-07, 1.1863e-02],
[1.0496e+00, 3.9553e-05, 1.0312e-01],

```

[1.3233e+00, 1.6661e-03, 1.3404e-01],  
 [1.0622e+00, 6.4512e-04, 9.4407e-02],  
 [7.1745e+01, 9.1970e-02, 1.9667e+00],  
 [4.2260e+00, 4.3011e-03, 2.8304e-01],  
 [1.1261e+01, 8.9972e-02, 1.0877e+00],  
 [1.9279e+02, 3.4093e+00, 4.3381e+00],  
 [1.9167e-01, 2.3432e-05, 2.1813e-02],  
 [2.1874e+02, 1.8116e+00, 4.2258e+00],  
 [1.8459e+01, 1.1693e-02, 6.2607e-01],  
 [3.9397e+01, 4.8726e-01, 2.5838e+00],  
 [1.3966e-01, 4.3331e-06, 1.5891e-02],  
 [2.7140e-01, 2.0173e-05, 2.8488e-02],  
 [1.4011e+02, 5.7239e+00, 3.2968e+00],  
 [1.6659e-01, 9.4083e-06, 2.2105e-02],  
 [3.6895e+01, 1.4720e-01, 1.3248e+00],  
 [4.6280e-03, 8.0363e-09, 7.2377e-04],  
 [1.0143e+01, 4.6052e-02, 7.1066e-01],  
 [1.8377e+00, 1.1876e-03, 1.4703e-01],  
 [3.7276e+01, 1.2684e-01, 2.6220e+00],  
 [6.2862e+01, 1.1243e+00, 1.6699e+00],  
 [6.8621e+00, 4.9302e-02, 6.9673e-01],  
 [3.8425e+01, 1.2359e-01, 1.1900e+00],  
 [8.4899e+01, 1.6482e+00, 3.3055e+00],  
 [1.5384e+00, 2.7081e-04, 1.2093e-01],  
 [4.7860e+01, 3.3869e-01, 1.7926e+00],  
 [5.9461e+00, 6.6084e-03, 3.1592e-01],  
 [4.6095e+00, 2.8848e-03, 4.1403e-01],  
 [1.4764e+01, 7.4487e-02, 8.5202e-01],  
 [1.1071e+01, 2.1289e-02, 7.4339e-01],  
 [1.1003e+02, 3.2547e+00, 2.6560e+00],  
 [2.4450e+00, 1.4878e-03, 1.7032e-01],  
 [1.2875e+02, 2.1274e+00, 3.0989e+00],  
 [2.9256e-01, 2.1267e-05, 3.5204e-02],  
 [1.9252e+02, 3.3132e+00, 3.4667e+00],  
 [5.7183e+01, 1.5050e-01, 3.2032e+00],  
 [5.2393e+00, 1.3587e-02, 4.1180e-01],  
 [1.3977e+00, 6.5583e-04, 1.2928e-01],  
 [6.8390e+00, 8.1460e-03, 4.5489e-01],  
 [7.5922e-02, 1.4102e-06, 9.3718e-03],  
 [3.2650e+01, 9.8560e-02, 2.0035e+00],  
 [3.5349e+00, 4.6614e-04, 1.8095e-01],  
 [3.2789e+02, 1.0548e+01, 4.7036e+00],  
 [8.9683e+00, 2.9359e-02, 9.4086e-01],  
 [8.2264e+01, 3.8434e-01, 1.7591e+00],  
 [6.4668e+01, 6.2348e-01, 1.4627e+00],  
 [6.5605e-03, 3.4583e-08, 1.0317e-03],  
 [2.4923e+00, 1.5621e-04, 1.8632e-01],  
 [9.7218e+01, 1.6961e+00, 3.9128e+00],

[3.9322e-01, 3.3132e-05, 3.6809e-02],  
 [4.2142e+01, 3.3127e-01, 2.3488e+00],  
 [2.8915e+01, 7.9592e-02, 1.3628e+00],  
 [1.3498e+00, 1.7265e-04, 1.2796e-01],  
 [7.4127e+01, 3.6927e-01, 2.4010e+00],  
 [1.3158e+00, 5.2543e-04, 9.7357e-02],  
 [7.2589e-02, 4.1936e-07, 8.8218e-03],  
 [3.0184e-02, 8.5080e-07, 4.3369e-03],  
 [2.3741e-01, 7.2938e-06, 2.6923e-02],  
 [3.1377e-01, 4.2848e-05, 3.9857e-02],  
 [1.2991e-03, 1.0546e-09, 2.1073e-04],  
 [1.4849e-02, 1.7175e-07, 2.1594e-03],  
 [2.7368e+01, 1.7531e-01, 1.6137e+00],  
 [1.0472e-01, 8.2370e-06, 1.4630e-02],  
 [2.8300e+01, 6.8259e-02, 1.0053e+00],  
 [3.0318e+01, 3.6082e-02, 2.1813e+00],  
 [1.0601e+00, 9.6589e-04, 1.4827e-01],  
 [1.0028e+00, 6.4646e-05, 7.2844e-02],  
 [1.0616e+00, 4.7369e-04, 1.2218e-01],  
 [2.3886e-02, 5.7355e-08, 3.3429e-03],  
 [5.8077e-02, 1.8614e-06, 7.8245e-03],  
 [2.0364e+01, 3.9700e-02, 1.1782e+00],  
 [2.4948e+00, 8.8237e-04, 1.6126e-01],  
 [2.9137e+01, 2.8824e-01, 1.4704e+00],  
 [1.9671e+01, 3.1219e-02, 8.5940e-01],  
 [7.1795e+00, 1.1527e-02, 3.9253e-01],  
 [1.4543e+01, 9.9295e-03, 5.4296e-01],  
 [1.9757e+00, 1.7054e-03, 1.9664e-01],  
 [1.7949e-01, 1.9621e-06, 2.1570e-02],  
 [1.1025e+02, 2.3030e+00, 3.6325e+00],  
 [2.3925e+01, 1.3148e-02, 1.4077e+00],  
 [3.1236e+01, 3.0435e-01, 9.3826e-01],  
 [2.8980e+00, 4.7503e-04, 2.4276e-01],  
 [1.4005e+02, 2.6860e+00, 2.9216e+00],  
 [2.7282e-01, 1.4321e-05, 3.1768e-02],  
 [1.1431e+01, 1.4363e-02, 9.5856e-01],  
 [5.4153e-02, 1.5144e-06, 6.9904e-03],  
 [3.0507e-01, 2.2305e-05, 3.9018e-02],  
 [7.3568e+00, 1.8429e-02, 5.7172e-01],  
 [4.2019e+01, 3.1618e-01, 2.3594e+00],  
 [1.4117e+02, 4.3810e+00, 3.6248e+00],  
 [1.7120e+01, 2.3498e-02, 5.8928e-01],  
 [1.5390e+02, 4.5297e+00, 4.1757e+00],  
 [2.0456e+01, 1.4005e-01, 1.1729e+00],  
 [1.4142e-01, 5.2630e-06, 1.4958e-02],  
 [2.4948e+01, 3.9370e-02, 1.3618e+00],  
 [1.0953e+01, 1.3926e-02, 6.0827e-01],  
 [2.1589e+02, 2.1127e+00, 3.5045e+00],



[3.0903e-01, 4.1221e-05, 3.7616e-02],  
 [5.9264e-01, 5.7113e-05, 4.8352e-02],  
 [6.8331e+00, 2.7522e-02, 4.2676e-01],  
 [9.8911e-02, 7.0487e-07, 1.1735e-02],  
 [7.6640e-02, 1.2720e-07, 9.4958e-03],  
 [3.9993e+00, 1.1736e-02, 4.7157e-01],  
 [4.4993e+00, 1.9184e-03, 2.7313e-01],  
 [1.3401e+01, 4.3272e-02, 6.4286e-01],  
 [1.1524e+02, 2.2714e+00, 3.2459e+00],  
 [4.9500e+01, 2.3310e-01, 2.7321e+00],  
 [1.8064e+01, 7.0385e-02, 9.6237e-01],  
 [5.5103e-02, 2.7387e-06, 7.6605e-03],  
 [3.5933e+01, 1.1618e-02, 1.3077e+00],  
 [1.7107e+02, 1.4641e+00, 4.4878e+00],  
 [9.9205e-01, 1.2376e-04, 9.2964e-02],  
 [1.2898e+01, 7.5349e-03, 4.9109e-01],  
 [7.9819e+00, 1.0213e-02, 4.5585e-01],  
 [7.0619e+01, 4.3930e-01, 1.6683e+00],  
 [9.2246e-01, 3.7326e-04, 1.0954e-01],  
 [3.4029e-03, 1.2231e-08, 5.3599e-04],  
 [1.5224e+02, 1.1642e+00, 3.7019e+00],  
 [1.5619e-03, 5.3243e-10, 2.4979e-04],  
 [3.2806e-01, 4.1186e-05, 4.0084e-02],  
 [1.1533e+01, 3.8324e-02, 8.8383e-01],  
 [7.1989e+00, 7.6780e-03, 3.9346e-01],  
 [2.6631e-01, 2.3010e-05, 2.5384e-02],  
 [3.0476e-02, 1.0733e-06, 4.2045e-03],  
 [9.3951e-02, 1.7413e-06, 1.3180e-02],  
 [3.7129e-02, 3.1456e-07, 5.3695e-03],  
 [3.3401e+00, 6.8479e-03, 3.0440e-01],  
 [7.5315e+00, 8.9821e-03, 6.5123e-01],  
 [2.3433e+00, 1.7869e-03, 2.3881e-01],  
 [7.1589e+00, 1.7354e-02, 3.3416e-01],  
 [1.5892e+01, 6.0449e-02, 7.4578e-01],  
 [2.2335e+02, 3.0315e+00, 3.6157e+00],  
 [9.0310e-02, 2.2741e-06, 1.2164e-02],  
 [5.4690e-04, 3.6520e-11, 8.9470e-05],  
 [8.4285e+01, 5.4340e-01, 3.9021e+00],  
 [4.1221e+00, 5.1997e-03, 2.5306e-01],  
 [5.1528e-01, 1.3633e-04, 5.3513e-02],  
 [6.3389e+01, 5.8996e-02, 1.1664e+00],  
 [4.2403e-01, 1.4883e-05, 5.1289e-02],  
 [5.5090e-01, 1.0183e-04, 6.2024e-02],  
 [1.1412e+00, 6.9974e-05, 1.1999e-01],  
 [2.0736e+01, 6.9841e-02, 6.7571e-01],  
 [6.0961e+01, 4.4933e-01, 2.1226e+00],  
 [1.7057e-01, 5.3707e-06, 2.0439e-02],  
 [4.6047e+01, 2.0732e-01, 2.6762e+00],

[1.7596e+02, 6.9758e-01, 4.7950e+00],  
 [8.6002e+00, 9.8415e-03, 4.6409e-01],  
 [1.0363e+02, 8.4327e-01, 2.5312e+00],  
 [5.4945e+01, 3.1456e-01, 2.8670e+00],  
 [9.8157e+00, 2.4377e-02, 5.8055e-01],  
 [1.2177e+01, 1.2781e-02, 3.7401e-01],  
 [4.9106e+01, 2.0728e-01, 1.1089e+00],  
 [1.7288e-01, 1.5842e-05, 2.3025e-02],  
 [1.0861e+00, 2.6587e-04, 6.6187e-02],  
 [8.5603e+01, 1.4419e+00, 2.5513e+00],  
 [3.7361e+01, 7.0575e-01, 2.7674e+00],  
 [4.5567e-01, 5.3090e-05, 5.1668e-02],  
 [5.6129e+01, 1.8644e-01, 2.7337e+00],  
 [9.0934e+00, 2.4638e-02, 4.7852e-01],  
 [2.0571e+02, 6.9944e-01, 3.5981e+00],  
 [2.6972e-02, 8.4782e-07, 4.0983e-03],  
 [3.5837e+01, 2.2892e-01, 1.4383e+00],  
 [1.1272e+01, 1.1147e-02, 4.8514e-01],  
 [9.9330e+01, 5.6208e-01, 3.2259e+00],  
 [6.8826e+01, 9.6735e-02, 3.2752e+00],  
 [1.1243e+02, 2.6564e+00, 3.2778e+00],  
 [2.0371e-02, 3.4789e-07, 3.0951e-03],  
 [1.9971e+01, 2.5880e-01, 1.5171e+00],  
 [5.3960e-01, 7.5233e-05, 5.4647e-02],  
 [1.5375e-03, 2.5493e-10, 2.4605e-04],  
 [3.8806e+01, 4.4329e-02, 1.1894e+00],  
 [2.6414e+00, 1.8968e-03, 2.0982e-01],  
 [4.9040e-01, 8.4557e-05, 4.0738e-02],  
 [2.1751e+00, 1.5699e-03, 1.7403e-01],  
 [3.8686e-01, 6.1814e-05, 4.8919e-02],  
 [6.8400e+00, 1.0096e-02, 3.7393e-01],  
 [1.1584e+01, 4.6977e-02, 7.7001e-01],  
 [5.5962e+01, 4.4217e-01, 1.6695e+00],  
 [1.5438e+01, 2.9738e-03, 5.3408e-01],  
 [8.1851e+01, 1.7854e-01, 3.9220e+00],  
 [1.0003e+01, 1.9114e-02, 3.9900e-01],  
 [3.6030e+00, 1.5545e-03, 1.6705e-01],  
 [5.5132e+00, 6.2929e-03, 3.1269e-01],  
 [9.6391e+00, 1.3079e-02, 5.5311e-01],  
 [1.6181e+02, 6.4082e-01, 4.6523e+00],  
 [1.6987e-02, 1.6220e-07, 2.6594e-03],  
 [1.0464e+02, 1.0837e+00, 2.3237e+00],  
 [1.1158e+01, 1.7197e-03, 6.0390e-01],  
 [4.8310e+01, 1.7158e-01, 9.8565e-01],  
 [2.4690e-03, 9.1676e-09, 3.9486e-04],  
 [2.2652e+00, 5.0049e-03, 2.8131e-01],  
 [2.7204e-03, 2.2193e-09, 4.3275e-04],  
 [5.7430e+00, 1.0064e-03, 2.6582e-01],

[3.3456e-01, 1.2326e-05, 4.2090e-02],  
 [7.5757e+01, 1.7863e+00, 2.7120e+00],  
 [1.4303e+02, 2.5139e+00, 4.0430e+00],  
 [6.1722e+00, 5.2282e-03, 3.7107e-01],  
 [1.0519e+01, 2.5093e-02, 5.6198e-01],  
 [4.3830e+01, 2.1071e-01, 9.7010e-01],  
 [1.9025e+01, 1.2487e-01, 9.4183e-01],  
 [6.0142e+01, 7.9797e-02, 3.1335e+00],  
 [4.4475e+00, 6.3852e-03, 3.5727e-01],  
 [5.2828e+01, 3.1856e-01, 1.8899e+00],  
 [7.6635e-01, 2.2835e-04, 7.3883e-02],  
 [1.5695e+02, 1.9460e+00, 4.4071e+00],  
 [7.5520e+01, 2.3431e-01, 2.5139e+00],  
 [1.2488e-02, 1.4426e-07, 1.8444e-03],  
 [5.4155e-01, 3.7135e-05, 6.0643e-02],  
 [4.9740e+01, 4.8152e-01, 2.0822e+00],  
 [3.5381e+00, 2.4557e-04, 2.3330e-01],  
 [1.2610e+02, 1.8783e-01, 2.3587e+00],  
 [8.3738e+01, 2.7049e-02, 2.7584e+00],  
 [7.3839e+01, 1.0681e+00, 3.0028e+00],  
 [7.1377e+01, 7.4531e-02, 2.1462e+00],  
 [7.9074e-01, 8.1706e-04, 1.0139e-01],  
 [3.1551e+00, 2.0980e-03, 2.9370e-01],  
 [3.9454e+01, 2.8066e-01, 1.3391e+00],  
 [1.8563e+01, 1.6526e-02, 8.5355e-01],  
 [3.2548e-03, 1.0632e-08, 5.1482e-04],  
 [1.9496e+02, 6.5564e+00, 3.5616e+00],  
 [5.4425e+01, 5.6757e-01, 1.2338e+00],  
 [6.6113e-03, 8.2310e-09, 1.0138e-03],  
 [2.8434e+00, 3.2490e-03, 1.7931e-01],  
 [1.2866e-01, 7.6079e-06, 1.4481e-02],  
 [6.4812e+01, 3.0918e-01, 2.9420e+00],  
 [1.6475e+01, 5.7852e-02, 1.1590e+00],  
 [3.5763e+00, 1.2417e-03, 2.5664e-01],  
 [2.5850e+00, 5.5973e-04, 1.9164e-01],  
 [1.5599e+02, 4.3195e+00, 3.1674e+00],  
 [6.8026e+00, 2.0471e-03, 2.9001e-01],  
 [1.1647e+01, 4.3398e-02, 4.8632e-01],  
 [3.8299e-03, 3.9092e-09, 6.0406e-04],  
 [1.3517e+00, 8.0462e-04, 1.1885e-01],  
 [6.2964e+01, 7.0626e-01, 1.5887e+00],  
 [2.5160e+01, 7.9031e-02, 1.4455e+00],  
 [7.1060e-03, 6.2669e-09, 1.1343e-03],  
 [1.1782e-01, 2.6833e-06, 1.5620e-02],  
 [3.5463e+01, 1.6473e-01, 8.5587e-01],  
 [1.4581e-01, 1.8033e-06, 1.6401e-02],  
 [3.8965e+01, 2.2635e-01, 8.5778e-01],  
 [8.0059e-01, 6.1686e-05, 9.6778e-02],

[1.1047e+00, 2.4065e-04, 8.1989e-02],  
 [1.7247e+01, 1.0212e-01, 9.3609e-01],  
 [2.4547e-01, 1.2087e-05, 2.4578e-02],  
 [5.7065e+01, 5.1917e-02, 2.9051e+00],  
 [1.8330e+01, 1.0917e-02, 7.9189e-01],  
 [6.4184e-01, 3.0176e-05, 5.8895e-02],  
 [3.6989e+00, 2.0766e-03, 2.4548e-01],  
 [6.4942e+01, 1.4825e+00, 3.3977e+00],  
 [4.8920e+00, 3.0481e-03, 5.4795e-01],  
 [2.6194e+01, 1.1283e-01, 1.3793e+00],  
 [1.7192e+02, 3.1764e+00, 4.1516e+00],  
 [2.2616e+02, 3.7918e+00, 4.8196e+00],  
 [3.2627e+01, 9.5262e-02, 1.7112e+00],  
 [3.7470e+01, 2.0468e-01, 1.6513e+00],  
 [1.9368e+01, 3.5947e-02, 1.7930e+00],  
 [1.2092e+00, 2.4495e-04, 1.6079e-01],  
 [1.5420e-01, 9.5938e-06, 1.6761e-02],  
 [1.0947e+01, 7.4826e-03, 4.3649e-01],  
 [5.7944e+01, 3.1166e-01, 2.0525e+00],  
 [6.9523e-01, 3.8541e-05, 6.5253e-02],  
 [4.7896e+00, 1.3379e-03, 2.3937e-01],  
 [1.4980e+02, 2.4866e+00, 3.5367e+00],  
 [4.7854e+00, 8.6887e-03, 3.6764e-01],  
 [2.1447e-01, 1.6924e-05, 2.7246e-02],  
 [7.5993e+01, 2.2308e-01, 2.5411e+00],  
 [4.8370e+01, 2.2938e-01, 1.6383e+00],  
 [2.4875e+02, 6.6538e+00, 4.8757e+00],  
 [1.1182e+02, 1.3432e+00, 3.2082e+00],  
 [1.0010e+02, 1.5184e+00, 2.5698e+00],  
 [2.3293e-01, 3.2739e-06, 2.1796e-02],  
 [6.0641e+00, 1.6475e-03, 3.2889e-01],  
 [3.1797e-02, 3.0329e-07, 4.3837e-03],  
 [5.4632e+00, 8.0189e-03, 3.6715e-01],  
 [6.9469e-01, 8.7595e-06, 4.2795e-02],  
 [3.4553e-02, 6.9913e-07, 4.9242e-03],  
 [5.9435e-02, 3.2176e-06, 8.5172e-03],  
 [1.5424e+00, 7.8729e-04, 1.2280e-01],  
 [4.5657e-01, 6.4057e-05, 4.9637e-02],  
 [4.4107e-01, 2.0089e-04, 5.3283e-02],  
 [1.4877e+02, 1.8968e+00, 3.6432e+00],  
 [6.6275e+01, 5.5130e-01, 1.4799e+00],  
 [1.4315e-02, 4.4479e-08, 2.1014e-03],  
 [3.2292e+01, 5.6126e-02, 1.1675e+00],  
 [3.5786e+01, 6.2187e-02, 1.2780e+00],  
 [3.1307e+01, 6.5700e-02, 1.6109e+00],  
 [1.2335e+00, 2.7519e-04, 1.0388e-01],  
 [1.7334e+01, 1.2802e-01, 1.5059e+00],  
 [7.0000e+00, 1.6145e-03, 4.0473e-01],

```

[9.6265e-02, 3.6908e-06, 1.2674e-02],
[3.3479e-01, 3.1462e-05, 3.2692e-02],
[6.7386e-01, 6.7310e-05, 5.4344e-02],
[4.1533e-01, 2.6558e-05, 3.5042e-02]], dtype=torch.float64)
Iteration: 51
Inputs: tensor([[2.5216e+18, 2.6186e+02, 3.3643e+00, 4.4490e+00],
[3.6174e+20, 3.9615e+02, 1.2161e+01, 8.7817e+00],
[5.4422e+18, 2.5795e+02, 1.2123e+01, 6.6230e+00],
...,
[2.7298e+18, 1.7311e+02, 7.6097e-01, 1.2607e+00],
[7.1320e+20, 1.6241e+02, 1.4733e+00, 6.4414e+00],
[2.8818e+19, 3.3810e+02, 1.8113e+01, 8.9114e+00]], dtype=torch.float64)
Target: tensor([[6.3142e-01, 3.0679e-05, 5.3955e-02],
[1.2391e+02, 3.1357e+00, 2.9327e+00],
[9.8733e-01, 3.0419e-04, 8.9589e-02],
[2.1516e-01, 3.5891e-06, 2.0364e-02],
[1.0491e+00, 5.0684e-04, 9.3225e-02],
[2.4094e+01, 2.2454e-02, 7.9223e-01],
[3.4997e-01, 1.0509e-04, 3.9401e-02],
[1.6954e-01, 1.5337e-05, 2.4601e-02],
[1.7482e+02, 3.4652e+00, 4.4043e+00],
[1.7444e+02, 2.8050e+00, 4.5957e+00],
[6.2681e-03, 6.4654e-09, 9.8657e-04],
[4.6601e+01, 4.0068e-01, 1.2968e+00],
[1.6666e+01, 1.0862e-01, 6.6714e-01],
[1.8533e+01, 5.2754e-02, 7.7370e-01],
[1.2197e+02, 3.0076e-01, 2.3909e+00],
[3.4176e-01, 2.9067e-05, 2.9012e-02],
[9.2231e+00, 1.4030e-02, 4.9920e-01],
[4.7034e+00, 4.4042e-03, 2.6943e-01],
[1.3448e+02, 5.6604e+00, 3.7423e+00],
[3.9726e+01, 1.3735e-01, 1.9241e+00],
[1.2435e+01, 3.9755e-02, 5.2279e-01],
[3.1706e+01, 2.5713e-01, 1.4641e+00],
[6.8681e+01, 2.8356e-01, 3.1477e+00],
[5.3406e-03, 3.2924e-08, 8.3335e-04],
[2.1571e+00, 1.7196e-03, 1.6016e-01],
[1.7119e+01, 9.9969e-02, 1.0117e+00],
[1.3162e+01, 4.1808e-02, 5.5875e-01],
[4.2420e+01, 8.5053e-02, 2.6938e+00],
[1.8205e+01, 1.2096e-01, 7.2324e-01],
[2.4966e-02, 5.6633e-07, 3.7454e-03],
[1.2241e+00, 1.9904e-04, 1.4010e-01],
[9.5351e+01, 1.7524e+00, 3.8838e+00],
[1.7107e-01, 1.7904e-05, 1.7829e-02],
[2.7926e+01, 1.4422e-01, 1.1135e+00],
[3.8475e+01, 4.1801e-01, 1.3539e+00],
[4.9161e+01, 4.4209e-02, 1.2199e+00],

```

[5.6850e-01, 1.2930e-04, 5.6406e-02],  
[2.9905e-01, 1.5771e-05, 2.9264e-02],  
[4.3806e-03, 1.0233e-08, 6.9142e-04],  
[7.3508e+01, 7.8956e-02, 2.5812e+00],  
[7.7264e-01, 2.1584e-04, 6.5390e-02],  
[1.1768e+02, 1.1208e+00, 2.8443e+00],  
[4.1231e+00, 1.2113e-03, 4.9940e-01],  
[1.9003e+00, 7.0332e-04, 1.8416e-01],  
[2.2105e+00, 1.4791e-03, 1.5206e-01],  
[2.6169e+00, 1.2778e-03, 2.1455e-01],  
[1.6661e+00, 5.2190e-04, 1.5235e-01],  
[9.4498e-02, 1.6499e-06, 1.3244e-02],  
[2.0129e-01, 9.7289e-07, 2.1027e-02],  
[6.8620e+01, 7.2723e-02, 2.5288e+00],  
[3.8496e+01, 4.4529e-01, 1.9016e+00],  
[3.2188e-01, 5.3697e-05, 3.5946e-02],  
[1.0932e+00, 1.5785e-04, 8.0806e-02],  
[7.2556e-03, 1.4913e-08, 1.1231e-03],  
[2.9606e+01, 4.2117e-01, 2.0817e+00],  
[6.6146e+00, 2.6537e-03, 4.3766e-01],  
[6.3564e-02, 1.0716e-06, 8.4869e-03],  
[3.6143e+01, 4.4439e-01, 1.1786e+00],  
[9.9302e-01, 3.0335e-04, 1.2630e-01],  
[2.1237e+02, 4.9335e+00, 4.1710e+00],  
[4.0100e+00, 2.2521e-03, 1.9193e-01],  
[7.2609e-01, 4.6679e-05, 6.1739e-02],  
[1.0671e-01, 2.4652e-06, 1.3548e-02],  
[1.6862e+02, 3.1158e+00, 2.9374e+00],  
[1.6998e+01, 7.4831e-02, 7.7231e-01],  
[1.1561e+01, 6.2926e-02, 8.8396e-01],  
[8.1027e-02, 1.4622e-06, 1.0014e-02],  
[1.3874e-02, 6.1310e-08, 2.1011e-03],  
[2.3028e+01, 2.7311e-02, 8.0592e-01],  
[1.0262e+00, 3.6409e-04, 9.6022e-02],  
[3.5622e+00, 6.0801e-03, 3.4228e-01],  
[1.1487e+01, 2.2314e-02, 4.7937e-01],  
[2.6536e+01, 1.2231e-01, 1.0022e+00],  
[1.6612e+00, 8.7134e-04, 1.4276e-01],  
[4.1604e-01, 4.2174e-05, 3.2562e-02],  
[2.5969e-02, 1.1918e-07, 4.0855e-03],  
[2.1967e+00, 3.9348e-04, 1.9986e-01],  
[4.5124e-02, 3.8124e-07, 6.5849e-03],  
[7.8419e+00, 2.9373e-02, 8.5415e-01],  
[9.1880e-04, 8.6572e-10, 1.4835e-04],  
[5.0207e-01, 4.8689e-05, 5.4854e-02],  
[1.0255e+02, 4.6825e-01, 3.3060e+00],  
[2.4918e-01, 2.4351e-06, 2.5523e-02],  
[1.8382e+02, 2.8289e-01, 4.3702e+00],

[2.1321e-01, 4.0923e-06, 2.3856e-02],  
 [2.0417e+01, 2.2151e-02, 1.6471e+00],  
 [4.8037e-02, 1.0039e-06, 7.2736e-03],  
 [1.5848e+01, 4.5916e-02, 6.9742e-01],  
 [7.2247e+00, 1.1252e-02, 3.7340e-01],  
 [2.5297e-02, 2.8889e-07, 3.7207e-03],  
 [3.6851e-02, 2.8680e-07, 5.6109e-03],  
 [8.1219e+00, 2.2625e-03, 6.3863e-01],  
 [6.8402e+01, 7.2777e-01, 2.5818e+00],  
 [9.8473e+00, 7.9183e-03, 8.1309e-01],  
 [1.5502e+00, 4.6775e-04, 1.4554e-01],  
 [4.1519e-02, 1.4628e-06, 5.8014e-03],  
 [4.1135e+00, 7.9726e-03, 3.4548e-01],  
 [2.5254e-01, 2.5607e-05, 2.6190e-02],  
 [7.5364e+01, 5.2985e-01, 2.3465e+00],  
 [3.7298e-04, 1.6244e-10, 6.0986e-05],  
 [1.1550e+01, 2.5388e-02, 7.5194e-01],  
 [8.4781e-01, 1.3079e-04, 6.0855e-02],  
 [1.9721e+02, 4.1516e+00, 4.3531e+00],  
 [1.2162e-01, 1.3953e-05, 1.4364e-02],  
 [3.3571e+01, 2.1946e-02, 1.5378e+00],  
 [1.8822e+01, 3.2300e-02, 6.4758e-01],  
 [1.4239e+00, 1.9004e-03, 1.7422e-01],  
 [4.6670e+01, 2.9650e-01, 1.4140e+00],  
 [8.9623e+00, 2.2196e-02, 4.2809e-01],  
 [2.6944e-02, 4.1666e-07, 3.9719e-03],  
 [2.2170e+00, 6.3603e-04, 2.4070e-01],  
 [9.5457e-03, 3.0304e-08, 1.5175e-03],  
 [9.1585e+00, 2.0326e-02, 9.4580e-01],  
 [1.2116e-02, 8.0434e-08, 1.8029e-03],  
 [1.9208e+02, 2.6949e-01, 4.1945e+00],  
 [2.2195e-01, 5.0193e-06, 2.6319e-02],  
 [2.7502e+01, 1.0687e-02, 7.8547e-01],  
 [1.6649e-01, 7.7528e-06, 2.1841e-02],  
 [6.9856e+00, 6.6082e-04, 4.7725e-01],  
 [1.6741e+01, 6.8381e-02, 7.1854e-01],  
 [3.1114e+00, 2.6588e-03, 1.8946e-01],  
 [8.7635e-01, 2.3866e-04, 1.0431e-01],  
 [5.1431e+00, 3.0495e-03, 5.3952e-01],  
 [8.7919e+00, 6.4357e-03, 3.4275e-01],  
 [5.8222e-03, 8.8758e-09, 9.1641e-04],  
 [4.4319e+00, 5.2689e-03, 3.4564e-01],  
 [8.7419e+00, 1.6328e-02, 5.0198e-01],  
 [1.2104e+01, 1.1910e-02, 6.5950e-01],  
 [4.0161e+00, 3.3831e-04, 2.2630e-01],  
 [7.2630e+01, 9.0709e-01, 2.8380e+00],  
 [2.3245e+01, 3.0478e-01, 1.8870e+00],  
 [1.2411e+01, 4.2746e-02, 8.6158e-01],

[4.7622e-03, 1.5717e-08, 7.5583e-04],  
 [1.4515e+02, 2.4526e+00, 3.2733e+00],  
 [1.7547e+01, 2.5995e-02, 1.4019e+00],  
 [1.0901e-01, 4.0708e-06, 1.2331e-02],  
 [4.4953e-01, 6.3640e-05, 5.2285e-02],  
 [1.0860e+00, 3.2467e-04, 8.2422e-02],  
 [1.5902e+00, 4.5613e-04, 1.0803e-01],  
 [2.4147e+01, 4.8686e-02, 1.6307e+00],  
 [3.4582e+00, 3.2266e-03, 2.8636e-01],  
 [2.9973e+01, 4.1615e-01, 1.5267e+00],  
 [3.1980e+00, 1.4211e-04, 1.8851e-01],  
 [3.2211e+01, 2.3699e-01, 9.2448e-01],  
 [2.7207e+01, 1.7592e-01, 9.3579e-01],  
 [7.2051e+01, 3.6325e-01, 1.3486e+00],  
 [2.3642e-02, 3.1107e-07, 3.3105e-03],  
 [8.4789e+01, 2.1253e+00, 3.2067e+00],  
 [1.2012e+01, 1.4424e-02, 4.1967e-01],  
 [1.3278e+02, 1.8107e-01, 2.5923e+00],  
 [2.6056e-01, 1.6518e-05, 3.1134e-02],  
 [5.1003e-01, 3.8254e-04, 6.5991e-02],  
 [4.9680e-02, 6.9679e-07, 7.3764e-03],  
 [1.5910e+01, 5.0049e-02, 6.2748e-01],  
 [3.8215e+01, 7.4630e-01, 2.6577e+00],  
 [4.3095e-02, 5.7809e-07, 6.4741e-03],  
 [4.7262e+01, 2.5706e-02, 2.1428e+00],  
 [1.0899e+01, 2.2575e-02, 5.6792e-01],  
 [4.2715e+01, 2.0079e-01, 2.0375e+00],  
 [8.7047e-02, 5.8446e-06, 1.1469e-02],  
 [1.9661e-01, 1.6445e-06, 2.3124e-02],  
 [2.6713e+01, 2.3733e-01, 1.2332e+00],  
 [7.1869e+01, 2.8609e-01, 1.6413e+00],  
 [2.6998e-01, 3.8511e-06, 3.0357e-02],  
 [1.1482e+02, 2.9572e+00, 4.4009e+00],  
 [2.4789e+00, 1.3394e-03, 1.8986e-01],  
 [3.2270e+01, 1.4988e-01, 1.6239e+00],  
 [6.5746e-02, 1.1116e-06, 8.1700e-03],  
 [9.6327e+01, 1.4366e+00, 2.9666e+00],  
 [1.5730e-02, 3.6759e-07, 2.3079e-03],  
 [2.1954e-01, 4.9775e-06, 2.7132e-02],  
 [2.2471e-01, 3.9368e-06, 2.7730e-02],  
 [1.8130e+02, 5.7468e+00, 3.9166e+00],  
 [2.0191e+00, 1.9489e-03, 2.2138e-01],  
 [6.1218e+01, 1.0454e+00, 1.8250e+00],  
 [2.0849e-01, 2.2360e-05, 3.1002e-02],  
 [5.6650e+01, 1.8003e-01, 2.8302e+00],  
 [5.0089e-01, 3.6167e-04, 6.9299e-02],  
 [9.5615e+00, 1.6688e-02, 8.1798e-01],  
 [1.1935e+02, 5.4798e-01, 3.8543e+00],



[4.1918e+01, 3.4466e-01, 1.3069e+00],  
 [9.7225e+01, 1.4733e+00, 2.7575e+00],  
 [5.7141e+00, 4.4840e-03, 3.3505e-01],  
 [2.2720e+01, 8.3654e-03, 7.7308e-01],  
 [1.2845e+02, 2.1164e+00, 3.6977e+00],  
 [3.2071e+00, 1.4315e-02, 3.7829e-01],  
 [3.5286e-01, 2.1418e-05, 4.0464e-02],  
 [8.3907e-01, 9.2776e-05, 1.0206e-01],  
 [2.9418e+01, 1.8075e-01, 1.1477e+00],  
 [1.1186e+02, 2.8043e+00, 2.6844e+00],  
 [2.5017e-02, 2.9753e-08, 3.7644e-03],  
 [9.7774e+00, 1.1528e-02, 4.1750e-01],  
 [8.4367e-02, 5.7462e-07, 1.1366e-02],  
 [1.0879e-02, 3.1411e-08, 1.6432e-03],  
 [1.1664e+00, 1.6632e-04, 7.3130e-02],  
 [1.6227e+00, 1.4424e-03, 1.6031e-01],  
 [1.6949e+01, 3.7209e-02, 7.1376e-01],  
 [1.0660e+00, 6.9242e-04, 1.1212e-01],  
 [2.0830e+00, 1.3419e-03, 1.8651e-01],  
 [1.7458e+00, 5.8648e-04, 1.3019e-01],  
 [1.5941e+02, 5.4807e-01, 4.5771e+00],  
 [5.3202e-01, 9.3267e-05, 5.7974e-02],  
 [1.0796e+02, 1.3803e-01, 2.6700e+00],  
 [4.5837e-01, 2.3936e-05, 6.9288e-02],  
 [1.6720e+01, 8.0096e-02, 9.3532e-01],  
 [6.9261e+01, 6.1494e-01, 1.4198e+00],  
 [2.8737e+02, 4.1653e+00, 4.4141e+00],  
 [3.7756e+00, 3.7812e-03, 4.3133e-01],  
 [2.4242e+02, 3.1262e+00, 4.4881e+00],  
 [2.4858e+00, 7.6892e-03, 3.1753e-01],  
 [6.9580e+01, 1.4505e+00, 1.9117e+00],  
 [4.0105e+00, 2.1068e-03, 3.8453e-01],  
 [3.2876e-01, 7.8153e-05, 3.6207e-02],  
 [5.7543e+01, 5.3285e-01, 1.6429e+00],  
 [3.1709e+00, 3.9832e-03, 3.4183e-01],  
 [1.6863e+01, 1.5586e-01, 1.1111e+00],  
 [1.2720e+02, 9.4168e-01, 4.2093e+00],  
 [5.4750e+01, 6.0606e-01, 1.5665e+00],  
 [1.4094e+00, 1.2688e-04, 1.2817e-01],  
 [1.2773e+02, 9.3056e-01, 4.2794e+00],  
 [9.7679e+01, 1.2665e+00, 2.0494e+00],  
 [2.5036e+00, 2.9050e-04, 1.7342e-01],  
 [3.3692e+01, 4.0958e-01, 2.4000e+00],  
 [7.7940e+01, 1.0787e+00, 1.9847e+00],  
 [6.0535e-01, 8.4931e-05, 5.6257e-02],  
 [1.8982e+00, 8.7090e-04, 1.2626e-01],  
 [4.0315e-01, 1.1835e-05, 5.4896e-02],  
 [1.2851e+02, 1.1539e+00, 2.2223e+00],

[5.2129e+01, 3.0797e-01, 2.2923e+00],  
 [1.9126e-01, 1.5369e-05, 2.6417e-02],  
 [8.0887e-01, 2.5770e-04, 6.3894e-02],  
 [5.5411e+00, 4.4188e-03, 2.7282e-01],  
 [1.3310e+00, 5.9870e-05, 1.0479e-01],  
 [5.4147e+00, 3.0152e-03, 2.4376e-01],  
 [3.4951e+01, 1.7580e-01, 1.1001e+00],  
 [1.6912e+00, 8.5369e-04, 1.8279e-01],  
 [5.0451e-01, 5.1585e-05, 4.6599e-02],  
 [5.1783e+00, 7.3935e-03, 4.1450e-01],  
 [1.4930e+02, 5.6995e-01, 4.2039e+00],  
 [1.1379e+01, 2.3629e-02, 7.5742e-01],  
 [1.6111e-02, 2.9823e-08, 2.3941e-03],  
 [3.6082e-01, 5.9699e-05, 3.5937e-02],  
 [6.0157e-01, 1.0551e-04, 5.1955e-02],  
 [1.2389e+01, 3.9482e-02, 9.5060e-01],  
 [1.6498e+01, 4.1034e-02, 4.9672e-01],  
 [6.7247e+01, 1.2231e-01, 1.7657e+00],  
 [1.2640e+02, 2.0875e+00, 4.3034e+00],  
 [2.0307e+00, 5.3986e-04, 1.9427e-01],  
 [4.0839e+01, 3.2162e-01, 1.0728e+00],  
 [4.7664e+01, 5.6859e-01, 2.1618e+00],  
 [3.0904e+00, 7.5226e-03, 3.9745e-01],  
 [1.8199e+02, 3.4352e+00, 3.6792e+00],  
 [1.3019e+01, 1.8222e-02, 5.8852e-01],  
 [2.3909e-01, 7.6884e-05, 3.2913e-02],  
 [2.8038e+01, 1.4368e-01, 9.5696e-01],  
 [5.1434e-01, 6.2516e-05, 3.7369e-02],  
 [1.2908e+02, 2.7428e-01, 3.6218e+00],  
 [5.7282e-01, 4.2432e-05, 7.3372e-02],  
 [3.2545e+01, 2.8798e-01, 1.2628e+00],  
 [1.5925e+00, 8.4969e-04, 1.2899e-01],  
 [4.5699e-01, 4.1413e-05, 3.4370e-02],  
 [2.7779e+01, 2.3658e-01, 1.3861e+00],  
 [2.6700e+01, 1.9794e-01, 1.1937e+00],  
 [3.3863e-02, 6.4302e-07, 4.5932e-03],  
 [7.6546e-01, 2.9677e-04, 9.4851e-02],  
 [2.4997e-01, 6.0501e-06, 3.0710e-02],  
 [7.0613e+01, 7.3822e-01, 2.3838e+00],  
 [4.6466e+01, 3.1951e-01, 1.5011e+00],  
 [1.6771e-03, 4.3617e-10, 2.7078e-04],  
 [1.3629e-01, 2.6507e-06, 1.8144e-02],  
 [9.3778e-01, 3.4438e-05, 9.2060e-02],  
 [1.2460e-03, 9.2329e-10, 2.0271e-04],  
 [4.2356e+01, 2.3388e-01, 1.2559e+00],  
 [2.0269e+00, 2.0465e-03, 1.6237e-01],  
 [9.9825e+01, 3.2558e+00, 4.1578e+00],  
 [1.5504e+02, 3.9311e+00, 3.9324e+00],

```

[1.1260e-01, 6.2732e-06, 1.2559e-02],
[2.7772e+01, 9.0346e-02, 1.3763e+00],
[1.0191e-01, 5.8445e-07, 1.2772e-02],
[3.9783e+01, 4.8546e-01, 1.8082e+00],
[1.1867e+00, 2.8683e-04, 1.0370e-01],
[5.0115e+00, 3.5810e-03, 5.9398e-01],
[1.5347e+00, 5.5763e-04, 1.8018e-01],
[5.7291e-01, 3.2250e-04, 6.8200e-02],
[2.4346e+01, 9.1593e-02, 1.5933e+00],
[8.3890e+00, 4.2916e-03, 4.1196e-01],
[5.5583e+01, 7.4857e-01, 1.5842e+00],
[3.7632e+01, 4.9654e-02, 1.1031e+00],
[6.8980e+01, 2.2892e-01, 2.0852e+00],
[7.3375e-01, 1.3731e-04, 1.0236e-01],
[9.5809e+01, 1.6376e+00, 2.7105e+00],
[1.0945e+02, 1.6163e+00, 3.6908e+00],
[5.4342e+01, 6.9508e-01, 2.8919e+00],
[1.9484e+00, 1.4469e-03, 1.8658e-01],
[1.0437e+01, 2.0642e-02, 4.9625e-01],
[1.5770e-01, 1.4846e-05, 1.7258e-02],
[8.7382e+01, 6.0614e-01, 2.2489e+00],
[3.5246e-02, 1.0591e-06, 5.2310e-03],
[1.0242e-01, 1.7730e-06, 1.5941e-02],
[3.3327e-01, 3.6463e-05, 3.0764e-02],
[9.7810e+00, 8.4506e-03, 5.7854e-01],
[3.0782e+00, 1.0212e-03, 1.9877e-01],
[8.5388e+00, 1.6060e-02, 4.9266e-01],
[7.4885e+01, 4.4524e-01, 3.0494e+00],
[2.5301e+01, 1.8336e-01, 1.7567e+00],
[6.0776e+00, 3.9386e-03, 5.5622e-01],
[3.2196e+02, 4.5786e+00, 5.0890e+00],
[3.1956e-02, 1.1912e-06, 4.4486e-03],
[7.8594e+01, 7.5145e-01, 1.8156e+00],
[1.3580e+02, 6.9214e-01, 4.4822e+00],
[4.1912e+01, 4.3701e-01, 1.4386e+00],
[4.8809e+00, 1.8423e-03, 2.6989e-01],
[6.2530e-01, 1.5524e-04, 6.9817e-02],
[7.0907e+01, 5.4506e-01, 2.1521e+00],
[2.2430e+01, 7.1207e-03, 5.7163e-01],
[1.2529e+00, 2.2360e-05, 1.1066e-01],
[1.9717e+00, 7.8335e-04, 1.8412e-01],
[4.3537e-01, 1.3468e-06, 4.2946e-02],
[1.6719e+02, 1.6214e+00, 4.1792e+00],
[1.1555e+01, 5.1302e-02, 5.5743e-01]], dtype=torch.float64)
Iteration: 52
Inputs: tensor([[1.2931e+20, 2.8322e+02, 7.6467e+00, 7.7404e+00],
[1.7283e+19, 4.8244e+02, 1.8688e+01, 3.6996e+00],
[6.6609e+20, 2.3800e+01, 1.5435e+01, 5.5515e+00],

```

```

...,
[5.4311e+19, 3.5295e+02, 1.0061e+01, 3.3139e+00],
[1.3805e+18, 3.8622e+02, 9.6858e+00, 4.8820e+00],
[1.3284e+19, 3.7874e+02, 8.7966e+00, 7.8395e+00]], dtype=torch.float64)
Target: tensor([[5.4183e+01, 4.5144e-01, 1.6058e+00],
[4.2921e+00, 3.1691e-03, 3.0028e-01],
[4.3471e+00, 1.4089e-02, 5.5057e-01],
[1.4558e+00, 1.2849e-04, 1.2307e-01],
[3.7696e+01, 8.1132e-02, 1.4744e+00],
[1.5280e-01, 2.1848e-06, 2.0655e-02],
[3.9425e-01, 1.7170e-05, 4.7172e-02],
[3.2116e+00, 4.6162e-03, 2.2386e-01],
[8.6482e+00, 3.8482e-02, 8.4400e-01],
[2.6852e+01, 1.8613e-01, 8.4032e-01],
[5.8535e+01, 3.1985e-01, 2.1258e+00],
[9.4991e+01, 4.5472e-01, 2.5984e+00],
[1.0776e+00, 2.8307e-04, 7.5880e-02],
[1.5415e+02, 3.4221e+00, 4.6853e+00],
[1.4700e+02, 1.3314e+00, 2.7847e+00],
[4.5667e-01, 8.5296e-05, 5.2228e-02],
[9.7627e+00, 2.0793e-02, 4.2905e-01],
[4.1393e+00, 6.1013e-03, 2.4055e-01],
[7.0720e-01, 1.1490e-04, 5.2985e-02],
[3.2983e+00, 3.4507e-03, 3.0630e-01],
[2.1807e+00, 5.4190e-03, 2.5525e-01],
[8.8005e-02, 1.0699e-05, 1.2110e-02],
[4.3643e+01, 1.7953e-01, 2.3318e+00],
[5.1890e+00, 3.4514e-03, 3.0263e-01],
[1.0851e+01, 3.3692e-03, 7.4233e-01],
[2.3430e+00, 1.0492e-03, 1.8694e-01],
[2.8407e+00, 1.4600e-03, 1.7041e-01],
[2.9079e-01, 4.1538e-05, 3.0958e-02],
[1.6807e+00, 5.1770e-04, 1.3479e-01],
[1.4880e+02, 3.9801e+00, 4.7212e+00],
[1.5071e+01, 3.3036e-02, 8.9652e-01],
[9.5554e+00, 2.5905e-02, 5.0728e-01],
[4.1346e+00, 5.2629e-03, 3.1309e-01],
[3.2653e+01, 2.1352e-01, 1.3371e+00],
[1.1849e-01, 1.9068e-06, 1.4066e-02],
[1.1428e-01, 9.8261e-06, 1.2825e-02],
[4.3944e-01, 2.9716e-05, 5.4589e-02],
[5.2894e+01, 8.7168e-02, 1.5612e+00],
[5.7648e-03, 5.1404e-09, 9.0268e-04],
[1.5928e+01, 4.5368e-02, 6.4120e-01],
[4.0391e+00, 1.0370e-03, 3.8592e-01],
[9.9015e+00, 2.3503e-02, 4.6076e-01],
[2.4985e+00, 4.4426e-04, 1.6439e-01],
[1.0227e+01, 7.4878e-03, 3.1426e-01],

```

[2.7872e+00, 4.0243e-04, 1.5629e-01],  
 [6.8581e+01, 1.1375e+00, 2.1099e+00],  
 [6.1310e+01, 6.5406e-01, 2.2864e+00],  
 [3.4519e+00, 1.4761e-03, 2.6440e-01],  
 [1.8634e+01, 3.9201e-02, 1.2161e+00],  
 [1.8087e+02, 3.6473e-01, 3.8569e+00],  
 [3.5175e+01, 1.4505e-01, 9.5446e-01],  
 [3.4197e-01, 1.7641e-05, 3.1548e-02],  
 [1.2134e+02, 5.9958e-01, 3.5909e+00],  
 [2.1408e-01, 6.4999e-06, 2.3738e-02],  
 [1.2637e+02, 2.5194e+00, 3.6316e+00],  
 [6.7631e+01, 5.9108e-01, 2.8185e+00],  
 [2.6459e+01, 2.4641e-01, 9.9398e-01],  
 [5.6899e-01, 7.8356e-05, 5.6612e-02],  
 [8.5226e+00, 1.6642e-02, 4.4332e-01],  
 [1.2136e+01, 3.5314e-02, 5.8771e-01],  
 [5.4693e+01, 3.5684e-01, 1.9427e+00],  
 [7.6744e-01, 7.4371e-04, 9.1395e-02],  
 [2.8510e+02, 9.2262e+00, 4.5611e+00],  
 [1.8301e-01, 1.4427e-05, 2.0066e-02],  
 [5.2023e-01, 3.9768e-05, 4.4137e-02],  
 [6.2195e+01, 3.6599e-01, 1.9184e+00],  
 [5.2801e+01, 2.8371e-01, 1.7147e+00],  
 [6.4175e+01, 4.2278e-01, 3.1394e+00],  
 [9.9109e+00, 1.1510e-02, 5.0078e-01],  
 [2.8797e+01, 1.5875e-01, 8.6590e-01],  
 [7.1696e+00, 3.9529e-02, 5.7932e-01],  
 [1.2634e+00, 2.6465e-04, 8.2790e-02],  
 [6.7348e+00, 1.1863e-02, 3.4620e-01],  
 [3.0174e+00, 1.6339e-03, 2.3491e-01],  
 [1.2067e+02, 1.4148e+00, 4.3889e+00],  
 [4.4757e+00, 3.3566e-03, 2.6024e-01],  
 [4.7152e+01, 3.5915e-01, 2.1637e+00],  
 [1.3191e+01, 4.9277e-03, 8.9057e-01],  
 [3.6669e-01, 8.8910e-05, 3.8180e-02],  
 [5.3839e-02, 1.6505e-06, 6.9450e-03],  
 [1.4739e+00, 7.2591e-04, 1.1714e-01],  
 [5.0998e-01, 6.5437e-05, 3.8744e-02],  
 [1.7949e-03, 2.0567e-09, 2.8921e-04],  
 [1.7486e+01, 2.1506e-02, 7.9116e-01],  
 [2.0875e+02, 1.1305e+01, 4.7524e+00],  
 [1.3704e-01, 7.2392e-07, 1.5540e-02],  
 [1.7288e+01, 8.2865e-02, 6.6616e-01],  
 [6.8670e-01, 2.4002e-04, 5.8709e-02],  
 [5.0209e-02, 8.8482e-07, 6.9205e-03],  
 [1.6386e+01, 3.1032e-02, 1.4121e+00],  
 [1.3502e+00, 1.2651e-03, 1.3746e-01],  
 [1.3573e+02, 3.1711e+00, 3.4584e+00],

[2.5150e+00, 7.7344e-04, 1.3598e-01],  
 [4.6523e+00, 5.6850e-03, 4.0423e-01],  
 [3.7613e-01, 1.0918e-04, 3.7625e-02],  
 [2.4888e+01, 2.5551e-01, 2.1660e+00],  
 [1.6627e-01, 1.0909e-05, 2.0850e-02],  
 [9.5548e-01, 2.7131e-04, 7.5850e-02],  
 [1.1682e+01, 5.4545e-02, 6.2341e-01],  
 [2.5023e+01, 2.1205e-01, 1.0985e+00],  
 [3.2230e+01, 6.7918e-02, 1.2861e+00],  
 [4.9334e-02, 3.8815e-07, 6.5101e-03],  
 [3.8144e-01, 5.1095e-06, 3.5525e-02],  
 [1.8364e-01, 4.0444e-05, 2.3346e-02],  
 [5.4973e+00, 2.2565e-03, 2.4515e-01],  
 [2.4170e-01, 1.4509e-05, 2.8015e-02],  
 [5.0898e-01, 8.9560e-05, 5.1996e-02],  
 [7.1322e+01, 7.3006e-01, 1.8713e+00],  
 [6.5099e+00, 9.6762e-03, 3.7036e-01],  
 [2.6582e+01, 3.4841e-02, 1.2381e+00],  
 [7.4692e+01, 5.4600e-01, 3.5389e+00],  
 [9.2030e-01, 1.6325e-04, 8.2993e-02],  
 [1.7716e+01, 2.5594e-02, 4.9446e-01],  
 [4.1744e+01, 4.4894e-01, 2.2950e+00],  
 [3.8293e+01, 3.8071e-01, 1.2806e+00],  
 [1.7784e+02, 2.6043e-01, 4.4234e+00],  
 [3.1655e+01, 3.5423e-01, 1.5121e+00],  
 [8.1472e+01, 1.2796e+00, 2.3929e+00],  
 [1.9093e+00, 1.4058e-04, 1.2097e-01],  
 [1.4439e+02, 9.6748e-01, 4.4769e+00],  
 [8.5563e+00, 8.1578e-03, 4.3096e-01],  
 [8.8730e-01, 2.6713e-04, 1.0718e-01],  
 [5.4569e+01, 2.7006e-01, 1.5460e+00],  
 [3.6209e+00, 2.8099e-03, 1.9961e-01],  
 [5.9254e+00, 1.3101e-02, 5.8206e-01],  
 [4.5134e+01, 3.4304e-02, 1.5993e+00],  
 [1.8101e+00, 2.2787e-03, 2.0614e-01],  
 [5.9031e+01, 4.6013e-01, 2.4942e+00],  
 [5.0028e-01, 7.3282e-06, 5.1691e-02],  
 [5.3015e-01, 1.3970e-04, 6.6122e-02],  
 [1.9548e+01, 5.3400e-02, 1.0418e+00],  
 [5.8155e+01, 6.5234e-01, 2.2488e+00],  
 [1.2818e+02, 2.9141e+00, 3.7294e+00],  
 [1.2928e+00, 8.2192e-05, 9.1027e-02],  
 [2.3082e+01, 1.0022e-01, 1.7302e+00],  
 [1.0526e-02, 1.4558e-08, 1.6417e-03],  
 [5.3223e+00, 9.6028e-04, 2.7681e-01],  
 [2.3876e+01, 7.9068e-02, 1.1709e+00],  
 [1.1697e+02, 7.0584e-01, 3.9662e+00],  
 [1.9506e+02, 6.7460e+00, 4.1997e+00],

[7.2810e+00, 6.0281e-03, 4.6304e-01],  
 [1.5961e+01, 8.0030e-02, 6.6955e-01],  
 [1.8656e+02, 7.0105e+00, 4.2961e+00],  
 [3.0595e+00, 1.0986e-03, 3.9415e-01],  
 [3.2241e+00, 1.0851e-03, 2.9726e-01],  
 [8.8422e-01, 2.3841e-04, 7.8842e-02],  
 [1.3692e+00, 8.2946e-05, 7.5424e-02],  
 [8.2366e-02, 7.2965e-06, 1.1768e-02],  
 [2.5123e+01, 3.1064e-02, 8.4838e-01],  
 [2.1949e+01, 8.7398e-02, 1.2622e+00],  
 [1.7605e+00, 3.7076e-04, 1.6898e-01],  
 [8.6178e-02, 3.2421e-06, 1.2339e-02],  
 [7.9166e+00, 4.1383e-03, 3.7193e-01],  
 [2.9385e-01, 3.3979e-06, 3.1260e-02],  
 [2.6737e-03, 6.0883e-10, 4.2390e-04],  
 [4.1541e+01, 1.0206e-01, 1.4205e+00],  
 [3.0645e-01, 6.8384e-05, 3.7110e-02],  
 [2.0535e+01, 1.7024e-01, 8.7874e-01],  
 [1.0991e+00, 3.5899e-04, 8.4136e-02],  
 [4.4463e+01, 3.3518e-01, 1.3699e+00],  
 [1.1498e+01, 4.1979e-02, 5.5139e-01],  
 [5.7738e+00, 1.5532e-03, 2.4907e-01],  
 [1.1383e+02, 6.0180e-01, 3.1283e+00],  
 [1.1693e+02, 2.3387e+00, 4.1998e+00],  
 [1.6110e+00, 1.3793e-03, 1.2348e-01],  
 [1.2435e+00, 8.8150e-05, 1.1397e-01],  
 [3.1942e+00, 9.8067e-03, 4.0474e-01],  
 [4.9288e+00, 9.0147e-03, 4.4292e-01],  
 [1.3631e+01, 3.9807e-03, 6.7398e-01],  
 [8.0885e+01, 1.8834e-01, 2.3315e+00],  
 [1.5197e+02, 7.1266e-01, 4.2261e+00],  
 [1.9550e+01, 8.4348e-02, 1.0852e+00],  
 [3.0148e-02, 1.1218e-06, 4.3811e-03],  
 [7.3112e+01, 8.6741e-01, 2.5558e+00],  
 [5.2253e-01, 8.2307e-05, 6.0202e-02],  
 [3.6301e+01, 2.2000e-01, 1.9261e+00],  
 [2.7000e+00, 3.0828e-03, 2.2216e-01],  
 [3.8921e+00, 3.5658e-03, 2.6004e-01],  
 [1.1853e-01, 1.8335e-06, 1.7832e-02],  
 [1.3663e+02, 8.2223e-01, 3.0597e+00],  
 [2.0158e+00, 5.4272e-04, 2.2503e-01],  
 [6.1153e+00, 1.1017e-02, 3.9769e-01],  
 [1.2919e-01, 5.0831e-06, 1.6669e-02],  
 [7.1488e+01, 5.6260e-01, 1.4636e+00],  
 [6.6421e+00, 9.6200e-03, 4.6123e-01],  
 [1.5033e+00, 3.1091e-03, 1.9173e-01],  
 [8.8952e+01, 4.1891e-01, 3.5063e+00],  
 [2.2038e+01, 4.9073e-02, 9.0468e-01],

[1.6431e+01, 1.2620e-01, 1.1047e+00],  
 [2.8988e+01, 1.1197e-01, 9.3960e-01],  
 [1.5208e-02, 2.6371e-08, 2.3257e-03],  
 [2.6260e+01, 2.1359e-02, 7.3724e-01],  
 [2.2848e-03, 6.2803e-10, 3.6198e-04],  
 [1.5243e+01, 6.2484e-02, 6.6776e-01],  
 [5.9201e+01, 6.5099e-01, 2.5793e+00],  
 [5.2273e+00, 3.4796e-03, 2.3912e-01],  
 [3.2406e+00, 4.2301e-03, 3.2461e-01],  
 [7.4893e+01, 2.9122e-01, 1.4108e+00],  
 [1.0702e+01, 1.0227e-02, 5.5607e-01],  
 [2.5725e-03, 1.3326e-09, 4.0796e-04],  
 [1.9521e-02, 3.6668e-07, 3.0301e-03],  
 [1.7229e+02, 6.7473e+00, 4.7105e+00],  
 [1.4581e+02, 2.7608e+00, 3.6326e+00],  
 [9.7793e+01, 6.5352e-01, 3.0041e+00],  
 [1.5868e+00, 9.9525e-04, 1.2538e-01],  
 [2.5338e+01, 1.4371e-01, 1.0655e+00],  
 [3.0730e+00, 6.4107e-03, 3.2273e-01],  
 [1.6307e+00, 1.1486e-03, 1.6198e-01],  
 [5.5399e+01, 3.4881e-02, 1.1688e+00],  
 [7.4628e+01, 4.9418e-01, 2.1588e+00],  
 [9.5779e+00, 4.3859e-02, 6.2515e-01],  
 [9.4356e+00, 2.7468e-02, 6.0314e-01],  
 [1.6214e+02, 2.6055e+00, 4.0484e+00],  
 [1.8185e+00, 6.3293e-04, 2.1548e-01],  
 [8.7966e+01, 1.7680e+00, 2.3740e+00],  
 [8.6168e+00, 2.8137e-02, 7.2034e-01],  
 [3.2527e+00, 5.9253e-03, 2.5091e-01],  
 [3.8652e+00, 2.3265e-03, 2.7356e-01],  
 [1.4480e-01, 1.2967e-05, 1.5730e-02],  
 [2.8889e+02, 6.1787e+00, 4.8743e+00],  
 [4.2313e+00, 4.4899e-03, 2.7879e-01],  
 [4.9806e+00, 9.0197e-03, 4.0725e-01],  
 [8.5723e+00, 3.2362e-02, 6.4050e-01],  
 [3.4228e+00, 9.6067e-03, 4.0315e-01],  
 [8.3774e+00, 2.7533e-02, 4.7827e-01],  
 [9.1181e+00, 3.7784e-03, 4.6297e-01],  
 [1.4788e+02, 9.0281e-01, 4.6606e+00],  
 [5.2525e+01, 3.7154e-01, 2.3532e+00],  
 [1.0247e+02, 1.2348e+00, 3.2952e+00],  
 [1.6039e-01, 8.5794e-06, 1.9229e-02],  
 [1.9403e+01, 1.4665e-02, 6.5239e-01],  
 [7.8141e-01, 3.9937e-05, 8.0326e-02],  
 [2.9666e+01, 2.0248e-01, 1.2459e+00],  
 [3.0484e+01, 1.5866e-01, 1.9087e+00],  
 [4.3420e+00, 9.8204e-04, 3.8315e-01],  
 [3.8957e+01, 1.8881e-01, 1.4875e+00],



[7.6521e-03, 2.5683e-09, 1.1611e-03],  
 [2.0397e+00, 1.2805e-03, 1.5448e-01],  
 [8.9320e+01, 9.5061e-01, 3.5643e+00],  
 [1.7832e+00, 1.2159e-03, 1.4207e-01],  
 [2.1571e-01, 2.2620e-05, 3.0885e-02],  
 [2.4058e-01, 2.1483e-05, 3.1411e-02],  
 [1.1430e+00, 1.2503e-04, 1.0321e-01],  
 [5.1613e+01, 2.3449e-01, 1.4059e+00],  
 [3.6866e+01, 1.1553e-01, 2.4524e+00],  
 [1.4219e-01, 6.4424e-06, 1.5734e-02],  
 [3.7408e-02, 8.5683e-07, 5.5743e-03],  
 [1.5351e+01, 2.7391e-02, 5.4832e-01],  
 [1.7891e+01, 7.8892e-02, 9.6178e-01],  
 [1.0990e+02, 7.2633e-01, 3.6403e+00],  
 [4.9849e-01, 5.2282e-05, 6.2320e-02],  
 [4.0007e-01, 3.9752e-05, 4.8362e-02],  
 [9.3799e+00, 2.6654e-02, 4.2066e-01],  
 [2.6018e+02, 3.8295e+00, 4.5604e+00],  
 [1.2608e+00, 2.9466e-04, 1.2201e-01],  
 [1.5480e+02, 3.6391e+00, 4.7004e+00],  
 [8.1043e-01, 4.9847e-04, 7.9438e-02],  
 [2.7555e-03, 2.5920e-09, 4.4554e-04],  
 [4.6492e-02, 1.2666e-06, 6.1710e-03],  
 [3.3223e+00, 7.5077e-04, 1.4602e-01],  
 [2.1573e+02, 8.2405e+00, 4.0960e+00],  
 [2.6161e+01, 2.0733e-01, 8.8857e-01],  
 [1.1150e+02, 9.5285e-01, 3.2176e+00],  
 [3.8954e+00, 4.5386e-03, 2.3053e-01],  
 [5.1864e-03, 7.8428e-09, 8.2696e-04],  
 [5.6871e-01, 4.4464e-04, 7.2111e-02],  
 [6.6701e-01, 7.7425e-05, 4.6533e-02],  
 [4.6904e+01, 4.6679e-02, 2.4405e+00],  
 [3.0821e-01, 3.4598e-06, 3.6070e-02],  
 [1.7780e+01, 3.9409e-02, 7.5480e-01],  
 [9.8197e+00, 1.9502e-03, 4.1815e-01],  
 [2.2673e-01, 6.6546e-05, 3.1156e-02],  
 [2.4775e+01, 7.8260e-02, 1.0058e+00],  
 [1.0866e+00, 1.5454e-04, 6.9466e-02],  
 [1.2365e+00, 2.5168e-04, 1.3719e-01],  
 [2.6332e-01, 1.0785e-05, 3.0281e-02],  
 [1.7878e+00, 9.6768e-04, 1.2952e-01],  
 [3.4904e+00, 3.4684e-03, 2.2335e-01],  
 [1.0536e-01, 5.8008e-06, 1.2150e-02],  
 [3.2107e-03, 1.9975e-09, 5.2387e-04],  
 [1.3085e+01, 1.9991e-02, 7.1266e-01],  
 [7.3484e+01, 8.5927e-01, 1.6789e+00],  
 [7.5968e-02, 9.7981e-07, 1.0646e-02],  
 [6.7549e-01, 3.5441e-04, 6.8012e-02],

```

[9.1032e+00, 1.0322e-02, 4.2401e-01],
[6.3253e-01, 1.7561e-04, 6.5053e-02],
[6.6514e+00, 2.4970e-03, 5.0744e-01],
[1.1677e+02, 1.9239e+00, 2.3383e+00],
[3.2979e+00, 5.9543e-04, 2.8800e-01],
[6.1507e+01, 6.9272e-01, 2.9540e+00],
[1.4012e+00, 2.2178e-04, 1.1425e-01],
[1.1254e+02, 1.4578e+00, 4.3826e+00],
[5.0285e+00, 5.3280e-03, 3.0853e-01],
[1.6426e+02, 6.9665e-01, 3.3724e+00],
[2.3007e+00, 1.5828e-03, 2.0230e-01],
[1.1472e-01, 1.0539e-05, 1.3789e-02],
[5.0178e+01, 2.0784e-01, 2.3438e+00],
[1.6247e+00, 2.3806e-04, 1.4041e-01],
[1.1139e+00, 3.5539e-04, 1.0219e-01],
[5.6471e+01, 1.6908e-02, 1.7911e+00],
[1.6960e+00, 2.0892e-04, 1.6372e-01],
[5.1774e-01, 6.7252e-05, 4.5910e-02],
[3.2304e-01, 5.0216e-05, 2.7654e-02],
[3.0739e-02, 2.4943e-07, 4.5061e-03],
[2.0128e+00, 3.1797e-04, 1.2564e-01],
[6.5853e-01, 9.7473e-05, 5.7032e-02],
[9.0897e+00, 1.2151e-02, 4.6530e-01],
[2.7400e+01, 2.4467e-02, 1.6769e+00],
[8.4256e+00, 8.2464e-03, 8.5842e-01],
[9.0139e-03, 1.9396e-08, 1.3529e-03],
[2.7585e-02, 3.6617e-07, 3.8995e-03],
[1.1463e+01, 1.0239e-02, 3.7130e-01],
[3.5445e+01, 1.2074e-01, 2.0025e+00],
[4.7755e+00, 2.3942e-03, 2.8183e-01],
[1.7534e+00, 1.2260e-03, 1.5346e-01],
[1.9369e-01, 5.6111e-06, 2.4458e-02],
[1.9241e+00, 1.1796e-03, 1.2851e-01],
[1.9075e+01, 2.8226e-02, 8.5338e-01],
[2.0681e-01, 8.8970e-06, 2.1306e-02],
[7.2236e+00, 9.0943e-03, 3.3950e-01]], dtype=torch.float64)
Iteration: 53
Inputs: tensor([[2.4001e+19, 2.6850e+02, 5.6843e+00, 3.1577e+00],
[6.8252e+19, 2.1159e+02, 8.0655e-01, 1.3535e+00],
[1.2705e+20, 1.4908e+02, 1.6563e+01, 9.3511e+00],
...,
[1.4171e+19, 4.3117e+02, 4.7217e+00, 9.5187e+00],
[2.0269e+18, 3.7580e+02, 8.9636e+00, 5.4205e+00],
[2.4312e+20, 3.7477e+02, 1.6450e+01, 1.0838e+00]], dtype=torch.float64)
Target: tensor([[7.9548e+00, 3.1471e-03, 4.4986e-01],
[3.1972e+01, 4.3857e-03, 1.0790e+00],
[2.3389e+01, 2.6313e-01, 1.2610e+00],
[4.3164e+01, 1.2551e-01, 2.1409e+00],

```

[4.0095e+00, 4.2856e-03, 2.8455e-01],  
 [9.3708e+01, 1.5310e+00, 2.3812e+00],  
 [3.3184e+01, 2.0677e-01, 1.8917e+00],  
 [4.7997e-02, 1.8099e-07, 6.3805e-03],  
 [3.4166e+00, 3.0356e-03, 1.8989e-01],  
 [6.6787e+00, 1.2962e-02, 3.2629e-01],  
 [2.6827e+00, 3.1040e-03, 2.0104e-01],  
 [2.4012e+00, 3.3953e-03, 1.8589e-01],  
 [7.7829e-01, 2.7761e-04, 6.5962e-02],  
 [4.2391e-01, 1.5882e-05, 4.9786e-02],  
 [3.0499e+01, 1.1919e-01, 8.4802e-01],  
 [4.5016e+01, 4.7808e-01, 1.4716e+00],  
 [2.2270e+00, 4.7738e-04, 1.7040e-01],  
 [1.2432e+01, 1.3406e-02, 1.0518e+00],  
 [3.6694e+01, 1.8247e-01, 1.2269e+00],  
 [8.5787e-03, 1.1476e-08, 1.2920e-03],  
 [1.8389e+00, 7.2358e-04, 1.5579e-01],  
 [1.8690e+00, 8.2059e-04, 1.8768e-01],  
 [2.5614e+00, 2.4889e-03, 1.7114e-01],  
 [1.7062e+02, 5.9948e+00, 4.6364e+00],  
 [1.8634e+00, 1.8008e-03, 1.6649e-01],  
 [2.2845e-02, 2.2809e-07, 3.2360e-03],  
 [4.4241e-02, 2.5385e-06, 6.5075e-03],  
 [1.7757e+01, 1.7138e-01, 1.3524e+00],  
 [7.8251e-03, 2.7894e-08, 1.2337e-03],  
 [5.9841e+01, 2.3341e-01, 1.2280e+00],  
 [2.0743e+01, 1.8175e-02, 6.4207e-01],  
 [2.6853e-01, 1.5718e-05, 2.7688e-02],  
 [6.5638e+01, 6.3133e-01, 3.2666e+00],  
 [3.7329e+01, 1.6148e-01, 1.3264e+00],  
 [1.8170e+01, 1.9529e-02, 1.2597e+00],  
 [4.8169e+01, 3.5458e-02, 1.0135e+00],  
 [7.2252e+01, 2.2823e-01, 2.4241e+00],  
 [4.8257e-01, 7.9881e-05, 3.9882e-02],  
 [3.6792e+01, 3.6212e-01, 1.4049e+00],  
 [1.1492e-02, 4.7799e-08, 1.7685e-03],  
 [1.3156e+01, 3.8580e-02, 9.2801e-01],  
 [3.0352e-02, 5.8551e-07, 4.1960e-03],  
 [1.9893e+01, 3.6755e-02, 1.7303e+00],  
 [2.6673e+02, 5.4898e+00, 4.4647e+00],  
 [2.2687e-01, 1.5620e-05, 2.9158e-02],  
 [1.2931e+02, 1.6782e+00, 3.9198e+00],  
 [1.0316e-01, 8.6699e-07, 1.3095e-02],  
 [2.9185e-01, 2.4819e-05, 2.6114e-02],  
 [4.1842e-01, 6.9159e-05, 4.6057e-02],  
 [1.6450e+01, 1.9591e-02, 1.5065e+00],  
 [1.8953e+00, 5.6760e-04, 1.7283e-01],  
 [1.3362e-02, 5.7178e-08, 2.0780e-03],

[4.6645e-01, 7.8027e-05, 4.3298e-02],  
 [1.1152e+01, 9.4303e-03, 7.6832e-01],  
 [1.1679e+00, 2.0483e-04, 1.0437e-01],  
 [5.6636e-01, 8.0313e-05, 5.0986e-02],  
 [1.0464e+01, 1.1985e-02, 7.1101e-01],  
 [4.5239e+01, 1.8203e-01, 1.4361e+00],  
 [3.4905e+00, 7.9320e-03, 3.6284e-01],  
 [1.3094e+00, 3.4912e-05, 1.2865e-01],  
 [5.2369e+01, 2.9954e-01, 2.8576e+00],  
 [6.1388e+00, 4.8049e-03, 4.0710e-01],  
 [2.5354e-01, 1.0055e-06, 2.7968e-02],  
 [8.8194e+00, 8.3639e-03, 9.7141e-01],  
 [2.1777e+00, 1.0314e-04, 1.1597e-01],  
 [3.4037e-01, 8.1579e-05, 3.5297e-02],  
 [4.7029e-01, 1.8588e-05, 5.8529e-02],  
 [1.0359e+00, 3.2492e-04, 1.1472e-01],  
 [1.7973e+01, 4.6828e-02, 5.7225e-01],  
 [3.2549e+01, 1.2686e-01, 1.2738e+00],  
 [1.9078e-01, 1.2814e-05, 2.5776e-02],  
 [1.7299e+01, 1.2350e-01, 7.1363e-01],  
 [1.2284e+02, 4.0115e+00, 3.0883e+00],  
 [1.3017e-01, 5.7635e-06, 1.4724e-02],  
 [2.2088e+01, 9.5465e-02, 9.8395e-01],  
 [1.8571e-02, 6.7193e-08, 2.6533e-03],  
 [7.0614e-01, 4.8904e-04, 8.9553e-02],  
 [2.9645e+01, 1.1716e-01, 1.4083e+00],  
 [2.3299e+01, 1.4345e-01, 9.3535e-01],  
 [5.1430e+01, 1.7945e-01, 3.2148e+00],  
 [1.0244e+00, 3.2050e-04, 8.1598e-02],  
 [8.4386e+01, 9.1640e-01, 2.0371e+00],  
 [1.1153e-01, 1.7263e-06, 1.5118e-02],  
 [1.8209e-01, 7.2782e-07, 1.8784e-02],  
 [3.9944e+01, 2.9638e-01, 2.8554e+00],  
 [1.8955e+01, 1.5841e-02, 8.5100e-01],  
 [2.0390e+00, 4.2026e-04, 1.7250e-01],  
 [1.0826e+00, 8.2124e-05, 9.9963e-02],  
 [1.5938e+01, 5.3691e-02, 7.4421e-01],  
 [6.3654e+00, 9.7302e-03, 4.6316e-01],  
 [1.4407e+01, 7.7439e-02, 8.0670e-01],  
 [5.7583e+01, 2.1027e-01, 1.5086e+00],  
 [1.1495e-01, 2.2799e-06, 1.3523e-02],  
 [2.8714e-01, 3.3777e-06, 2.8542e-02],  
 [9.6786e+00, 4.6852e-03, 6.9383e-01],  
 [9.2343e+01, 3.4850e-01, 3.2044e+00],  
 [2.6693e+01, 2.0889e-01, 8.2663e-01],  
 [2.3464e+00, 8.1228e-04, 2.0849e-01],  
 [6.2922e+01, 2.5124e-01, 1.8030e+00],  
 [8.1112e-01, 2.2008e-05, 7.3514e-02],

[2.9469e-01, 3.1307e-05, 4.2482e-02],  
 [3.2040e+00, 4.8963e-03, 2.3846e-01],  
 [6.5316e+00, 2.1981e-03, 2.5003e-01],  
 [5.0204e+00, 3.3627e-03, 3.5759e-01],  
 [8.8442e-01, 1.6053e-04, 1.1642e-01],  
 [3.7760e-01, 1.0899e-04, 4.1687e-02],  
 [5.8994e+01, 9.2847e-01, 1.9154e+00],  
 [8.8336e-02, 2.5823e-06, 1.0523e-02],  
 [2.1447e-01, 1.9163e-05, 2.3543e-02],  
 [1.9928e+01, 7.1074e-02, 6.3273e-01],  
 [5.2775e+01, 9.2501e-02, 1.9596e+00],  
 [2.0032e+01, 1.1026e-02, 5.4935e-01],  
 [1.9004e+00, 1.7515e-03, 1.7043e-01],  
 [3.3528e+00, 1.1283e-03, 1.6430e-01],  
 [6.6066e-01, 1.5688e-04, 5.1025e-02],  
 [2.8751e-01, 3.0485e-05, 3.3094e-02],  
 [2.7258e+01, 8.7059e-02, 1.5455e+00],  
 [1.5310e+02, 2.8031e+00, 4.4049e+00],  
 [5.3791e+01, 3.8405e-01, 1.6903e+00],  
 [2.5088e-01, 4.7042e-05, 3.5332e-02],  
 [1.0531e+01, 1.2060e-02, 4.2194e-01],  
 [2.5227e+00, 1.3234e-03, 1.9887e-01],  
 [3.0111e+01, 5.5973e-02, 1.9593e+00],  
 [1.1303e-01, 9.1769e-07, 1.6075e-02],  
 [4.2195e+01, 8.5250e-01, 1.9604e+00],  
 [1.3013e-01, 3.0643e-06, 1.4131e-02],  
 [2.4703e+01, 1.0620e-01, 8.8462e-01],  
 [1.5391e+00, 1.8861e-04, 1.0766e-01],  
 [1.8203e+02, 6.2913e+00, 3.8648e+00],  
 [1.3139e+01, 5.0874e-03, 6.0937e-01],  
 [2.3299e+00, 4.2655e-04, 2.0097e-01],  
 [2.5124e+01, 1.7749e-01, 1.8196e+00],  
 [2.1131e+01, 1.5517e-01, 1.1571e+00],  
 [3.2757e-02, 3.8191e-07, 4.6961e-03],  
 [3.0892e+00, 1.9217e-03, 2.1540e-01],  
 [5.0775e-01, 8.9749e-06, 4.6544e-02],  
 [4.6359e-02, 1.9644e-06, 6.6363e-03],  
 [8.6595e-01, 3.4740e-04, 7.8930e-02],  
 [1.1681e+01, 7.9640e-02, 1.1191e+00],  
 [1.5457e+01, 1.1350e-02, 1.0425e+00],  
 [4.9575e+01, 9.2119e-02, 1.8557e+00],  
 [9.9813e+00, 1.9694e-02, 5.4181e-01],  
 [8.9163e+01, 5.7457e-01, 3.1829e+00],  
 [6.3209e-02, 5.2525e-06, 8.2589e-03],  
 [1.8431e+02, 2.5329e+00, 4.5070e+00],  
 [1.5393e+00, 7.1871e-04, 1.0235e-01],  
 [1.5136e+01, 1.9113e-02, 5.8644e-01],  
 [1.5786e+01, 3.7789e-02, 6.2726e-01],

[1.0844e+00, 2.4239e-04, 1.1518e-01],  
 [4.8839e+01, 6.1936e-02, 2.6979e+00],  
 [4.6769e+01, 3.5221e-01, 1.0753e+00],  
 [1.6793e-01, 8.0252e-06, 2.0783e-02],  
 [3.9708e-01, 3.0739e-05, 4.4199e-02],  
 [8.7240e+01, 1.8935e+00, 2.3216e+00],  
 [9.2285e-01, 2.4424e-05, 5.8883e-02],  
 [9.0265e-01, 2.3661e-05, 7.1636e-02],  
 [1.7594e+00, 3.6807e-04, 1.3077e-01],  
 [1.9730e-01, 1.1521e-05, 2.3512e-02],  
 [8.3622e+01, 6.7459e-01, 3.4465e+00],  
 [1.0953e+01, 1.4663e-03, 5.1033e-01],  
 [1.3532e+00, 4.2246e-05, 9.8342e-02],  
 [1.8352e+01, 4.0081e-02, 1.1213e+00],  
 [1.7340e+01, 5.7226e-02, 7.4166e-01],  
 [8.2502e-04, 4.1123e-10, 1.3355e-04],  
 [1.3684e-01, 7.1872e-06, 1.7318e-02],  
 [8.8432e-04, 5.4173e-10, 1.4440e-04],  
 [3.9615e+00, 2.5740e-03, 4.2702e-01],  
 [6.6924e-02, 1.2387e-07, 8.4733e-03],  
 [2.2971e+01, 1.3534e-01, 9.9287e-01],  
 [1.1520e+01, 1.4750e-03, 5.6867e-01],  
 [1.4100e+00, 5.4546e-04, 1.0570e-01],  
 [1.1408e+02, 2.0569e+00, 2.2956e+00],  
 [3.7523e-01, 4.1904e-05, 3.4149e-02],  
 [6.3245e+01, 5.7759e-01, 1.9144e+00],  
 [3.2191e+00, 2.0128e-04, 1.9123e-01],  
 [1.0699e+00, 1.6449e-04, 8.8805e-02],  
 [9.9285e-01, 9.3874e-05, 1.1558e-01],  
 [5.6331e+01, 3.3877e-01, 1.5839e+00],  
 [3.3060e-03, 1.6884e-09, 5.1742e-04],  
 [4.9843e-01, 1.7559e-04, 5.7316e-02],  
 [1.4524e+02, 1.6720e+00, 3.8084e+00],  
 [9.6864e+01, 6.4161e-01, 1.8319e+00],  
 [1.7427e+00, 6.4136e-04, 1.1332e-01],  
 [9.0253e+01, 2.1029e+00, 2.4596e+00],  
 [1.4940e+02, 4.0842e+00, 3.6374e+00],  
 [7.3767e+00, 2.2955e-02, 7.0652e-01],  
 [1.9072e-02, 2.6264e-07, 2.8912e-03],  
 [4.7639e-02, 1.7485e-07, 7.0122e-03],  
 [1.4522e+02, 3.1032e+00, 3.2609e+00],  
 [2.6811e+02, 4.1217e+00, 4.7141e+00],  
 [7.8835e-01, 2.8515e-04, 7.0668e-02],  
 [7.3325e-02, 1.6419e-06, 9.2445e-03],  
 [2.1214e+00, 1.5175e-03, 1.5243e-01],  
 [1.1045e+02, 2.1054e+00, 4.3921e+00],  
 [3.3506e-01, 2.3642e-05, 4.1594e-02],  
 [8.5976e-02, 6.9174e-07, 1.0216e-02],

[1.7313e+00, 1.7759e-03, 2.2462e-01],  
 [1.5214e+02, 7.8411e-01, 3.1959e+00],  
 [7.1861e+00, 7.7901e-03, 6.0509e-01],  
 [9.0379e+01, 1.1635e+00, 2.7997e+00],  
 [2.1595e+01, 1.0295e-02, 1.4633e+00],  
 [5.3635e+00, 2.2086e-02, 5.1270e-01],  
 [3.0746e+01, 1.8722e-01, 1.7674e+00],  
 [6.0403e+01, 9.6863e-02, 2.1090e+00],  
 [6.8971e-01, 3.0203e-04, 8.8901e-02],  
 [6.3634e-01, 5.8763e-05, 8.2270e-02],  
 [1.5742e-01, 1.5452e-05, 2.1828e-02],  
 [4.6430e-02, 1.8367e-07, 6.5832e-03],  
 [7.1158e+00, 2.0272e-03, 3.4726e-01],  
 [1.1416e+01, 3.6840e-02, 8.4345e-01],  
 [1.4343e+01, 4.1437e-02, 1.1001e+00],  
 [2.8652e+00, 2.8072e-03, 1.7243e-01],  
 [5.5550e+00, 2.8017e-03, 2.2020e-01],  
 [4.1465e+01, 9.4152e-02, 2.8647e+00],  
 [4.9670e+00, 1.8056e-03, 4.3788e-01],  
 [2.2722e+01, 9.2916e-02, 9.1768e-01],  
 [2.0625e-01, 1.3015e-05, 2.3145e-02],  
 [1.4908e+00, 1.8201e-03, 1.5909e-01],  
 [1.4117e+00, 7.6433e-04, 1.2049e-01],  
 [3.4659e-01, 8.9792e-05, 4.3241e-02],  
 [2.6945e+01, 2.6942e-01, 9.7377e-01],  
 [1.6333e+00, 3.2392e-05, 1.0552e-01],  
 [1.7831e+01, 8.8784e-02, 6.8694e-01],  
 [3.6621e-01, 7.2720e-06, 2.9280e-02],  
 [1.2674e+02, 2.5627e+00, 4.2380e+00],  
 [3.5645e+00, 7.5248e-04, 2.2090e-01],  
 [7.7526e+00, 6.7031e-03, 6.6338e-01],  
 [2.6080e+00, 2.4861e-03, 3.1538e-01],  
 [3.0834e+01, 6.4083e-01, 2.3016e+00],  
 [1.0300e+01, 3.3918e-03, 5.4630e-01],  
 [1.6551e-01, 2.9947e-05, 2.1372e-02],  
 [5.0195e+01, 4.0797e-01, 1.8666e+00],  
 [9.7941e-01, 8.3850e-05, 1.0799e-01],  
 [2.3424e+00, 4.7491e-04, 2.0094e-01],  
 [8.3129e+00, 5.4749e-03, 4.5082e-01],  
 [8.8242e-02, 3.6576e-06, 1.1545e-02],  
 [2.3216e+01, 1.5564e-02, 8.6265e-01],  
 [1.6092e+00, 3.4078e-04, 8.4685e-02],  
 [7.2074e+01, 1.4242e+00, 3.3940e+00],  
 [1.2404e+02, 2.1129e+00, 3.4985e+00],  
 [2.0142e+02, 3.9062e+00, 3.7568e+00],  
 [6.0488e-01, 6.8097e-05, 4.4674e-02],  
 [1.8809e-01, 3.9526e-06, 2.3273e-02],  
 [2.7679e+00, 2.7973e-04, 2.6018e-01],

[5.7632e+01, 1.0468e+00, 1.6104e+00],  
 [8.6049e-01, 2.9323e-04, 7.1133e-02],  
 [8.2327e-01, 4.8636e-04, 8.1642e-02],  
 [4.5521e+00, 1.1370e-02, 3.5661e-01],  
 [8.3501e-01, 2.7925e-04, 8.1056e-02],  
 [5.0043e-02, 8.3995e-07, 6.5576e-03],  
 [1.0931e+02, 8.7898e-01, 2.6177e+00],  
 [6.1107e+01, 5.4320e-02, 1.4939e+00],  
 [5.9385e+01, 1.1848e+00, 3.0643e+00],  
 [4.5699e+01, 3.9350e-01, 1.6021e+00],  
 [2.4421e+01, 1.7052e-01, 1.1620e+00],  
 [5.3574e-02, 2.0919e-06, 7.0164e-03],  
 [2.2206e+02, 4.6014e+00, 3.6879e+00],  
 [2.4752e+00, 3.1705e-03, 1.9705e-01],  
 [1.7663e-02, 1.3035e-07, 2.7028e-03],  
 [3.1629e+00, 2.0952e-04, 2.3873e-01],  
 [1.1006e-02, 1.7873e-07, 1.6751e-03],  
 [4.7225e-02, 3.0123e-06, 6.3920e-03],  
 [4.7555e+01, 4.6830e-01, 1.7485e+00],  
 [3.0393e+01, 3.5742e-02, 1.5433e+00],  
 [3.5561e+00, 1.6534e-03, 3.1590e-01],  
 [6.0585e+01, 1.2760e-01, 3.0199e+00],  
 [1.2411e+02, 4.4674e+00, 3.9052e+00],  
 [1.1867e+00, 2.3514e-04, 1.1128e-01],  
 [2.9627e+02, 7.7196e+00, 5.1280e+00],  
 [4.7760e-01, 6.5004e-05, 4.7380e-02],  
 [1.5612e+01, 8.9806e-02, 7.3112e-01],  
 [8.1290e+00, 7.9426e-03, 7.2214e-01],  
 [4.6669e-02, 1.8730e-06, 6.9069e-03],  
 [4.7846e+01, 2.5976e-01, 2.8519e+00],  
 [4.1397e-02, 2.7613e-07, 5.8056e-03],  
 [4.0400e+01, 1.9926e-01, 1.1322e+00],  
 [1.8065e+01, 5.9116e-02, 1.3568e+00],  
 [3.3201e-01, 1.6830e-05, 3.3013e-02],  
 [1.0936e+02, 1.1055e+00, 2.5519e+00],  
 [2.3323e-02, 1.5513e-07, 3.4668e-03],  
 [3.8953e+00, 4.0175e-04, 2.6771e-01],  
 [3.0818e-01, 2.5219e-05, 2.6099e-02],  
 [4.0638e+01, 3.3625e-01, 2.4423e+00],  
 [5.9804e+01, 1.4275e+00, 2.7912e+00],  
 [8.3571e+01, 1.6941e+00, 2.8322e+00],  
 [7.3888e+01, 2.1217e-01, 2.7339e+00],  
 [1.0584e+01, 8.7158e-03, 6.2640e-01],  
 [2.5313e+02, 1.8683e+00, 4.1470e+00],  
 [8.9769e-02, 2.3206e-06, 1.2911e-02],  
 [7.2330e-01, 5.9901e-05, 5.4186e-02],  
 [7.3948e-01, 1.5566e-04, 7.9975e-02],  
 [1.1910e+02, 2.4937e+00, 3.7251e+00],



```

[1.0423e+01, 1.5595e-02, 6.1471e-01],
[3.9953e+01, 5.6862e-01, 2.1616e+00],
[5.3414e+01, 3.7023e-01, 1.5501e+00],
[1.1510e-01, 7.5405e-07, 1.3170e-02],
[6.5796e+00, 8.5225e-04, 4.5513e-01],
[5.1596e-01, 8.5398e-05, 4.9844e-02],
[4.8191e-01, 5.5509e-05, 5.0016e-02],
[2.2180e+01, 2.1546e-02, 1.1990e+00],
[2.6587e+01, 3.4491e-02, 1.5008e+00],
[5.2295e+01, 4.6363e-01, 2.7882e+00],
[1.7024e+02, 2.1574e+00, 3.2941e+00],
[8.3371e+00, 1.3562e-02, 5.2850e-01],
[1.3146e+02, 1.2317e+00, 2.7842e+00],
[3.3011e+00, 8.0094e-04, 3.0221e-01],
[6.2944e+01, 6.4390e-01, 2.9174e+00],
[1.2514e+02, 1.4798e+00, 3.8875e+00],
[1.7926e+00, 9.8764e-04, 2.3432e-01],
[1.4917e+01, 2.8543e-02, 1.4098e+00],
[4.6627e+01, 1.7321e-01, 2.2127e+00],
[2.7643e-01, 1.5433e-05, 2.7956e-02],
[4.5575e-01, 5.5248e-05, 4.0578e-02],
[1.3813e+01, 8.6895e-03, 5.2570e-01],
[9.7894e+01, 7.0710e-01, 2.5934e+00],
[6.3237e+01, 2.8208e-01, 2.6768e+00],
[1.9459e-01, 8.7946e-06, 2.0394e-02],
[1.1586e+01, 1.9842e-02, 3.9900e-01],
[4.3018e-01, 3.4826e-05, 3.9402e-02],
[1.4914e+01, 1.2718e-02, 1.2044e+00]], dtype=torch.float64)
Iteration: 54
Inputs: tensor([[1.0660e+19, 4.0865e+02, 1.7470e+01, 3.8798e+00],
[2.2490e+18, 3.3433e+02, 5.1180e+00, 2.5142e+00],
[6.5830e+19, 2.1502e+02, 2.8389e+00, 6.5817e+00],
...,
[3.4365e+20, 1.5893e+02, 1.9889e+01, 7.6988e+00],
[1.2764e+20, 3.0619e+02, 8.1568e+00, 5.8396e+00],
[4.8363e+20, 4.5789e+02, 1.1657e+01, 5.9142e+00]]), dtype=torch.float64)
Target: tensor([[1.9985e+00, 8.0415e-04, 1.6818e-01],
[3.4351e-01, 6.3699e-06, 3.4604e-02],
[3.4070e+01, 1.0240e-01, 1.0742e+00],
[7.5784e+00, 1.2842e-03, 5.7317e-01],
[4.4578e+00, 5.3443e-03, 2.9488e-01],
[5.0504e+01, 1.9095e-01, 1.6078e+00],
[3.1092e-02, 1.3427e-07, 4.6483e-03],
[2.2686e+01, 1.7088e-01, 1.7515e+00],
[2.8426e+01, 8.2559e-02, 1.0504e+00],
[2.1668e+01, 5.5484e-02, 1.2375e+00],
[4.6459e-03, 4.6862e-09, 7.4610e-04],
[2.5310e+00, 6.6335e-04, 1.1083e-01],

```

[5.9529e-02, 2.5565e-06, 8.2113e-03],  
 [1.8183e-01, 8.4765e-06, 2.0163e-02],  
 [1.2103e-01, 5.1430e-06, 1.3336e-02],  
 [2.1082e+00, 1.6551e-03, 2.2347e-01],  
 [6.3021e+01, 1.9584e-01, 1.2155e+00],  
 [1.9202e-01, 1.3452e-05, 2.0751e-02],  
 [6.1603e+01, 5.4508e-01, 2.0376e+00],  
 [6.4667e-01, 4.6270e-05, 8.5098e-02],  
 [2.0600e+01, 2.6949e-02, 9.8451e-01],  
 [2.6445e+00, 1.5897e-04, 2.5170e-01],  
 [7.7913e-01, 4.6212e-05, 6.9909e-02],  
 [1.9919e+00, 2.7142e-04, 1.4167e-01],  
 [4.9840e+01, 1.2018e-01, 2.3504e+00],  
 [4.3291e+01, 4.4669e-01, 1.3823e+00],  
 [7.4336e+01, 6.8549e-01, 1.4926e+00],  
 [1.3610e+00, 1.1783e-04, 1.2668e-01],  
 [5.6796e-01, 2.4789e-05, 6.3929e-02],  
 [1.7750e+01, 2.6062e-02, 9.5447e-01],  
 [2.9241e+00, 5.2056e-03, 3.1420e-01],  
 [1.9419e+01, 2.7705e-02, 7.0511e-01],  
 [2.8722e+02, 4.8338e+00, 4.8998e+00],  
 [1.1962e+02, 4.2963e+00, 3.2866e+00],  
 [4.2501e-03, 2.2759e-09, 6.6237e-04],  
 [4.5862e+01, 1.5007e-01, 1.7123e+00],  
 [6.9666e+00, 1.2735e-02, 3.9574e-01],  
 [2.2805e+01, 5.3393e-03, 1.0624e+00],  
 [8.9505e+00, 2.5611e-02, 4.5344e-01],  
 [1.8963e-02, 1.0339e-07, 2.7371e-03],  
 [9.3993e+01, 1.0598e+00, 2.1840e+00],  
 [4.3001e+01, 1.0565e-01, 9.8067e-01],  
 [4.5983e+00, 1.4817e-02, 4.5467e-01],  
 [1.1638e+01, 1.8939e-02, 1.0282e+00],  
 [3.0813e+00, 3.3898e-03, 2.1060e-01],  
 [3.8763e+01, 2.1379e-01, 1.1526e+00],  
 [4.1777e-01, 1.0881e-04, 3.8889e-02],  
 [3.0901e+00, 1.6215e-03, 2.7740e-01],  
 [2.7744e+00, 3.2562e-03, 1.6989e-01],  
 [9.9226e-02, 7.5825e-06, 1.4385e-02],  
 [2.4101e-01, 6.6608e-06, 2.5221e-02],  
 [2.5840e+01, 6.7495e-03, 8.7647e-01],  
 [8.5747e+01, 3.6496e-01, 4.0862e+00],  
 [7.9446e+01, 8.1119e-02, 2.1282e+00],  
 [8.9691e-01, 3.2867e-05, 7.3270e-02],  
 [2.9944e-01, 1.0631e-04, 3.8508e-02],  
 [3.8088e-01, 4.9600e-05, 3.7409e-02],  
 [5.3820e-01, 4.0612e-05, 5.9567e-02],  
 [6.2012e+01, 6.7745e-01, 2.4347e+00],  
 [3.0945e+01, 1.1379e-01, 7.0354e-01],

[5.2366e+01, 1.2248e-01, 2.3196e+00],  
 [2.0295e+01, 1.0837e-02, 1.0964e+00],  
 [3.3094e+01, 2.2645e-01, 1.8063e+00],  
 [2.5388e+02, 2.7324e+00, 4.9461e+00],  
 [6.2668e+01, 2.9106e-01, 3.4021e+00],  
 [1.2081e+01, 3.3611e-02, 4.4715e-01],  
 [3.3700e-01, 4.7494e-05, 3.2873e-02],  
 [1.0787e+00, 6.8154e-05, 9.5811e-02],  
 [9.3957e+01, 1.0416e+00, 2.4624e+00],  
 [3.5917e+00, 2.2061e-03, 2.8526e-01],  
 [4.5314e+01, 3.1777e-02, 1.5807e+00],  
 [1.1542e+01, 5.5341e-02, 8.8014e-01],  
 [1.4876e+02, 1.5527e+00, 3.3860e+00],  
 [1.7203e+01, 2.3629e-02, 6.1212e-01],  
 [2.2980e+01, 1.0525e-02, 7.7785e-01],  
 [4.8474e-01, 1.0101e-04, 4.4693e-02],  
 [7.9012e+01, 6.7669e-01, 1.5616e+00],  
 [1.2353e-01, 1.6393e-06, 1.7384e-02],  
 [5.5337e-01, 2.7854e-05, 5.0222e-02],  
 [8.7079e+00, 1.5107e-02, 5.3948e-01],  
 [6.9617e+00, 9.2902e-03, 4.8552e-01],  
 [1.1328e+02, 8.4471e-01, 3.8226e+00],  
 [2.5380e-01, 4.2973e-05, 2.4817e-02],  
 [1.0269e+02, 2.2803e+00, 2.5205e+00],  
 [6.6454e-01, 5.7850e-04, 8.2680e-02],  
 [1.1164e+01, 8.1124e-02, 9.7458e-01],  
 [6.4790e-01, 1.2714e-04, 6.5004e-02],  
 [5.1407e+01, 3.1725e-01, 2.3746e+00],  
 [2.0263e-01, 1.6403e-05, 2.1752e-02],  
 [1.5566e+00, 3.8098e-03, 1.9887e-01],  
 [3.9695e+01, 9.9705e-02, 2.0646e+00],  
 [1.3951e+01, 5.4778e-02, 7.2228e-01],  
 [2.2014e+00, 7.9682e-04, 2.0968e-01],  
 [3.1885e-02, 3.5646e-07, 4.9807e-03],  
 [8.1311e-03, 1.1318e-07, 1.2543e-03],  
 [6.1404e-01, 1.4391e-04, 5.9820e-02],  
 [1.7909e+02, 6.1355e+00, 4.0538e+00],  
 [1.2064e+02, 1.4113e-01, 2.0504e+00],  
 [6.3574e+00, 1.3437e-03, 2.5312e-01],  
 [6.4775e+01, 3.4206e-01, 2.2496e+00],  
 [1.4488e-01, 1.0005e-05, 1.6165e-02],  
 [4.6619e-02, 4.9023e-07, 6.1279e-03],  
 [2.2951e+01, 3.9336e-02, 7.3856e-01],  
 [2.4823e+00, 3.0427e-04, 3.4266e-01],  
 [1.5405e+02, 3.4539e+00, 3.0422e+00],  
 [6.2957e+00, 2.7771e-03, 2.6912e-01],  
 [8.3299e+01, 6.6148e-01, 2.5199e+00],  
 [1.0769e+01, 1.6116e-02, 8.2482e-01],

[5.6502e+00, 1.0859e-02, 4.9612e-01],  
 [2.8369e+01, 1.0771e-01, 1.3493e+00],  
 [2.2220e+02, 5.7307e+00, 4.7298e+00],  
 [4.8518e+01, 4.0510e-01, 1.2630e+00],  
 [7.3950e-01, 6.5271e-06, 6.1528e-02],  
 [3.5029e-01, 1.5382e-05, 4.4323e-02],  
 [4.2306e+01, 6.9914e-01, 2.3663e+00],  
 [5.4953e-01, 1.9705e-04, 7.8092e-02],  
 [6.4864e+01, 6.5022e-01, 3.4678e+00],  
 [4.2085e+01, 7.4023e-02, 1.3430e+00],  
 [3.6841e-02, 1.6159e-07, 5.4253e-03],  
 [2.1070e+01, 9.2617e-02, 1.3071e+00],  
 [1.0842e-03, 5.8273e-10, 1.7567e-04],  
 [3.9587e-02, 9.1022e-07, 5.7344e-03],  
 [2.2257e+01, 6.9998e-02, 7.4961e-01],  
 [9.3451e-02, 1.5333e-06, 1.3006e-02],  
 [3.4232e-01, 3.3963e-05, 5.1004e-02],  
 [5.7955e+00, 6.5620e-03, 4.7449e-01],  
 [5.9908e-01, 2.1482e-04, 5.9632e-02],  
 [2.2257e+02, 5.5158e+00, 4.0985e+00],  
 [2.9264e-01, 1.6282e-05, 3.2028e-02],  
 [4.4993e+00, 4.1771e-04, 3.2752e-01],  
 [8.4730e+00, 2.1632e-02, 4.1334e-01],  
 [7.5065e-02, 1.2097e-06, 9.1917e-03],  
 [1.3875e+01, 5.6114e-02, 5.9254e-01],  
 [5.0380e+00, 1.8325e-02, 5.3843e-01],  
 [3.6442e-02, 6.8903e-07, 5.3707e-03],  
 [2.0055e+01, 2.6192e-02, 5.1081e-01],  
 [2.9610e+01, 2.6096e-01, 9.8043e-01],  
 [5.7606e+01, 1.1556e+00, 1.9616e+00],  
 [3.2068e-01, 3.8871e-05, 3.0054e-02],  
 [2.6092e-02, 4.0264e-07, 3.7752e-03],  
 [4.5206e+01, 2.9397e-01, 1.2406e+00],  
 [3.7863e+00, 4.5368e-04, 4.5977e-01],  
 [1.7234e+02, 5.8354e+00, 4.0793e+00],  
 [6.9346e+00, 8.9348e-03, 3.6598e-01],  
 [5.4407e+00, 1.1000e-02, 5.3909e-01],  
 [9.2071e+01, 1.0953e+00, 2.5305e+00],  
 [7.5585e-01, 8.2041e-05, 4.2985e-02],  
 [2.3153e+01, 1.2840e-01, 7.9708e-01],  
 [5.9276e+01, 5.8610e-01, 2.1965e+00],  
 [9.8372e+01, 2.7472e+00, 3.0529e+00],  
 [4.8118e+00, 3.9939e-03, 5.2579e-01],  
 [1.7660e+01, 6.2708e-02, 8.8491e-01],  
 [5.5224e+01, 2.3190e-01, 1.3107e+00],  
 [3.7890e-02, 9.7083e-08, 5.4145e-03],  
 [4.0117e+00, 1.8084e-03, 3.4108e-01],  
 [8.1086e+01, 9.7209e-02, 3.3269e+00],

[3.2772e+00, 5.7735e-04, 1.8371e-01],  
 [3.1197e+01, 3.2456e-01, 1.4162e+00],  
 [5.6922e+01, 2.2023e-01, 1.4185e+00],  
 [1.5528e-02, 4.7260e-08, 2.4845e-03],  
 [7.3168e-01, 2.2359e-04, 6.4789e-02],  
 [1.1180e+01, 1.9200e-02, 1.2237e+00],  
 [6.3812e+00, 5.7822e-03, 6.0118e-01],  
 [3.4740e+01, 3.8430e-02, 1.2105e+00],  
 [2.5473e+00, 1.7458e-03, 2.1097e-01],  
 [2.1928e+00, 8.9781e-04, 1.2176e-01],  
 [2.4609e+01, 4.7847e-02, 1.4455e+00],  
 [1.5601e-01, 6.3695e-06, 1.8149e-02],  
 [3.0934e-03, 2.7262e-09, 4.8999e-04],  
 [4.4559e+00, 3.9625e-03, 3.0056e-01],  
 [1.6593e-01, 2.7052e-05, 2.0420e-02],  
 [4.5162e-01, 3.7876e-05, 4.7616e-02],  
 [4.1000e+00, 8.3363e-03, 2.8676e-01],  
 [3.9557e+01, 2.0787e-01, 1.4807e+00],  
 [2.6524e+01, 2.4618e-01, 1.0255e+00],  
 [8.8293e+01, 4.8666e-01, 2.0216e+00],  
 [1.9332e+02, 5.0855e+00, 3.4682e+00],  
 [9.2862e-01, 4.8882e-04, 1.1068e-01],  
 [1.6314e-02, 1.8126e-07, 2.3542e-03],  
 [2.9998e-01, 8.6515e-06, 4.2054e-02],  
 [2.1068e+01, 2.3251e-02, 1.5117e+00],  
 [9.3897e-02, 2.0175e-06, 1.1927e-02],  
 [1.0498e+01, 3.5118e-02, 1.1481e+00],  
 [4.6027e+00, 9.6426e-03, 3.7946e-01],  
 [1.4547e+01, 3.3523e-02, 7.8772e-01],  
 [8.2595e+01, 5.7405e-01, 1.6385e+00],  
 [6.8924e-01, 2.1252e-04, 7.7779e-02],  
 [9.7162e+00, 3.9931e-03, 6.9898e-01],  
 [3.8385e-02, 3.0032e-07, 5.5336e-03],  
 [1.9892e+01, 7.5643e-02, 1.2323e+00],  
 [7.9952e+00, 4.1560e-04, 4.2087e-01],  
 [2.0865e-01, 1.2283e-05, 2.2035e-02],  
 [2.0236e+01, 5.7267e-02, 5.6409e-01],  
 [1.1079e+00, 2.0225e-04, 8.5764e-02],  
 [2.9499e+01, 9.7603e-02, 1.9831e+00],  
 [4.9017e+00, 5.8491e-03, 2.8334e-01],  
 [8.2239e-01, 1.2895e-04, 6.2452e-02],  
 [2.1555e+00, 1.5822e-03, 1.8899e-01],  
 [6.4229e+01, 3.4954e-01, 1.9005e+00],  
 [2.6514e+01, 1.3890e-01, 9.2350e-01],  
 [7.5376e+01, 1.2177e+00, 2.4471e+00],  
 [1.7762e+00, 1.3383e-03, 1.2669e-01],  
 [1.2211e-01, 1.0867e-06, 1.5667e-02],  
 [4.9290e-01, 2.3752e-04, 6.9489e-02],

[6.3400e+00, 1.9344e-02, 4.7633e-01],  
 [5.2544e+00, 2.4129e-03, 2.6528e-01],  
 [7.2243e+00, 2.2070e-02, 4.3972e-01],  
 [1.8554e+01, 3.0034e-02, 9.7397e-01],  
 [3.6763e-01, 7.4953e-05, 3.1974e-02],  
 [4.6983e-01, 3.4332e-05, 3.8288e-02],  
 [4.1543e+00, 1.9706e-03, 2.7890e-01],  
 [2.4722e-01, 7.1432e-06, 2.4955e-02],  
 [1.7636e+02, 4.5143e+00, 3.4343e+00],  
 [1.6379e+02, 7.3287e-01, 3.8681e+00],  
 [6.3843e+01, 8.1927e-01, 2.8165e+00],  
 [8.4746e+01, 1.0726e+00, 2.2553e+00],  
 [4.9643e+00, 4.5472e-03, 3.6252e-01],  
 [1.9155e-01, 3.4989e-05, 2.4659e-02],  
 [5.8433e-03, 7.1389e-09, 9.0253e-04],  
 [6.7145e-04, 2.0212e-10, 1.0954e-04],  
 [1.4327e-01, 2.5074e-06, 1.5491e-02],  
 [1.3536e+01, 7.6334e-02, 9.9405e-01],  
 [1.0234e-01, 1.0291e-05, 1.4932e-02],  
 [1.1789e+00, 4.5305e-04, 1.3514e-01],  
 [1.6390e+02, 2.6449e+00, 3.2587e+00],  
 [2.7028e+01, 1.9662e-01, 1.3970e+00],  
 [1.0127e+02, 1.0543e+00, 3.8305e+00],  
 [1.6750e+02, 3.2123e+00, 2.6923e+00],  
 [1.0775e+00, 2.7815e-04, 1.1082e-01],  
 [1.7649e+01, 1.6294e-02, 1.1830e+00],  
 [1.7146e+01, 4.7216e-02, 9.8751e-01],  
 [2.4265e-01, 2.7134e-05, 2.4979e-02],  
 [2.4850e+01, 2.2432e-01, 1.1339e+00],  
 [1.2805e+00, 3.4166e-04, 8.9382e-02],  
 [8.0103e+01, 1.5491e+00, 2.2680e+00],  
 [6.0229e+01, 9.8624e-01, 2.4812e+00],  
 [1.1041e-03, 8.7137e-10, 1.7778e-04],  
 [4.2614e+01, 1.3517e-01, 1.1693e+00],  
 [2.4803e+02, 4.4831e+00, 3.9654e+00],  
 [1.6606e+00, 1.0226e-03, 1.6301e-01],  
 [5.5315e-01, 1.9488e-04, 5.1394e-02],  
 [1.8897e+01, 2.0902e-01, 1.3417e+00],  
 [5.2888e-01, 2.0486e-06, 4.6757e-02],  
 [2.8446e+00, 2.2857e-03, 3.4654e-01],  
 [1.4416e+00, 6.6535e-04, 1.5453e-01],  
 [2.5452e+00, 2.4626e-03, 2.6401e-01],  
 [1.5904e+01, 7.3473e-03, 8.1034e-01],  
 [1.7741e+01, 2.1446e-02, 6.9587e-01],  
 [7.2885e-03, 6.7109e-09, 1.1239e-03],  
 [2.8815e+01, 2.1228e-01, 9.6624e-01],  
 [1.6798e+01, 2.7068e-02, 6.9354e-01],  
 [4.7573e+00, 8.6492e-03, 3.7466e-01],

[1.4255e+00, 5.7601e-04, 1.6590e-01],  
 [9.3047e-02, 2.3928e-06, 1.0985e-02],  
 [8.9898e+00, 1.3750e-02, 3.6951e-01],  
 [4.9127e+01, 2.0403e-01, 1.9806e+00],  
 [4.2528e-01, 2.4961e-04, 5.9567e-02],  
 [5.8651e+00, 1.1037e-02, 4.4866e-01],  
 [7.1903e+01, 5.5680e-01, 1.8491e+00],  
 [1.3995e-01, 9.7672e-06, 1.9170e-02],  
 [3.8392e-01, 6.7856e-05, 3.6617e-02],  
 [5.4777e+01, 4.0218e-01, 1.0079e+00],  
 [5.0392e-01, 1.8346e-04, 6.1114e-02],  
 [1.9989e+01, 2.2087e-01, 1.2083e+00],  
 [3.2459e+01, 2.8882e-01, 1.3792e+00],  
 [4.5956e-01, 2.7018e-05, 3.6139e-02],  
 [1.4608e+00, 1.9007e-04, 1.1056e-01],  
 [1.0408e-01, 1.7347e-06, 1.2294e-02],  
 [7.2911e+01, 6.5842e-01, 1.8863e+00],  
 [2.3859e-01, 2.6741e-05, 2.3607e-02],  
 [1.1639e-01, 1.5072e-05, 1.5846e-02],  
 [2.3626e-02, 8.3650e-08, 3.5330e-03],  
 [1.5780e+01, 1.9296e-02, 7.1210e-01],  
 [4.0240e+01, 2.5546e-02, 1.6845e+00],  
 [2.9631e+01, 2.3672e-01, 1.5356e+00],  
 [9.6349e-02, 2.7627e-06, 1.2748e-02],  
 [2.5159e-01, 4.9496e-06, 3.1289e-02],  
 [1.3408e-01, 2.7272e-06, 1.9040e-02],  
 [7.1665e-01, 3.0877e-04, 8.7242e-02],  
 [2.5224e-01, 4.6173e-05, 2.7009e-02],  
 [1.7090e+01, 1.3648e-01, 1.1699e+00],  
 [5.8456e-01, 1.4415e-04, 5.0921e-02],  
 [3.4928e+00, 3.7273e-03, 2.3269e-01],  
 [1.7199e+02, 3.2258e+00, 4.8521e+00],  
 [1.3101e+01, 1.7123e-02, 5.2499e-01],  
 [3.2026e+01, 4.0067e-01, 1.6263e+00],  
 [7.9017e-01, 2.9222e-04, 6.8433e-02],  
 [6.0468e-02, 1.8457e-06, 8.2855e-03],  
 [5.5249e+00, 1.1115e-03, 2.2609e-01],  
 [1.9778e+02, 4.1078e+00, 4.6658e+00],  
 [4.3347e+00, 7.9325e-03, 2.9476e-01],  
 [1.1604e-01, 8.4095e-07, 1.4213e-02],  
 [5.8470e-01, 1.0973e-04, 5.7313e-02],  
 [6.3846e+01, 1.3096e+00, 1.8563e+00],  
 [5.8147e+01, 3.3761e-01, 1.3327e+00],  
 [2.3416e-01, 1.2691e-05, 2.4536e-02],  
 [2.4520e-01, 1.0970e-05, 3.2427e-02],  
 [8.5404e+00, 1.0736e-02, 4.5939e-01],  
 [7.2134e-02, 5.0726e-07, 9.4677e-03],  
 [6.8348e+00, 2.7751e-03, 3.5504e-01],

```

[1.7092e+01, 1.8963e-02, 9.4413e-01],
[1.9027e+01, 1.5991e-02, 8.8462e-01],
[7.5208e+00, 6.1880e-03, 2.9371e-01],
[1.7633e+00, 1.5459e-04, 1.1105e-01],
[1.2933e-02, 1.0533e-07, 1.9212e-03],
[2.5607e-02, 5.2048e-08, 3.9757e-03],
[1.3454e-02, 1.7872e-08, 2.0233e-03],
[6.6013e+01, 9.9652e-01, 3.4545e+00],
[2.6469e+01, 5.8506e-02, 8.4799e-01],
[4.1526e-01, 6.0498e-05, 4.2991e-02],
[1.2474e-02, 1.6175e-08, 1.8714e-03],
[6.7444e+01, 1.8591e-01, 3.5480e+00],
[8.3587e-01, 2.7887e-04, 7.4084e-02],
[3.7730e-01, 1.0001e-04, 4.6694e-02],
[5.9193e-02, 2.6500e-06, 7.8706e-03],
[4.9168e-01, 5.2926e-05, 4.3600e-02],
[6.3936e-01, 1.3787e-04, 6.1220e-02],
[4.1993e+01, 6.8750e-01, 2.2134e+00],
[4.9808e+01, 2.6924e-01, 1.5724e+00],
[1.4461e+02, 2.3753e+00, 3.4259e+00]], dtype=torch.float64)
Iteration: 55
Inputs: tensor([[1.1050e+20, 2.5785e+02, 9.6049e+00, 5.9473e+00],
[3.5032e+18, 3.1245e+02, 1.4744e+01, 8.4638e+00],
[1.7492e+19, 3.8827e+02, 1.6882e+01, 3.6406e+00],
...,
[9.1686e+20, 3.7317e+02, 1.3539e+01, 5.6239e+00],
[1.8256e+20, 2.6784e+02, 1.5797e+01, 2.5264e+00],
[5.2495e+18, 1.5630e+02, 1.5483e+01, 4.9444e+00]], dtype=torch.float64)
Target: tensor([[3.6682e+01, 1.8549e-01, 1.3803e+00],
[7.1145e-01, 2.3872e-04, 6.4145e-02],
[3.6160e+00, 2.2584e-03, 2.7451e-01],
[2.2723e+00, 9.6673e-04, 1.6684e-01],
[1.1126e+01, 6.0115e-04, 3.8285e-01],
[4.6057e+00, 1.7364e-03, 2.3800e-01],
[3.1469e+00, 8.6506e-04, 3.3825e-01],
[4.1414e-01, 3.7053e-05, 4.6896e-02],
[6.7154e+01, 1.9165e-02, 2.2852e+00],
[4.1008e+01, 1.9471e-01, 1.0165e+00],
[1.9802e+02, 3.3126e+00, 3.5787e+00],
[1.2970e+00, 3.7174e-04, 1.5535e-01],
[1.6918e+02, 6.7581e+00, 4.4609e+00],
[5.0636e+01, 1.8770e-01, 1.2960e+00],
[6.7317e-01, 5.2276e-05, 5.2789e-02],
[2.0802e+01, 5.7374e-02, 6.7530e-01],
[2.3326e+00, 2.5504e-03, 2.0959e-01],
[3.5172e+01, 2.4296e-01, 1.1867e+00],
[1.0692e+02, 9.6218e-01, 3.9510e+00],
[2.7193e+00, 3.3621e-03, 2.1826e-01],

```



[2.2225e+02, 6.5736e+00, 4.9112e+00],  
 [8.2911e-02, 8.1645e-07, 1.1410e-02],  
 [8.5464e+01, 8.9506e-01, 2.3874e+00],  
 [4.0947e-02, 9.9173e-08, 5.7659e-03],  
 [4.5492e+01, 1.2869e+00, 2.8871e+00],  
 [4.5908e+01, 3.4787e-01, 1.3277e+00],  
 [1.3561e-01, 1.1664e-06, 1.5390e-02],  
 [1.9705e-02, 7.9842e-08, 2.9449e-03],  
 [9.0450e+00, 1.3355e-02, 3.7779e-01],  
 [2.4403e-01, 2.0153e-05, 2.5994e-02],  
 [9.5713e+00, 2.9630e-02, 9.8784e-01],  
 [7.8942e+00, 7.9975e-03, 5.2619e-01],  
 [1.1550e+00, 9.6008e-04, 1.2501e-01],  
 [5.8175e+00, 4.5704e-03, 2.9379e-01],  
 [2.4765e+01, 1.2476e-02, 1.3574e+00],  
 [1.1029e+02, 2.5340e+00, 3.1906e+00],  
 [3.4099e-01, 4.2618e-05, 3.7551e-02],  
 [9.9777e+00, 1.3309e-02, 8.6420e-01],  
 [1.2373e+01, 3.9109e-02, 5.5832e-01],  
 [1.9013e+00, 1.4556e-03, 2.3989e-01],  
 [1.1163e+00, 2.0888e-04, 9.2188e-02],  
 [2.3249e+01, 2.9894e-02, 6.1465e-01],  
 [1.8958e+01, 7.1558e-02, 6.7791e-01],  
 [7.5648e+01, 1.0794e+00, 3.7583e+00],  
 [6.9975e+01, 2.5683e-01, 3.6933e+00],  
 [2.3676e+00, 6.6056e-04, 1.3496e-01],  
 [5.2599e-02, 3.0454e-07, 6.7545e-03],  
 [4.9846e+01, 5.4989e-01, 1.6803e+00],  
 [3.3533e+00, 1.3358e-02, 4.3320e-01],  
 [2.4491e+01, 7.6819e-02, 1.0932e+00],  
 [3.6560e+00, 5.3779e-03, 4.0383e-01],  
 [3.4730e+01, 5.3584e-02, 2.6593e+00],  
 [1.1502e+02, 3.9359e+00, 3.1659e+00],  
 [2.7723e-01, 2.6407e-05, 3.6887e-02],  
 [2.9065e+00, 9.7034e-03, 2.9602e-01],  
 [2.1587e+02, 4.2365e+00, 4.1655e+00],  
 [6.9943e+01, 1.2829e+00, 2.8450e+00],  
 [1.3433e+00, 2.1106e-04, 8.0837e-02],  
 [8.2587e+00, 2.4183e-02, 7.8976e-01],  
 [1.4997e+00, 3.0389e-04, 9.7319e-02],  
 [1.5633e+01, 4.2760e-03, 9.3871e-01],  
 [2.5018e+01, 1.4371e-02, 1.0731e+00],  
 [1.6426e-02, 2.6412e-07, 2.4783e-03],  
 [4.4641e+00, 1.1454e-03, 2.3829e-01],  
 [3.4444e-02, 1.0251e-06, 4.9859e-03],  
 [1.2873e+00, 3.8244e-04, 1.3321e-01],  
 [8.3726e+00, 1.1506e-02, 3.8268e-01],  
 [1.2261e+02, 1.2832e+00, 2.9859e+00],

[2.1490e+01, 4.6609e-02, 6.1273e-01],  
 [9.1491e+00, 1.8037e-02, 5.7281e-01],  
 [2.4941e+01, 9.7855e-02, 1.0863e+00],  
 [9.0085e-01, 1.1958e-04, 5.8446e-02],  
 [3.2259e-01, 2.4306e-05, 3.4894e-02],  
 [3.2700e+00, 7.0805e-04, 2.5388e-01],  
 [2.7056e+01, 1.4489e-02, 1.1983e+00],  
 [8.3093e+01, 1.5402e+00, 2.1836e+00],  
 [8.6040e-03, 3.3132e-09, 1.3529e-03],  
 [1.5237e+02, 7.7311e-01, 4.7514e+00],  
 [1.9805e+01, 8.4874e-02, 1.2770e+00],  
 [2.7146e-01, 3.2328e-05, 2.7456e-02],  
 [3.3997e+00, 1.6572e-03, 3.3223e-01],  
 [4.5931e+00, 2.4261e-03, 3.2286e-01],  
 [1.6604e+02, 8.0005e-01, 2.7701e+00],  
 [3.7831e+00, 7.4758e-03, 3.9975e-01],  
 [7.3750e+01, 5.4194e-01, 2.9486e+00],  
 [4.9120e+01, 2.2703e-01, 2.2355e+00],  
 [4.3756e-02, 1.3779e-06, 6.0838e-03],  
 [9.6791e+01, 3.2467e-01, 3.4408e+00],  
 [7.4779e-01, 3.2592e-04, 9.0506e-02],  
 [3.7125e-02, 8.1236e-07, 5.1381e-03],  
 [1.1222e-01, 8.9665e-06, 1.3867e-02],  
 [1.6999e+01, 5.1999e-02, 5.7967e-01],  
 [5.1023e+01, 2.5331e-01, 1.7023e+00],  
 [1.9971e-03, 1.1208e-09, 3.2480e-04],  
 [4.7303e+01, 2.1812e-01, 2.5877e+00],  
 [2.6070e+00, 6.6939e-03, 2.9201e-01],  
 [9.8334e-03, 7.1542e-08, 1.4883e-03],  
 [1.2750e+00, 1.8770e-04, 1.6635e-01],  
 [1.0370e-01, 1.3846e-07, 1.3459e-02],  
 [8.2790e+00, 3.7601e-02, 7.3762e-01],  
 [8.3208e+00, 1.1382e-02, 4.0061e-01],  
 [4.4417e+01, 3.7555e-01, 1.0957e+00],  
 [2.4887e+02, 2.3918e+00, 4.4964e+00],  
 [5.0652e-01, 6.3310e-05, 3.6711e-02],  
 [4.8481e+01, 2.3688e-01, 2.1807e+00],  
 [8.2582e+00, 3.8934e-03, 6.7051e-01],  
 [2.9939e-01, 4.9894e-05, 2.7159e-02],  
 [1.8225e-01, 1.5603e-05, 2.6492e-02],  
 [7.2438e+01, 4.0696e-01, 3.5498e+00],  
 [1.3233e+00, 1.0430e-03, 1.1643e-01],  
 [1.7030e+02, 3.6342e+00, 4.0098e+00],  
 [1.6728e+02, 6.7467e+00, 3.6788e+00],  
 [1.9292e+00, 1.9392e-03, 1.7518e-01],  
 [2.2457e-03, 1.8771e-09, 3.5726e-04],  
 [2.9817e+00, 1.8493e-03, 2.0973e-01],  
 [2.7121e+02, 7.2792e+00, 4.3478e+00],

[2.6297e+00, 2.3492e-03, 1.5612e-01],  
 [4.4946e+00, 3.3012e-03, 4.2306e-01],  
 [2.2265e+00, 1.7414e-04, 1.5151e-01],  
 [1.9770e+00, 3.5809e-04, 1.5347e-01],  
 [1.7296e-02, 2.8407e-07, 2.6575e-03],  
 [1.2720e+02, 3.0493e+00, 3.1792e+00],  
 [1.7132e+00, 1.1975e-03, 1.3708e-01],  
 [7.3043e-02, 7.2182e-07, 1.0441e-02],  
 [4.6470e+01, 1.3487e-01, 1.8598e+00],  
 [1.8604e+01, 6.2450e-02, 7.4482e-01],  
 [4.3462e+01, 1.4528e-01, 1.7669e+00],  
 [1.4845e+00, 2.6304e-04, 1.5920e-01],  
 [5.0043e-01, 5.4008e-05, 4.7071e-02],  
 [8.4913e+01, 1.3595e+00, 3.0984e+00],  
 [1.2534e+01, 2.3126e-02, 4.6123e-01],  
 [5.9165e+00, 8.9225e-04, 4.0905e-01],  
 [1.2720e+01, 7.7314e-02, 7.1571e-01],  
 [3.9461e+01, 7.9271e-02, 1.4767e+00],  
 [5.4910e+01, 6.1989e-01, 1.7642e+00],  
 [1.2343e-02, 1.2126e-07, 1.9384e-03],  
 [6.1485e-04, 1.8744e-10, 1.0017e-04],  
 [1.3153e+01, 7.2646e-02, 5.9095e-01],  
 [4.6738e+01, 8.6036e-02, 1.8360e+00],  
 [4.8230e+00, 5.0879e-03, 3.4730e-01],  
 [1.6523e+01, 1.7137e-01, 1.5129e+00],  
 [1.6824e-01, 1.3807e-05, 2.2783e-02],  
 [2.3707e+01, 8.9094e-02, 1.0470e+00],  
 [7.8668e-04, 2.2227e-10, 1.2731e-04],  
 [1.5346e+01, 4.9810e-02, 1.1645e+00],  
 [1.3523e+02, 2.4265e+00, 2.7039e+00],  
 [2.8559e+01, 1.2084e-02, 1.5093e+00],  
 [6.8254e+00, 2.3788e-04, 2.9344e-01],  
 [1.7394e+02, 1.4676e+00, 4.7716e+00],  
 [7.1182e+00, 4.5607e-03, 2.6207e-01],  
 [8.0464e+00, 8.6696e-03, 6.0115e-01],  
 [9.6199e+00, 3.6696e-03, 3.3243e-01],  
 [3.7618e+00, 1.6723e-03, 2.5978e-01],  
 [4.6991e-02, 1.1171e-06, 7.0505e-03],  
 [1.2511e+01, 4.1496e-02, 5.4226e-01],  
 [1.1293e+00, 3.2396e-04, 1.2132e-01],  
 [2.1973e-01, 2.2918e-05, 2.2494e-02],  
 [4.4569e+01, 2.5174e-01, 1.2055e+00],  
 [1.2044e+00, 3.1105e-04, 9.3906e-02],  
 [8.4720e+00, 1.9654e-02, 4.9797e-01],  
 [1.9341e+01, 1.8161e-01, 9.4982e-01],  
 [6.4308e+01, 8.1037e-01, 2.1585e+00],  
 [4.5783e+01, 1.7768e-01, 2.8056e+00],  
 [3.1102e-02, 7.7496e-07, 4.6296e-03],

[4.0550e+00, 6.8687e-03, 3.7022e-01],  
[3.1011e-03, 1.4982e-08, 4.8633e-04],  
[2.7753e+00, 1.9449e-03, 2.9851e-01],  
[1.6383e+01, 4.2017e-02, 8.6738e-01],  
[4.7956e+01, 6.4779e-01, 1.2686e+00],  
[9.1591e+00, 2.4523e-02, 9.4648e-01],  
[4.5571e+01, 1.4034e-02, 1.7426e+00],  
[4.0010e+00, 5.8146e-04, 3.5464e-01],  
[9.5323e+01, 8.1112e-01, 1.8007e+00],  
[3.3520e+01, 4.4027e-01, 1.4287e+00],  
[1.0740e-02, 8.1812e-09, 1.6173e-03],  
[1.1318e-02, 7.6496e-08, 1.7579e-03],  
[1.3798e+01, 1.5220e-02, 5.7112e-01],  
[5.5689e+00, 6.4071e-03, 3.4655e-01],  
[7.3901e+01, 4.9181e-01, 2.5748e+00],  
[4.2523e-01, 6.1755e-06, 5.3195e-02],  
[2.1773e+00, 1.8280e-04, 1.2643e-01],  
[4.3489e+01, 1.7218e-02, 1.4987e+00],  
[5.0236e+01, 1.6580e-01, 2.6501e+00],  
[7.9697e-03, 5.7657e-09, 1.2122e-03],  
[4.0715e+00, 1.2080e-03, 3.3736e-01],  
[2.7987e+02, 1.4724e+01, 4.8541e+00],  
[3.3341e+02, 1.0774e+01, 4.7129e+00],  
[1.9187e+00, 1.2880e-03, 1.7384e-01],  
[2.3015e+01, 7.0759e-02, 7.1557e-01],  
[1.5846e+01, 2.3060e-02, 7.2953e-01],  
[6.3964e-02, 5.4662e-07, 9.5215e-03],  
[3.9617e+01, 4.1322e-01, 2.2132e+00],  
[1.0967e-02, 8.2740e-08, 1.6404e-03],  
[9.8525e+00, 4.1822e-02, 7.8021e-01],  
[7.5249e+00, 2.0910e-02, 6.5933e-01],  
[1.2632e+00, 1.9249e-04, 9.2114e-02],  
[1.7288e-01, 1.0338e-05, 1.9014e-02],  
[1.9108e-01, 7.9395e-06, 1.9286e-02],  
[8.1771e-02, 7.0953e-06, 1.2422e-02],  
[8.5658e-04, 3.0310e-10, 1.3863e-04],  
[8.9088e+00, 6.7467e-03, 5.5998e-01],  
[1.2793e-02, 5.7101e-08, 2.0202e-03],  
[7.0689e+00, 1.0215e-02, 4.9862e-01],  
[3.9820e+00, 4.2671e-03, 2.4740e-01],  
[1.1235e+00, 5.9639e-04, 1.3221e-01],  
[5.3601e-01, 1.6592e-04, 7.6197e-02],  
[2.5030e+00, 7.5334e-03, 2.7538e-01],  
[1.2923e+01, 4.0479e-02, 5.4638e-01],  
[7.2403e+01, 6.5264e-01, 2.9779e+00],  
[2.2508e+00, 1.3177e-04, 2.0073e-01],  
[2.2204e-01, 2.0795e-06, 2.9156e-02],  
[1.7577e+01, 2.0765e-02, 1.1735e+00],

[4.1130e-01, 2.7659e-05, 5.0540e-02],  
 [1.5430e-01, 3.8920e-06, 1.7058e-02],  
 [7.2688e+01, 9.5091e-02, 3.7373e+00],  
 [2.1299e-01, 5.0335e-06, 2.4501e-02],  
 [1.7925e+02, 9.0491e+00, 4.8805e+00],  
 [1.0832e+01, 5.9700e-02, 5.8142e-01],  
 [1.7960e+00, 4.5350e-04, 1.2462e-01],  
 [5.7408e+00, 2.5334e-03, 2.7045e-01],  
 [2.2757e+01, 2.7995e-02, 1.7989e+00],  
 [2.2887e+00, 4.0953e-03, 2.4146e-01],  
 [2.3168e+00, 1.4368e-03, 2.5838e-01],  
 [1.4153e+00, 8.3441e-04, 1.1968e-01],  
 [2.4853e-01, 2.5795e-05, 2.5031e-02],  
 [1.5059e-01, 1.9172e-05, 1.8855e-02],  
 [7.0501e+01, 4.7897e-02, 1.8761e+00],  
 [1.1682e+01, 3.7460e-02, 9.5443e-01],  
 [2.5662e+01, 1.2134e-01, 9.9957e-01],  
 [3.2288e+00, 9.2781e-04, 3.1581e-01],  
 [1.4755e+00, 3.7811e-04, 1.3668e-01],  
 [1.9333e+02, 2.3637e+00, 4.6735e+00],  
 [4.2420e+00, 1.8274e-03, 1.9061e-01],  
 [3.6772e+01, 1.3930e-01, 9.0244e-01],  
 [4.2037e+01, 4.9341e-02, 1.7280e+00],  
 [9.2714e+01, 1.0856e+00, 4.1007e+00],  
 [3.9364e+01, 4.3659e-01, 1.2639e+00],  
 [1.5146e+02, 2.4894e+00, 3.8173e+00],  
 [1.4727e+00, 4.8472e-04, 1.2347e-01],  
 [6.0832e+01, 1.0191e+00, 1.7734e+00],  
 [1.3190e+02, 3.4785e+00, 4.3676e+00],  
 [3.4706e+00, 3.8858e-04, 2.5599e-01],  
 [7.7732e-01, 1.3786e-04, 6.0318e-02],  
 [1.1430e+02, 9.8766e-01, 3.2080e+00],  
 [1.1918e+01, 7.5962e-03, 4.2657e-01],  
 [5.5898e-01, 1.3683e-04, 5.9275e-02],  
 [1.5983e+00, 3.1090e-04, 1.6344e-01],  
 [6.4788e+01, 5.5052e-01, 1.9629e+00],  
 [3.5659e-02, 8.8338e-08, 5.0287e-03],  
 [1.8667e+01, 3.3874e-02, 1.4948e+00],  
 [9.8282e-03, 9.0484e-09, 1.5063e-03],  
 [1.1905e+02, 1.4224e+00, 2.6782e+00],  
 [1.9644e+01, 7.8692e-02, 5.9327e-01],  
 [1.1306e+01, 7.6233e-02, 9.3754e-01],  
 [8.8129e-01, 2.9489e-04, 7.9887e-02],  
 [6.9541e-02, 3.7658e-06, 9.1013e-03],  
 [3.9191e-01, 2.2913e-05, 5.3636e-02],  
 [1.0952e-01, 2.0992e-06, 1.3994e-02],  
 [2.8455e+01, 2.0968e-01, 1.9929e+00],  
 [1.2223e+02, 1.7029e+00, 3.2613e+00],

[7.6778e+00, 6.0142e-03, 4.5197e-01],  
 [4.3678e+00, 4.4509e-03, 4.7213e-01],  
 [1.6309e-01, 1.1256e-06, 1.9484e-02],  
 [5.1845e-01, 2.4566e-05, 6.0054e-02],  
 [6.2245e-01, 1.6905e-04, 5.2619e-02],  
 [6.4689e+00, 6.0182e-03, 4.3614e-01],  
 [1.5139e+02, 1.2423e+00, 4.7559e+00],  
 [9.8982e+01, 8.1237e-01, 2.1402e+00],  
 [6.5326e-01, 4.8110e-05, 3.8866e-02],  
 [1.1095e+02, 1.4592e+00, 3.6880e+00],  
 [2.9946e-01, 5.1340e-06, 4.0122e-02],  
 [2.7455e+01, 4.2187e-02, 9.8733e-01],  
 [4.0766e-01, 4.8941e-05, 4.4648e-02],  
 [1.4219e+01, 3.2155e-02, 6.0747e-01],  
 [4.7614e-01, 3.6875e-06, 3.4366e-02],  
 [2.8066e+01, 1.6179e-01, 1.8399e+00],  
 [1.7669e+01, 1.3206e-02, 1.2570e+00],  
 [1.1695e+01, 1.3749e-02, 7.9571e-01],  
 [1.1693e+00, 1.9390e-04, 1.4740e-01],  
 [2.6575e+01, 2.4892e-02, 7.7813e-01],  
 [8.4101e-01, 1.1124e-04, 8.2544e-02],  
 [1.0106e+00, 3.1260e-04, 9.7899e-02],  
 [1.6306e+01, 1.0611e-01, 1.2399e+00],  
 [3.3705e-02, 1.3742e-07, 5.1918e-03],  
 [3.9282e-03, 2.0007e-08, 6.1183e-04],  
 [1.4702e+02, 3.9556e+00, 3.1020e+00],  
 [6.0081e-04, 1.4986e-10, 9.7531e-05],  
 [2.2445e+02, 6.8786e-01, 4.4429e+00],  
 [4.4773e-03, 1.0439e-08, 6.9414e-04],  
 [1.4745e+01, 8.3398e-02, 9.6725e-01],  
 [3.4536e+01, 1.2070e-01, 1.0328e+00],  
 [9.4108e+01, 1.0149e+00, 3.8177e+00],  
 [3.3104e+01, 2.1429e-02, 2.0876e+00],  
 [6.0054e-01, 1.4647e-05, 4.5430e-02],  
 [1.0794e+00, 5.3016e-06, 7.6847e-02],  
 [4.6491e+01, 9.2894e-01, 2.4819e+00],  
 [8.4197e+01, 1.9134e+00, 2.8924e+00],  
 [8.0827e+01, 2.6119e-01, 3.0667e+00],  
 [1.4775e+01, 9.1037e-02, 6.9800e-01],  
 [1.0032e+02, 3.5697e-01, 2.5731e+00],  
 [5.2705e+01, 3.1171e-01, 1.3332e+00],  
 [2.1402e+00, 4.4401e-04, 1.5370e-01],  
 [1.0525e+01, 3.8818e-02, 6.6183e-01],  
 [3.9139e-01, 8.1053e-05, 3.7915e-02],  
 [1.4933e+01, 4.7973e-02, 9.5149e-01],  
 [8.5596e-01, 7.7458e-04, 1.0620e-01],  
 [4.6841e+01, 4.0615e-01, 1.2233e+00],  
 [1.2849e+00, 1.2201e-03, 1.3627e-01],

```

[4.4221e-01, 1.9803e-04, 5.1738e-02],
[1.0404e+00, 5.1176e-05, 6.3525e-02],
[1.1169e+02, 8.1626e-01, 3.5632e+00],
[1.3041e-01, 4.9940e-06, 1.7129e-02],
[7.7580e+00, 1.0209e-02, 5.7432e-01],
[1.7366e+00, 1.1261e-03, 1.1497e-01],
[1.0384e+01, 1.7199e-02, 3.8886e-01],
[7.0311e+00, 6.3303e-03, 3.3093e-01],
[1.1093e+00, 2.7800e-04, 7.8051e-02],
[1.7956e+02, 3.8673e+00, 4.7314e+00],
[2.1052e+01, 4.7106e-02, 1.3499e+00],
[2.1312e-01, 2.1227e-05, 2.7185e-02]], dtype=torch.float64)
Iteration: 56
Inputs: tensor([[3.1111e+20, 2.2579e+02, 1.9518e+01, 2.4290e+00],
[1.8205e+18, 3.7781e+02, 8.7359e+00, 9.7168e+00],
[4.3533e+20, 2.1113e+02, 7.3768e+00, 4.8356e+00],
...,
[1.3032e+20, 1.0702e+02, 8.6754e+00, 9.2509e+00],
[4.5423e+19, 2.6137e+02, 1.3201e+01, 5.6404e+00],
[3.2027e+18, 2.9507e+02, 1.6687e+01, 4.1353e+00]], dtype=torch.float64)
Target: tensor([[2.0254e+01, 5.9274e-02, 1.5218e+00],
[5.8646e-01, 1.2096e-04, 4.6269e-02],
[8.7391e+01, 5.9339e-01, 3.0126e+00],
[1.2127e+01, 2.9675e-02, 5.8413e-01],
[4.0397e+00, 5.3094e-03, 3.4017e-01],
[1.6380e+01, 8.2580e-02, 6.3104e-01],
[1.8547e+00, 1.1299e-03, 1.4047e-01],
[1.8098e+01, 5.2850e-02, 6.2256e-01],
[3.5162e-01, 6.4742e-05, 3.5952e-02],
[3.1309e+01, 1.5005e-01, 1.4993e+00],
[1.9169e+02, 1.2128e+00, 4.1854e+00],
[1.3564e+00, 4.1044e-04, 1.2033e-01],
[1.8710e+00, 7.8920e-04, 1.5196e-01],
[1.6306e+01, 5.2128e-02, 7.0876e-01],
[6.0790e+00, 2.2296e-03, 4.6146e-01],
[3.6160e+01, 2.6847e-01, 1.1637e+00],
[2.6230e+00, 3.5168e-04, 1.9607e-01],
[3.1704e+01, 1.7173e-01, 1.2546e+00],
[2.2245e+01, 6.8765e-02, 8.6962e-01],
[4.7655e+01, 5.2058e-01, 1.9885e+00],
[1.8415e+02, 4.3012e+00, 4.7046e+00],
[4.9788e-02, 5.8892e-07, 6.4079e-03],
[4.4716e-02, 1.5453e-07, 6.2891e-03],
[2.6453e+01, 2.4520e-01, 1.4190e+00],
[4.3538e-01, 5.1374e-06, 3.7983e-02],
[6.1955e+00, 5.1087e-04, 3.1362e-01],
[5.8112e+01, 4.1496e-01, 1.9720e+00],
[5.8802e+00, 2.6460e-02, 5.2025e-01],

```

[1.3355e+02, 3.1497e+00, 3.1303e+00],  
 [7.1093e+01, 5.4358e-01, 1.7214e+00],  
 [1.0805e+00, 2.0634e-04, 1.3518e-01],  
 [2.9390e+01, 4.6691e-03, 9.1266e-01],  
 [1.0863e+00, 3.1922e-04, 8.8319e-02],  
 [1.1477e+02, 4.7617e-01, 3.5889e+00],  
 [1.8011e+01, 4.7149e-02, 1.2514e+00],  
 [6.2948e+01, 4.3619e-01, 1.5911e+00],  
 [2.6342e-03, 6.0534e-09, 4.1577e-04],  
 [2.1019e+00, 2.4731e-03, 1.7851e-01],  
 [1.0123e-01, 1.0195e-05, 1.4798e-02],  
 [2.0298e-01, 5.1984e-06, 2.0078e-02],  
 [2.8005e+01, 2.7798e-01, 2.3494e+00],  
 [2.1570e+02, 7.3514e+00, 4.7777e+00],  
 [1.4051e+01, 3.3635e-02, 5.3816e-01],  
 [9.5557e+00, 7.3444e-03, 3.9115e-01],  
 [1.2819e+02, 2.0744e+00, 3.0012e+00],  
 [1.3701e-01, 1.2586e-05, 1.5250e-02],  
 [1.6909e+00, 6.1797e-04, 1.0299e-01],  
 [2.3203e+01, 3.0773e-02, 8.0980e-01],  
 [1.1861e+02, 1.7034e+00, 4.0957e+00],  
 [3.0049e-01, 8.2619e-06, 3.3728e-02],  
 [8.4824e+00, 3.3750e-02, 8.3454e-01],  
 [4.4578e+01, 1.5404e-01, 1.6604e+00],  
 [9.7642e-01, 1.2734e-04, 9.9758e-02],  
 [1.1311e+02, 2.4817e+00, 3.2261e+00],  
 [1.7411e+00, 6.9388e-05, 1.5902e-01],  
 [2.2462e+00, 2.0699e-03, 1.8012e-01],  
 [2.2844e+02, 2.3805e+00, 3.9281e+00],  
 [2.5141e+01, 3.9945e-02, 1.3016e+00],  
 [2.8117e+00, 8.5236e-04, 1.7828e-01],  
 [1.4361e+02, 3.1579e+00, 3.7931e+00],  
 [1.0137e+00, 3.1663e-04, 7.7767e-02],  
 [3.7852e-01, 1.4611e-05, 3.3178e-02],  
 [9.0176e-03, 3.8432e-08, 1.3549e-03],  
 [4.7076e+01, 1.8160e-01, 1.4528e+00],  
 [7.4602e-03, 1.0084e-08, 1.1520e-03],  
 [4.2954e+00, 5.0599e-03, 4.1844e-01],  
 [1.9564e+00, 3.4058e-03, 2.0641e-01],  
 [4.4470e-01, 7.3589e-05, 5.1992e-02],  
 [1.0379e+02, 1.3609e+00, 3.4354e+00],  
 [1.8223e+02, 2.7720e+00, 4.5818e+00],  
 [1.1134e+01, 6.4855e-03, 7.8992e-01],  
 [2.0840e+00, 3.4159e-04, 1.7242e-01],  
 [6.6457e-01, 2.6036e-05, 4.0360e-02],  
 [7.8177e+01, 4.3520e-01, 1.6479e+00],  
 [5.5193e+01, 1.0588e-01, 2.4591e+00],  
 [1.5930e+01, 2.0358e-02, 5.2739e-01],



[4.9839e-02, 6.8850e-07, 6.4603e-03],  
 [1.4512e+01, 8.6477e-03, 9.4139e-01],  
 [3.6747e-01, 8.3294e-05, 4.4843e-02],  
 [1.1790e+02, 4.1757e+00, 3.1910e+00],  
 [5.7128e+01, 4.1447e-01, 2.1680e+00],  
 [3.5210e-01, 1.1634e-05, 3.3466e-02],  
 [3.3371e+01, 5.7812e-01, 2.4100e+00],  
 [1.3201e-01, 1.1235e-05, 1.6376e-02],  
 [2.2274e+00, 1.7598e-03, 1.8240e-01],  
 [1.5074e+02, 5.0183e-01, 2.4671e+00],  
 [1.5082e+01, 8.8716e-02, 9.1732e-01],  
 [1.5093e+01, 1.3785e-02, 6.8807e-01],  
 [8.4468e-01, 2.0085e-04, 8.8139e-02],  
 [1.7449e+01, 8.4615e-03, 5.0778e-01],  
 [1.1218e+02, 7.8627e-01, 2.1682e+00],  
 [3.1944e+01, 2.9254e-01, 1.8374e+00],  
 [1.1233e+01, 1.6706e-02, 1.1554e+00],  
 [1.3846e+00, 2.6458e-04, 1.3121e-01],  
 [8.8872e-01, 1.8889e-04, 1.1739e-01],  
 [1.2381e-02, 2.9448e-08, 1.8635e-03],  
 [1.0691e+02, 2.7573e+00, 3.2937e+00],  
 [4.1213e-02, 2.6272e-07, 6.0241e-03],  
 [3.5396e+00, 1.8212e-03, 2.9512e-01],  
 [5.2488e+00, 8.0896e-03, 2.8974e-01],  
 [3.4015e+00, 4.0095e-04, 3.2154e-01],  
 [1.1082e+02, 2.8947e-01, 3.8538e+00],  
 [9.8356e+01, 8.5089e-01, 2.9451e+00],  
 [2.8675e-02, 7.6873e-07, 4.1574e-03],  
 [5.2792e+01, 8.0772e-01, 2.9227e+00],  
 [2.4664e-02, 1.7092e-07, 3.4937e-03],  
 [1.5783e+00, 9.3495e-04, 1.3773e-01],  
 [4.9074e+00, 2.5844e-03, 4.3427e-01],  
 [2.5952e+02, 8.2578e+00, 4.2791e+00],  
 [7.7734e-01, 1.7790e-04, 7.7559e-02],  
 [2.2321e+00, 1.3459e-03, 2.5621e-01],  
 [4.4570e+00, 2.9748e-03, 1.9765e-01],  
 [7.1204e-01, 2.0316e-05, 7.2853e-02],  
 [4.4927e+00, 7.0126e-03, 3.2393e-01],  
 [1.4396e+00, 1.1777e-04, 9.9618e-02],  
 [8.6419e-02, 3.5424e-06, 1.0704e-02],  
 [2.1809e+00, 2.5492e-03, 1.8500e-01],  
 [6.8991e+00, 6.1218e-03, 5.8336e-01],  
 [5.9156e+00, 8.1316e-03, 6.8870e-01],  
 [1.8863e+02, 9.5710e-01, 4.2615e+00],  
 [2.5932e+00, 1.9535e-03, 2.1712e-01],  
 [3.8999e+01, 1.7942e-01, 1.4900e+00],  
 [6.2234e+01, 7.5589e-01, 2.3076e+00],  
 [1.7811e+01, 1.1624e-01, 9.4694e-01],

[6.6477e-02, 2.5361e-06, 8.8755e-03],  
 [4.8361e+00, 1.5349e-03, 3.7607e-01],  
 [3.6593e-01, 1.1409e-04, 4.1380e-02],  
 [1.1139e+00, 1.3468e-05, 9.8061e-02],  
 [2.5668e+02, 6.2396e+00, 4.9563e+00],  
 [3.0214e+00, 4.9901e-03, 3.5789e-01],  
 [3.6256e+02, 3.2911e+00, 5.1803e+00],  
 [3.5900e+00, 1.5184e-02, 3.6037e-01],  
 [3.8276e+01, 4.0375e-01, 1.5950e+00],  
 [1.3464e+02, 2.0723e+00, 4.2102e+00],  
 [2.9037e+00, 1.0283e-03, 2.4817e-01],  
 [4.8749e+01, 1.2471e-01, 1.2003e+00],  
 [5.3553e-02, 4.6873e-07, 7.4212e-03],  
 [4.7907e+00, 1.9027e-03, 2.8284e-01],  
 [4.4154e+00, 2.7416e-03, 3.2343e-01],  
 [2.1910e-03, 6.4911e-09, 3.5157e-04],  
 [3.0908e+00, 1.2542e-03, 2.3428e-01],  
 [5.6219e+00, 1.9386e-03, 3.2545e-01],  
 [2.9619e-01, 3.9536e-05, 3.4602e-02],  
 [7.2087e+00, 1.6815e-03, 3.0912e-01],  
 [1.4848e+02, 1.8468e-01, 4.5833e+00],  
 [8.4186e+01, 1.0976e+00, 3.0850e+00],  
 [1.3554e+02, 4.2410e+00, 3.6293e+00],  
 [4.0050e-01, 8.5701e-05, 5.1068e-02],  
 [2.9535e+01, 2.2027e-01, 9.9406e-01],  
 [4.6759e+00, 1.9545e-03, 6.0342e-01],  
 [9.1039e-01, 3.0758e-04, 7.5738e-02],  
 [4.8939e+00, 1.0146e-02, 3.1278e-01],  
 [1.7830e-01, 5.9246e-06, 2.4722e-02],  
 [1.0081e+01, 1.3479e-02, 7.6346e-01],  
 [1.8605e-02, 3.8502e-07, 2.6752e-03],  
 [5.0040e-01, 1.5423e-04, 4.7973e-02],  
 [7.1823e+00, 5.5956e-03, 4.5321e-01],  
 [2.0844e+01, 5.0562e-02, 1.3191e+00],  
 [4.0646e+01, 6.6903e-01, 1.7908e+00],  
 [1.4740e+02, 1.7812e+00, 4.4069e+00],  
 [5.3438e+00, 5.0089e-03, 3.8685e-01],  
 [4.3794e-03, 1.7385e-08, 6.7892e-04],  
 [1.9489e-01, 1.6520e-05, 2.0066e-02],  
 [1.0766e+02, 3.6498e+00, 3.1055e+00],  
 [9.7743e+01, 5.5332e-02, 3.1305e+00],  
 [2.7062e+01, 5.2898e-02, 8.1457e-01],  
 [3.5435e-01, 2.7055e-05, 4.2368e-02],  
 [1.7821e+01, 5.1708e-02, 8.7945e-01],  
 [2.2025e+00, 9.3101e-04, 1.9661e-01],  
 [3.9022e-01, 1.4346e-04, 4.8257e-02],  
 [4.9523e-02, 1.8214e-06, 7.0443e-03],  
 [6.4874e+00, 1.4404e-02, 4.4307e-01],

[4.3208e+01, 3.0853e-01, 1.6628e+00],  
 [6.8214e+00, 1.5691e-02, 3.6370e-01],  
 [2.0648e+02, 3.2178e+00, 3.7228e+00],  
 [2.0379e-01, 1.0321e-05, 2.5745e-02],  
 [7.0642e+01, 1.1616e+00, 2.1914e+00],  
 [3.8680e+00, 1.6241e-03, 3.2349e-01],  
 [1.2643e-01, 1.7413e-05, 1.5213e-02],  
 [2.3785e+01, 4.9739e-02, 1.0350e+00],  
 [1.1464e+02, 1.1554e+00, 4.3509e+00],  
 [1.6431e+00, 3.5271e-04, 1.4749e-01],  
 [9.2627e+01, 1.6385e+00, 2.5282e+00],  
 [2.3852e-01, 1.4207e-05, 2.9034e-02],  
 [1.6998e+00, 3.0687e-03, 2.2502e-01],  
 [1.0243e+02, 3.8221e-01, 2.9430e+00],  
 [2.7739e+02, 9.5144e+00, 4.8815e+00],  
 [1.8954e+00, 2.9156e-04, 2.0021e-01],  
 [7.2289e-01, 1.9940e-04, 6.9115e-02],  
 [8.2891e-02, 2.6133e-06, 1.0404e-02],  
 [1.6724e+01, 4.0225e-02, 6.3212e-01],  
 [2.5419e-01, 2.6140e-05, 2.6207e-02],  
 [8.8844e+01, 2.6654e+00, 3.9946e+00],  
 [9.9410e+00, 1.5091e-02, 4.9023e-01],  
 [1.9997e+02, 6.5330e+00, 4.1023e+00],  
 [8.6164e+00, 5.1217e-03, 8.1031e-01],  
 [2.8257e-01, 4.0584e-06, 3.6987e-02],  
 [8.5145e+00, 9.8288e-03, 4.0415e-01],  
 [5.9031e-01, 5.9014e-05, 5.6991e-02],  
 [1.2906e+01, 5.8354e-03, 1.0102e+00],  
 [2.0222e+01, 1.9598e-02, 5.7877e-01],  
 [1.1635e+02, 2.3768e+00, 3.4467e+00],  
 [4.8863e+01, 5.6908e-01, 2.4275e+00],  
 [9.0405e+01, 1.0425e+00, 2.4120e+00],  
 [1.0822e+01, 5.5930e-02, 7.0709e-01],  
 [2.0333e-01, 2.2287e-05, 2.3345e-02],  
 [1.3990e+01, 2.4741e-02, 4.9955e-01],  
 [4.4593e-01, 7.9223e-05, 5.4024e-02],  
 [2.6004e+01, 8.7884e-02, 1.0602e+00],  
 [6.4763e+01, 5.0106e-01, 1.4388e+00],  
 [2.0656e+00, 2.3456e-04, 1.4717e-01],  
 [4.3160e+01, 1.8611e-01, 1.4664e+00],  
 [1.1855e+00, 2.6125e-04, 1.1422e-01],  
 [8.1858e-01, 6.7260e-05, 4.6384e-02],  
 [1.7402e+01, 5.9969e-02, 6.3824e-01],  
 [3.2142e+00, 2.6991e-04, 2.3201e-01],  
 [7.2110e+00, 1.3552e-03, 2.5534e-01],  
 [9.3156e-01, 7.4226e-05, 5.2700e-02],  
 [9.7823e-02, 2.6023e-06, 1.2390e-02],  
 [7.7156e+00, 8.4962e-03, 4.1992e-01],

[8.2518e+01, 1.4657e+00, 2.0692e+00],  
 [3.2895e+00, 1.1395e-02, 3.2943e-01],  
 [5.6179e+00, 2.7414e-02, 5.8721e-01],  
 [1.3063e+00, 2.2459e-04, 7.1707e-02],  
 [1.1856e-02, 2.0087e-08, 1.8074e-03],  
 [1.4667e+01, 6.5879e-02, 6.9738e-01],  
 [7.7481e+01, 1.4103e+00, 3.0915e+00],  
 [4.2994e+01, 1.5753e-01, 9.3566e-01],  
 [1.8280e+01, 1.4180e-02, 5.7843e-01],  
 [8.6719e+01, 4.5431e-01, 2.0780e+00],  
 [6.9913e-01, 1.2832e-04, 5.6889e-02],  
 [3.3143e+00, 1.5786e-03, 3.6603e-01],  
 [6.7960e-02, 2.2513e-06, 9.2950e-03],  
 [1.9387e+01, 8.9991e-02, 9.0695e-01],  
 [6.8122e-01, 3.1297e-05, 4.2146e-02],  
 [1.1963e+01, 2.3498e-02, 5.4533e-01],  
 [2.8634e+01, 4.0911e-02, 1.3523e+00],  
 [5.2829e+01, 1.7405e-01, 2.0083e+00],  
 [4.3303e-01, 6.1920e-05, 4.5868e-02],  
 [2.2571e-02, 1.7371e-07, 3.1849e-03],  
 [5.9314e+00, 1.7853e-03, 2.7251e-01],  
 [1.8493e+01, 6.0867e-02, 1.1868e+00],  
 [8.8534e+00, 2.3794e-02, 6.0864e-01],  
 [5.5876e+01, 3.4995e-01, 1.5181e+00],  
 [3.6186e-01, 1.1312e-04, 5.2487e-02],  
 [4.0934e-02, 1.4312e-07, 5.5742e-03],  
 [2.0288e-01, 2.0368e-05, 3.0379e-02],  
 [8.5691e+01, 1.0539e+00, 3.7182e+00],  
 [1.3036e-01, 6.3500e-07, 1.7672e-02],  
 [6.6263e+00, 2.7390e-02, 6.8074e-01],  
 [1.8487e+00, 1.4125e-03, 1.4543e-01],  
 [2.9512e+00, 4.2735e-03, 2.2948e-01],  
 [1.6389e+00, 6.2098e-04, 1.4698e-01],  
 [1.5190e-01, 8.7034e-06, 1.7660e-02],  
 [1.5108e+01, 4.9452e-02, 6.9214e-01],  
 [5.8780e+01, 1.6732e+00, 3.4153e+00],  
 [1.3812e+02, 3.2821e+00, 3.6080e+00],  
 [8.1564e+00, 1.3126e-02, 5.0949e-01],  
 [1.8934e+02, 1.3416e+00, 3.3027e+00],  
 [5.8748e+00, 1.5999e-02, 4.9357e-01],  
 [9.0815e+00, 2.8002e-02, 8.0684e-01],  
 [7.9118e+01, 3.8753e-01, 3.2720e+00],  
 [2.0526e-01, 3.8722e-06, 2.2841e-02],  
 [6.8705e-03, 4.4592e-08, 1.0523e-03],  
 [2.1539e+01, 9.8901e-02, 1.3752e+00],  
 [2.3248e+00, 1.9340e-03, 2.2688e-01],  
 [1.3654e+02, 2.1150e+00, 2.4141e+00],  
 [1.9275e-02, 9.5584e-08, 3.0208e-03],

[2.4487e+01, 4.9187e-02, 8.1248e-01],  
 [9.4237e-01, 1.2033e-04, 7.8476e-02],  
 [1.2659e+01, 1.4784e-02, 9.0877e-01],  
 [3.7323e+01, 3.8034e-01, 1.2659e+00],  
 [4.6038e+01, 1.7220e-01, 2.9750e+00],  
 [1.0940e+02, 5.8854e-01, 2.3158e+00],  
 [9.9428e+01, 7.2006e-01, 3.5312e+00],  
 [7.7462e+01, 2.1072e+00, 2.3675e+00],  
 [6.2555e-01, 7.8832e-06, 5.9915e-02],  
 [1.4529e+01, 6.7185e-02, 1.3661e+00],  
 [6.2009e-03, 1.9347e-09, 9.7630e-04],  
 [1.7015e+00, 1.9908e-04, 9.0461e-02],  
 [2.2932e+01, 3.1770e-03, 8.5483e-01],  
 [1.3002e+02, 2.0317e+00, 2.8366e+00],  
 [5.1618e+00, 1.0881e-02, 3.5194e-01],  
 [6.3464e+01, 1.4846e+00, 2.0374e+00],  
 [1.7041e+02, 1.7752e+00, 4.2282e+00],  
 [1.3102e-01, 1.3307e-05, 1.8235e-02],  
 [4.1733e-02, 5.9070e-07, 6.1670e-03],  
 [8.2978e+01, 6.6386e-01, 2.9960e+00],  
 [9.0581e+01, 1.0233e+00, 4.0929e+00],  
 [1.1164e-02, 1.7314e-08, 1.7180e-03],  
 [1.4820e+01, 1.5322e-01, 1.4189e+00],  
 [5.3839e+01, 6.7850e-01, 3.1823e+00],  
 [2.2270e+01, 1.8519e-01, 1.2100e+00],  
 [9.0394e+01, 6.2555e-01, 1.6255e+00],  
 [8.1947e-01, 2.0799e-04, 9.3607e-02],  
 [5.2276e-01, 1.0547e-04, 4.9816e-02],  
 [9.8232e+01, 2.8570e+00, 2.4717e+00],  
 [7.3182e+00, 1.5506e-02, 4.2700e-01],  
 [1.1856e+00, 5.3337e-04, 9.3772e-02],  
 [2.1350e+01, 6.5352e-02, 1.3014e+00],  
 [9.5232e+00, 8.4661e-03, 8.4562e-01],  
 [6.5034e+00, 2.1469e-02, 6.2629e-01],  
 [2.1252e+01, 9.3539e-02, 1.5566e+00],  
 [2.0545e+01, 1.2380e-01, 1.0669e+00],  
 [4.8858e-01, 8.1113e-05, 5.2146e-02],  
 [1.7399e-01, 3.8439e-05, 2.3743e-02],  
 [4.2993e-02, 4.0563e-07, 6.1303e-03],  
 [6.2720e+01, 1.2207e-01, 1.9017e+00],  
 [1.3479e+01, 4.9807e-03, 6.0787e-01],  
 [1.3047e+02, 2.6307e+00, 3.7146e+00],  
 [1.7430e-01, 1.5279e-05, 1.9643e-02],  
 [6.6103e+00, 1.3173e-02, 4.4001e-01],  
 [6.5954e-01, 8.5895e-05, 4.1560e-02],  
 [5.1093e+01, 6.6150e-01, 1.4906e+00],  
 [3.0980e-01, 1.1123e-05, 2.7711e-02],  
 [3.2147e+01, 5.2863e-03, 8.1019e-01],

```

[5.8090e+01, 4.5060e-01, 2.1759e+00],
[2.4244e+01, 1.9281e-01, 1.2901e+00],
[1.3924e+01, 3.8872e-02, 7.1388e-01],
[2.0999e-01, 1.4862e-05, 2.5220e-02]], dtype=torch.float64)
Iteration: 57
Inputs: tensor([[9.3077e+20, 4.6901e+02, 1.0362e+01, 8.3296e+00],
[7.4772e+19, 2.8771e+02, 3.1363e+00, 5.4035e+00],
[5.2752e+19, 4.0800e+02, 1.8397e+01, 6.7775e+00],
...,
[6.1559e+19, 3.9703e+02, 1.3412e+00, 5.6905e+00],
[1.7702e+19, 3.9930e+02, 8.8688e+00, 9.2691e+00],
[1.5354e+19, 1.6735e+02, 5.9906e+00, 1.3736e+00]], dtype=torch.float64)
Target: tensor([[2.6652e+02, 1.1316e+01, 4.9568e+00],
[4.3021e+01, 1.1202e-01, 1.1888e+00],
[2.2537e+01, 1.3626e-01, 8.8423e-01],
[1.8929e+00, 7.8963e-04, 1.5787e-01],
[3.6431e-01, 6.0850e-06, 4.3954e-02],
[1.2867e+01, 7.4632e-02, 7.2224e-01],
[1.7804e-02, 2.1965e-07, 2.6104e-03],
[1.1815e+00, 2.6372e-04, 9.0985e-02],
[1.7252e-02, 4.9323e-08, 2.7009e-03],
[1.0296e+01, 3.3571e-02, 4.7312e-01],
[3.9706e+00, 4.0516e-03, 2.6986e-01],
[8.5195e+01, 8.0878e-01, 3.6472e+00],
[1.7926e-01, 3.2395e-06, 2.0383e-02],
[1.1245e-01, 1.5483e-06, 1.5822e-02],
[5.0057e-01, 3.9905e-05, 5.3815e-02],
[1.3425e-02, 2.8841e-08, 1.9982e-03],
[2.8941e+00, 1.2771e-03, 1.6659e-01],
[4.2951e+00, 2.2232e-03, 2.5729e-01],
[2.4737e-02, 4.4815e-07, 3.5273e-03],
[1.2788e+02, 1.8592e+00, 4.4197e+00],
[4.4868e+01, 1.8839e-01, 9.7926e-01],
[3.4255e-03, 1.7472e-09, 5.4388e-04],
[1.7376e-01, 7.3434e-06, 2.4244e-02],
[9.5609e+01, 7.2610e-01, 3.5354e+00],
[5.1306e-02, 3.7406e-07, 6.5882e-03],
[2.3056e+01, 4.9877e-02, 1.0994e+00],
[2.0675e+01, 2.7244e-03, 6.7510e-01],
[1.0485e+01, 1.3666e-02, 3.6421e-01],
[1.1768e+01, 2.9918e-02, 6.1239e-01],
[5.1013e-01, 9.8581e-05, 6.1089e-02],
[3.2245e+01, 4.3062e-02, 9.7561e-01],
[1.9075e+01, 3.8944e-02, 9.0048e-01],
[3.3886e+01, 2.2165e-01, 1.2672e+00],
[1.2240e+00, 1.3982e-04, 1.5611e-01],
[1.1094e+00, 1.7610e-04, 7.3825e-02],
[2.6242e+01, 1.3491e-01, 1.2905e+00],

```

[9.2966e+01, 2.0234e-01, 1.7011e+00],  
 [3.4691e+01, 4.6360e-02, 1.3902e+00],  
 [2.0381e+01, 1.1270e-01, 9.7104e-01],  
 [5.7848e-02, 4.5685e-06, 8.5171e-03],  
 [5.9099e+01, 9.3258e-01, 3.5045e+00],  
 [1.4020e-01, 1.5430e-05, 1.5071e-02],  
 [7.2634e+01, 1.0031e+00, 2.2545e+00],  
 [4.8093e+01, 1.9618e-01, 2.2677e+00],  
 [3.4427e+00, 1.0615e-03, 3.1947e-01],  
 [1.2444e-01, 1.0136e-05, 1.4854e-02],  
 [2.4755e+01, 2.2558e-01, 1.2646e+00],  
 [4.0427e-04, 2.6062e-11, 6.5937e-05],  
 [1.3348e-01, 3.8951e-07, 1.6370e-02],  
 [4.6228e+01, 1.0704e-01, 2.6063e+00],  
 [2.5969e+00, 1.5291e-03, 1.8301e-01],  
 [5.7785e+01, 8.4491e-01, 1.5884e+00],  
 [8.6095e+01, 1.1412e+00, 2.5185e+00],  
 [3.9667e-01, 3.6752e-05, 3.4497e-02],  
 [6.3231e+01, 7.1197e-01, 2.5499e+00],  
 [1.8366e+02, 2.3039e+00, 3.8297e+00],  
 [1.4797e+02, 3.3592e+00, 3.1290e+00],  
 [3.6387e+00, 7.4803e-03, 3.4790e-01],  
 [2.9045e+00, 1.0877e-03, 2.3114e-01],  
 [3.8879e-01, 2.7222e-05, 3.1918e-02],  
 [3.4997e+01, 2.3352e-01, 1.4780e+00],  
 [1.0303e+01, 2.2473e-02, 4.0582e-01],  
 [3.5003e+00, 7.7503e-04, 2.9563e-01],  
 [1.7549e+02, 2.0255e+00, 4.5474e+00],  
 [2.0004e+01, 1.9247e-02, 5.2134e-01],  
 [3.6475e+01, 8.4681e-02, 1.2826e+00],  
 [7.8947e-01, 6.8368e-04, 1.0859e-01],  
 [1.4586e+02, 3.4950e+00, 4.6945e+00],  
 [6.7751e-02, 1.7595e-06, 8.7752e-03],  
 [8.7533e-01, 1.8300e-04, 7.0821e-02],  
 [6.9134e+00, 4.1986e-03, 3.1898e-01],  
 [2.1948e-01, 3.6135e-05, 2.7737e-02],  
 [4.0671e+00, 8.2179e-04, 1.7700e-01],  
 [1.1848e-01, 5.3937e-06, 1.3554e-02],  
 [1.9516e+01, 5.1724e-02, 5.9813e-01],  
 [7.7768e-04, 5.7767e-10, 1.2624e-04],  
 [2.5544e+00, 1.9765e-03, 2.5928e-01],  
 [6.3575e+01, 6.5905e-01, 2.6856e+00],  
 [1.5000e-01, 1.3190e-05, 1.8985e-02],  
 [1.5355e+01, 6.1560e-03, 9.5979e-01],  
 [4.3831e+00, 4.7782e-03, 2.6013e-01],  
 [2.3431e-01, 2.9167e-05, 3.2953e-02],  
 [3.4485e+01, 3.9759e-02, 1.4972e+00],  
 [2.5052e+01, 2.7818e-01, 2.0858e+00],

[1.6956e+02, 6.5699e-01, 3.2502e+00],  
[1.0888e+00, 6.6951e-05, 1.1753e-01],  
[2.9839e+02, 1.0975e+01, 4.9077e+00],  
[1.3046e+01, 6.4561e-02, 7.3899e-01],  
[1.1313e+00, 1.2461e-04, 1.2721e-01],  
[7.3718e+01, 8.7595e-01, 3.1951e+00],  
[1.3548e+01, 6.5194e-02, 6.9837e-01],  
[1.9383e+00, 7.3150e-04, 1.5389e-01],  
[1.9843e+00, 2.0384e-03, 2.2400e-01],  
[9.0878e-01, 1.5639e-04, 9.4239e-02],  
[8.0052e+01, 8.2827e-01, 1.8012e+00],  
[3.1802e+00, 9.5830e-04, 2.0328e-01],  
[8.5012e+01, 8.0605e-01, 3.6689e+00],  
[1.3249e+00, 6.0650e-04, 8.9506e-02],  
[1.4693e+00, 1.6095e-04, 1.5505e-01],  
[7.7162e-01, 2.3680e-04, 6.0760e-02],  
[1.2605e+00, 5.2340e-04, 1.1693e-01],  
[1.1803e+02, 1.3693e+00, 3.0513e+00],  
[1.5481e+00, 3.0907e-04, 1.4525e-01],  
[1.0330e+02, 2.3025e+00, 2.7340e+00],  
[8.0967e-01, 2.1063e-04, 6.1505e-02],  
[1.6745e+00, 4.1212e-04, 1.2296e-01],  
[5.3737e-02, 8.2696e-07, 7.1162e-03],  
[9.6782e+00, 8.3162e-03, 3.1775e-01],  
[7.9534e-01, 2.0832e-05, 6.4015e-02],  
[2.3753e+01, 7.3483e-02, 1.2992e+00],  
[2.7569e+02, 9.4674e+00, 3.9641e+00],  
[5.1679e-01, 2.5681e-05, 3.9583e-02],  
[1.0516e-01, 3.0207e-07, 1.5056e-02],  
[2.5659e+00, 8.3052e-04, 1.6438e-01],  
[5.5508e-01, 5.9321e-05, 6.8665e-02],  
[1.4827e+02, 1.9242e+00, 2.5091e+00],  
[5.6057e+01, 2.7767e-01, 1.6285e+00],  
[3.0151e+00, 2.0188e-03, 2.7436e-01],  
[8.3353e+01, 1.6715e+00, 1.9977e+00],  
[5.6745e+01, 5.7641e-01, 1.8901e+00],  
[1.2563e+01, 5.8025e-02, 5.9724e-01],  
[2.8302e-02, 4.2899e-07, 4.2304e-03],  
[8.5013e+01, 2.5322e+00, 3.5289e+00],  
[2.2150e+01, 2.2073e-02, 6.6029e-01],  
[4.9616e+00, 8.9483e-03, 3.8937e-01],  
[5.1175e+01, 2.7117e-01, 1.1413e+00],  
[2.2766e+02, 6.9663e+00, 4.0854e+00],  
[2.3463e+00, 2.2239e-03, 1.7161e-01],  
[4.1680e-01, 1.2121e-04, 4.9099e-02],  
[1.1146e+01, 3.7878e-02, 9.5025e-01],  
[8.3813e-02, 2.4583e-06, 1.1343e-02],  
[1.6469e-01, 2.9450e-06, 2.0307e-02],



[8.3252e+01, 1.8458e+00, 2.7855e+00],  
[1.5004e+01, 6.5551e-02, 5.4792e-01],  
[1.7970e+02, 5.3158e+00, 4.1720e+00],  
[5.2303e+01, 1.4994e-01, 3.3153e+00],  
[4.9097e-01, 2.2254e-05, 5.2088e-02],  
[8.3854e-02, 2.6588e-06, 1.0190e-02],  
[8.3021e-02, 3.3722e-06, 9.8883e-03],  
[6.7354e-01, 1.9944e-05, 6.5824e-02],  
[2.4476e+00, 2.2461e-03, 2.1835e-01],  
[4.7136e+00, 7.3458e-03, 3.3253e-01],  
[4.6897e+00, 2.3257e-03, 3.2154e-01],  
[1.6494e+02, 1.8783e+00, 3.9181e+00],  
[9.2296e-02, 1.7771e-06, 1.2372e-02],  
[3.4549e+00, 7.7240e-03, 3.2045e-01],  
[9.3523e+01, 1.1520e+00, 4.0303e+00],  
[1.3025e+02, 1.4957e+00, 2.8103e+00],  
[1.4080e+01, 9.5685e-03, 6.8175e-01],  
[4.9372e+00, 2.7158e-03, 5.4114e-01],  
[1.0157e+01, 1.5162e-02, 4.0870e-01],  
[5.3167e+01, 2.1767e-01, 1.1050e+00],  
[2.3393e+02, 4.6460e+00, 4.7468e+00],  
[1.1323e+00, 1.7925e-04, 8.2886e-02],  
[1.5884e+00, 5.3856e-04, 1.2021e-01],  
[5.9478e+00, 2.5512e-02, 5.2379e-01],  
[2.4114e+00, 1.2382e-03, 1.7790e-01],  
[1.2756e+00, 1.5378e-05, 8.3504e-02],  
[2.2402e+00, 1.9162e-03, 1.6699e-01],  
[5.0492e+00, 7.0024e-03, 3.0814e-01],  
[1.5744e+02, 2.9827e+00, 3.0042e+00],  
[1.8823e+00, 4.3052e-04, 1.3608e-01],  
[1.3353e+01, 2.6541e-02, 5.1750e-01],  
[3.8829e+00, 9.4360e-04, 2.3676e-01],  
[3.6540e-02, 8.3960e-07, 5.7423e-03],  
[3.6008e+01, 2.4207e-01, 1.6404e+00],  
[1.8448e+02, 5.9926e+00, 3.8518e+00],  
[2.5444e+00, 1.4901e-03, 2.5214e-01],  
[1.6734e+02, 3.3454e+00, 4.6160e+00],  
[5.2075e+01, 4.0537e-01, 1.0975e+00],  
[6.6843e+00, 9.8439e-03, 3.0164e-01],  
[1.2499e+01, 1.7924e-02, 7.9733e-01],  
[1.0127e-01, 5.0402e-06, 1.5494e-02],  
[1.2629e+02, 4.5174e+00, 3.6696e+00],  
[1.7014e+01, 1.1396e-01, 8.6280e-01],  
[1.3930e+00, 2.6827e-04, 1.4246e-01],  
[2.3991e+01, 2.9009e-02, 1.1283e+00],  
[7.6807e+01, 5.5069e-01, 3.7687e+00],  
[1.6765e+01, 3.2895e-03, 6.3599e-01],  
[4.7296e+01, 2.7115e-02, 1.2416e+00],

[4.5791e+00, 7.8467e-03, 2.9331e-01],  
[3.7878e+01, 3.6982e-02, 1.0394e+00],  
[2.9957e-01, 4.3997e-05, 2.7378e-02],  
[5.9896e+01, 8.3830e-01, 3.5583e+00],  
[4.9339e-02, 1.0016e-06, 7.0115e-03],  
[1.6458e+00, 5.8511e-04, 1.0710e-01],  
[2.5846e+01, 2.8517e-01, 9.2036e-01],  
[1.5132e+01, 3.5897e-02, 8.9629e-01],  
[3.2908e+00, 7.5279e-03, 3.7456e-01],  
[4.3008e+01, 2.7889e-01, 1.6192e+00],  
[6.8669e-03, 1.4050e-08, 1.0748e-03],  
[1.0597e+00, 2.2076e-04, 7.3611e-02],  
[2.0272e+00, 5.1255e-04, 1.4907e-01],  
[9.2099e-01, 3.3817e-04, 9.8304e-02],  
[1.1846e-01, 2.7349e-06, 1.3340e-02],  
[1.5688e+02, 2.0384e+00, 4.1635e+00],  
[1.7980e+01, 8.1039e-02, 1.1192e+00],  
[1.3767e+02, 3.6589e+00, 3.9953e+00],  
[3.6103e+01, 5.0192e-01, 1.3741e+00],  
[1.7609e-01, 3.4192e-06, 1.9032e-02],  
[5.9823e-01, 5.8991e-05, 4.7979e-02],  
[1.5772e+01, 5.1780e-02, 5.4501e-01],  
[1.2367e+00, 1.6355e-04, 6.7855e-02],  
[1.5947e+00, 2.8778e-04, 2.0665e-01],  
[3.6913e+01, 2.2367e-01, 1.0369e+00],  
[2.9243e+00, 5.7340e-04, 2.6126e-01],  
[1.7737e+01, 3.6852e-02, 1.0351e+00],  
[3.0534e-01, 2.6562e-05, 4.2126e-02],  
[3.6346e+01, 2.7532e-01, 1.9000e+00],  
[3.7417e+00, 5.0008e-04, 2.2226e-01],  
[2.0228e-01, 1.5819e-05, 2.7759e-02],  
[1.3484e+00, 6.6063e-04, 1.0783e-01],  
[2.4718e+01, 8.3395e-02, 1.0755e+00],  
[2.0059e+01, 3.7737e-02, 1.5991e+00],  
[8.7178e+00, 5.2848e-03, 3.4752e-01],  
[2.2764e+00, 1.8241e-03, 1.6661e-01],  
[4.8327e+00, 1.0312e-03, 4.1509e-01],  
[1.0274e+00, 1.5654e-04, 8.0913e-02],  
[1.9516e-01, 3.0581e-06, 1.9606e-02],  
[5.8786e+00, 2.1318e-03, 5.5903e-01],  
[3.5902e+01, 3.6991e-01, 1.1633e+00],  
[1.1679e-01, 4.3924e-06, 1.3229e-02],  
[1.3465e-02, 3.9599e-08, 2.0062e-03],  
[2.9054e+00, 3.5472e-03, 1.7437e-01],  
[3.7122e+01, 3.5645e-01, 1.2397e+00],  
[2.1890e+00, 4.4464e-04, 2.0812e-01],  
[1.7261e+01, 2.2827e-02, 1.2923e+00],  
[1.9091e+01, 2.3243e-02, 7.4131e-01],

[7.1228e+01, 6.7179e-01, 1.7094e+00],  
[3.2973e+01, 7.1403e-02, 1.4787e+00],  
[1.8636e+00, 1.4203e-03, 1.3570e-01],  
[4.8786e-02, 2.4064e-06, 6.4809e-03],  
[2.6784e-01, 3.8045e-06, 2.3782e-02],  
[2.7564e+00, 5.6690e-04, 1.5533e-01],  
[2.2436e+00, 5.5635e-04, 1.3686e-01],  
[1.1832e+01, 1.7006e-02, 6.6806e-01],  
[7.3989e+00, 6.7523e-03, 4.9188e-01],  
[1.2252e+02, 2.2980e+00, 4.1055e+00],  
[6.2638e+00, 2.3607e-03, 4.3317e-01],  
[2.3506e-01, 3.5662e-05, 2.4437e-02],  
[1.3515e+00, 1.2566e-03, 1.2687e-01],  
[1.3162e+02, 1.7132e+00, 4.1491e+00],  
[2.9372e-02, 9.8785e-08, 4.3470e-03],  
[9.1685e+01, 2.7745e-01, 3.3243e+00],  
[3.7261e+00, 8.1839e-04, 2.2661e-01],  
[8.5276e+00, 1.2852e-02, 6.0301e-01],  
[1.9033e+00, 1.1651e-03, 1.2582e-01],  
[1.9577e+01, 4.0222e-02, 7.2624e-01],  
[7.8698e+00, 3.1614e-03, 3.6361e-01],  
[2.2994e+01, 5.6446e-02, 6.6842e-01],  
[2.0171e+01, 5.9750e-02, 1.0384e+00],  
[4.5179e-01, 2.8161e-05, 4.3162e-02],  
[3.8177e-01, 9.6041e-05, 4.8628e-02],  
[1.0423e+02, 1.0174e+00, 2.9818e+00],  
[1.1260e+01, 1.0827e-02, 4.9847e-01],  
[5.2568e+01, 2.3875e-01, 2.1318e+00],  
[1.6555e-03, 1.3548e-09, 2.6858e-04],  
[1.9500e+00, 2.1557e-04, 1.4322e-01],  
[4.4469e-02, 3.8582e-07, 6.3101e-03],  
[1.1528e+02, 1.8748e-01, 2.0207e+00],  
[2.7436e+01, 2.4860e-01, 1.0310e+00],  
[1.9275e+01, 1.9916e-01, 9.4310e-01],  
[1.1267e+01, 2.0801e-02, 4.2595e-01],  
[3.4504e-02, 6.0234e-07, 5.1685e-03],  
[1.0748e+02, 2.5469e+00, 2.7680e+00],  
[2.2475e+00, 9.7583e-04, 2.2285e-01],  
[1.7840e+00, 9.6634e-04, 1.1612e-01],  
[2.3628e+00, 2.0565e-04, 1.6263e-01],  
[3.2824e+02, 9.9379e+00, 4.4110e+00],  
[7.2831e+00, 1.7215e-03, 6.0375e-01],  
[2.1422e+00, 2.6499e-04, 1.4811e-01],  
[7.2673e-02, 2.3074e-06, 9.2872e-03],  
[1.7091e+00, 1.3844e-03, 1.5501e-01],  
[6.8350e-02, 1.6102e-06, 8.8210e-03],  
[1.7494e-03, 5.1411e-10, 2.8128e-04],  
[1.7539e+02, 2.3682e+00, 4.3488e+00],

```

[2.3496e+00, 8.1347e-04, 2.1082e-01],
[2.9589e-02, 1.0473e-06, 4.3984e-03],
[1.8865e+02, 9.1477e+00, 4.1750e+00],
[1.8709e+00, 1.5462e-03, 1.5820e-01],
[1.5429e+01, 3.9139e-02, 8.9104e-01],
[3.0225e-03, 1.7246e-09, 4.7550e-04],
[1.0197e+02, 7.1167e-01, 2.7191e+00],
[9.6789e-02, 4.1809e-06, 1.1597e-02],
[1.7985e+02, 3.2701e+00, 4.0180e+00],
[1.2922e+00, 2.9506e-04, 1.2955e-01],
[9.2085e-01, 1.6840e-04, 6.2713e-02],
[2.2523e+01, 9.7342e-02, 7.3060e-01],
[5.7190e-01, 5.4126e-04, 8.0413e-02],
[3.2858e+01, 9.2644e-02, 1.2159e+00],
[2.4402e-01, 2.6680e-05, 2.7059e-02],
[5.3905e-01, 6.1455e-05, 4.9723e-02],
[1.3521e+01, 1.2574e-01, 1.1517e+00],
[1.3555e-02, 4.0348e-08, 2.0738e-03],
[1.5114e+00, 1.2830e-04, 1.0856e-01],
[1.7581e+00, 1.8918e-03, 1.7550e-01],
[1.8629e-01, 7.3088e-06, 1.9548e-02],
[5.3136e+01, 1.2389e-01, 1.9551e+00],
[3.9893e+01, 3.9693e-01, 1.1854e+00],
[3.0063e+01, 1.4054e-02, 1.4851e+00],
[5.4048e+00, 1.8378e-03, 3.9920e-01],
[1.4618e+00, 4.3419e-04, 9.7296e-02],
[6.9764e+01, 8.2469e-01, 2.8486e+00],
[9.8442e+01, 2.4317e-01, 2.6145e+00],
[8.3311e+00, 1.5254e-02, 6.1696e-01],
[1.1045e+01, 6.2295e-02, 9.5581e-01],
[2.0281e+01, 1.1388e-01, 7.9811e-01],
[7.8109e+01, 5.6861e-01, 1.4770e+00],
[9.9106e+01, 2.4642e+00, 3.6024e+00],
[3.0317e+00, 6.3049e-03, 2.4137e-01],
[1.4470e+00, 7.1508e-04, 1.0150e-01],
[3.5602e+00, 7.9372e-04, 2.0900e-01],
[6.7664e-02, 1.4604e-06, 8.6923e-03],
[1.8187e+01, 1.2515e-01, 8.7900e-01],
[2.6247e-02, 5.2115e-07, 3.9237e-03],
[5.7045e-02, 4.9214e-07, 7.8182e-03],
[3.0853e+01, 2.4151e-01, 2.2968e+00],
[5.3166e+01, 1.3871e-01, 1.1012e+00],
[1.1299e+01, 2.6436e-02, 4.4445e-01],
[8.8085e-01, 3.3823e-05, 1.0048e-01]], dtype=torch.float64)

```

Iteration: 58

```

Inputs: tensor([[7.3941e+20, 2.1715e+02, 4.9508e+00, 5.7190e+00],
                [1.1087e+20, 3.7808e+01, 1.8752e+01, 5.4606e+00],
                [2.7562e+20, 4.7166e+02, 8.9157e+00, 1.3509e+00],

```

```

...,
[3.0107e+20, 2.3853e+02, 1.2231e+01, 5.5622e+00],
[3.5818e+18, 1.5779e+02, 2.7054e+00, 7.6436e+00],
[5.8718e+18, 1.4939e+02, 9.5191e+00, 4.9293e+00]], dtype=torch.float64)
Target: tensor([[1.5960e+02, 1.7724e+00, 4.2230e+00],
[1.3540e+00, 1.7778e-03, 1.7606e-01],
[4.9488e+01, 5.2883e-02, 2.1656e+00],
[9.3273e+00, 2.4342e-02, 5.3207e-01],
[5.8873e-01, 4.7733e-05, 7.7652e-02],
[6.0011e+01, 2.8946e-01, 2.3183e+00],
[1.7004e-01, 1.9316e-05, 2.4107e-02],
[2.4060e+01, 1.6754e-01, 1.5058e+00],
[5.0402e+01, 6.0744e-01, 1.8603e+00],
[5.7354e+00, 3.4705e-03, 4.7431e-01],
[6.8107e+01, 1.8625e-01, 3.3091e+00],
[2.9580e+01, 1.2728e-01, 8.5122e-01],
[4.3895e+00, 6.1116e-03, 3.4088e-01],
[1.5333e+01, 4.5580e-02, 6.6187e-01],
[1.5920e+00, 6.9395e-04, 1.6975e-01],
[2.0129e+00, 4.1869e-04, 9.8071e-02],
[3.5619e+00, 3.2647e-03, 2.9521e-01],
[2.1606e-01, 2.4179e-05, 3.1585e-02],
[1.2912e+01, 3.9901e-02, 7.1913e-01],
[6.0077e+01, 5.1828e-01, 1.3868e+00],
[8.2223e-02, 4.3673e-06, 1.1106e-02],
[4.4195e+00, 3.1351e-04, 2.3967e-01],
[1.2060e+02, 2.9518e+00, 2.6461e+00],
[1.1946e+02, 8.6621e-01, 4.0749e+00],
[4.6276e+01, 7.5549e-02, 1.0187e+00],
[5.9222e+01, 9.9053e-01, 2.2396e+00],
[8.3155e-01, 1.2378e-04, 6.9885e-02],
[7.7020e+01, 8.8635e-02, 2.6391e+00],
[1.1016e+01, 1.4037e-02, 4.0973e-01],
[3.2494e+00, 3.9752e-03, 2.9299e-01],
[2.0129e-02, 4.0306e-07, 3.0012e-03],
[1.8690e+00, 8.5892e-04, 1.2135e-01],
[4.5694e+01, 8.7272e-01, 2.4286e+00],
[2.4655e+00, 9.9064e-04, 3.3267e-01],
[1.7405e+01, 2.0342e-02, 7.5829e-01],
[7.2519e-01, 1.3524e-04, 9.7297e-02],
[1.2427e+00, 8.0788e-04, 1.4147e-01],
[1.1247e+02, 2.7931e+00, 3.8316e+00],
[3.8741e+00, 9.1615e-04, 2.2827e-01],
[4.9624e+00, 1.0007e-02, 4.1485e-01],
[6.3857e+00, 5.1336e-03, 4.2344e-01],
[1.6515e+02, 1.1264e+00, 3.6448e+00],
[1.0631e+00, 4.2236e-04, 1.1161e-01],
[2.0357e+01, 1.8888e-02, 1.8631e+00],

```

[2.0206e+02, 3.5754e+00, 3.8609e+00],  
 [3.6915e-01, 3.8366e-05, 3.1391e-02],  
 [3.1131e+01, 1.4655e-01, 1.7519e+00],  
 [2.3413e+00, 1.6398e-03, 1.4180e-01],  
 [3.6381e-01, 6.1608e-05, 3.1699e-02],  
 [7.9449e+01, 3.8320e-01, 1.6807e+00],  
 [8.0950e+01, 6.1946e-01, 2.9603e+00],  
 [5.2905e+01, 9.2517e-01, 1.5559e+00],  
 [3.7237e+00, 4.9023e-03, 2.7159e-01],  
 [2.9985e+01, 3.2410e-01, 1.1760e+00],  
 [8.9063e-01, 1.5766e-04, 8.2112e-02],  
 [7.1000e+01, 6.7016e-01, 1.8256e+00],  
 [4.8559e+01, 3.8231e-01, 1.9138e+00],  
 [2.0265e+00, 1.0336e-03, 1.5403e-01],  
 [1.1469e-01, 3.2668e-06, 1.6055e-02],  
 [1.4808e-02, 3.8391e-08, 2.2352e-03],  
 [1.6016e-01, 2.0310e-06, 2.0325e-02],  
 [1.1393e+02, 2.0816e+00, 2.1147e+00],  
 [3.8883e+01, 1.5999e-01, 1.2246e+00],  
 [1.0484e-01, 4.6780e-06, 1.3672e-02],  
 [4.7769e+01, 3.1935e-01, 1.1979e+00],  
 [6.7049e+01, 9.4946e-02, 1.8637e+00],  
 [4.5511e-01, 2.5198e-05, 4.5850e-02],  
 [5.0625e+01, 2.9122e-01, 1.8353e+00],  
 [2.5194e+01, 1.0113e-01, 2.0397e+00],  
 [2.9227e-01, 2.8422e-06, 3.0341e-02],  
 [2.0751e-01, 1.8719e-05, 2.3455e-02],  
 [2.9000e+00, 1.2265e-03, 2.5842e-01],  
 [4.6704e-01, 4.4554e-05, 5.1247e-02],  
 [4.8422e-01, 5.9675e-05, 4.3691e-02],  
 [5.9186e-02, 1.6867e-06, 8.3732e-03],  
 [1.4767e+02, 2.4921e+00, 3.0897e+00],  
 [6.1989e-01, 8.1843e-05, 7.5668e-02],  
 [4.3480e+01, 5.0101e-01, 1.5361e+00],  
 [7.0871e+01, 5.6391e-01, 1.5729e+00],  
 [2.0241e+00, 2.5983e-03, 1.7131e-01],  
 [1.0956e+00, 1.6776e-04, 1.1767e-01],  
 [4.4390e-01, 8.8038e-05, 4.0974e-02],  
 [7.1387e-02, 6.9534e-06, 1.0962e-02],  
 [1.3291e+01, 2.1944e-02, 8.7081e-01],  
 [4.4976e+01, 1.3689e-01, 2.7038e+00],  
 [1.8619e-01, 1.8568e-05, 2.0219e-02],  
 [3.7297e-02, 2.0594e-07, 5.5402e-03],  
 [1.1651e+02, 7.6688e-01, 2.8871e+00],  
 [3.4847e+01, 5.0673e-02, 1.7018e+00],  
 [1.2970e+01, 3.5597e-02, 5.4301e-01],  
 [1.2667e+01, 1.5749e-02, 7.7603e-01],  
 [6.0562e+00, 8.1052e-03, 3.3429e-01],

[1.2880e+02, 1.0332e-01, 4.1157e+00],  
 [3.0154e+01, 3.7702e-02, 9.6138e-01],  
 [6.5776e+00, 7.1201e-03, 3.1493e-01],  
 [1.3708e+01, 6.2160e-02, 8.3027e-01],  
 [2.8336e+01, 1.6688e-01, 1.0382e+00],  
 [3.5963e+01, 5.3490e-02, 1.0408e+00],  
 [9.4433e+00, 5.1036e-02, 7.8635e-01],  
 [2.4146e+01, 2.9843e-02, 8.7054e-01],  
 [2.6305e-01, 2.9460e-05, 3.1338e-02],  
 [2.8725e-01, 1.6048e-05, 2.5774e-02],  
 [2.9353e+01, 4.5486e-02, 7.6302e-01],  
 [8.7063e+01, 8.6709e-01, 2.9665e+00],  
 [4.6619e-01, 1.0940e-04, 5.0752e-02],  
 [5.2174e-03, 2.0067e-08, 8.2282e-04],  
 [3.1341e+01, 1.2357e-01, 1.2437e+00],  
 [5.5192e-01, 5.3287e-05, 4.7413e-02],  
 [9.8104e+01, 1.5819e+00, 4.2276e+00],  
 [3.6904e-01, 7.9498e-06, 3.1412e-02],  
 [7.1702e+00, 1.3830e-02, 3.7103e-01],  
 [7.9000e-03, 8.8796e-08, 1.1957e-03],  
 [5.7052e-01, 4.2085e-05, 6.4345e-02],  
 [4.5492e-01, 4.5199e-05, 4.8198e-02],  
 [1.9859e+01, 9.6931e-02, 9.6403e-01],  
 [1.0121e+01, 2.0243e-02, 3.9068e-01],  
 [7.6590e+00, 1.4401e-02, 3.7598e-01],  
 [5.4548e+00, 1.0726e-03, 5.5229e-01],  
 [1.3060e+00, 2.3309e-04, 8.4656e-02],  
 [1.3501e+01, 1.0446e-01, 1.2855e+00],  
 [6.7827e-03, 4.1941e-08, 1.0373e-03],  
 [6.6176e+01, 4.2331e-01, 2.5885e+00],  
 [1.6893e-02, 4.3761e-08, 2.4862e-03],  
 [5.3890e-01, 3.5928e-04, 7.2534e-02],  
 [2.5926e+00, 9.3812e-04, 2.2160e-01],  
 [3.3047e+01, 8.3066e-02, 1.4762e+00],  
 [1.1906e+01, 1.2293e-02, 9.5703e-01],  
 [3.2521e+01, 9.3833e-02, 1.2127e+00],  
 [2.6021e+00, 7.5143e-04, 1.4729e-01],  
 [3.8852e+01, 2.2470e-01, 2.0945e+00],  
 [1.0182e+02, 1.3687e+00, 2.5682e+00],  
 [5.0253e-01, 4.2578e-05, 4.6909e-02],  
 [3.5297e+00, 1.1405e-03, 1.8479e-01],  
 [4.3226e+00, 2.4147e-03, 3.6547e-01],  
 [7.5631e+01, 4.2562e-01, 2.3990e+00],  
 [1.4817e+01, 1.3265e-02, 7.1920e-01],  
 [3.1429e-02, 7.2794e-07, 4.3387e-03],  
 [1.5867e-01, 9.7189e-06, 1.6366e-02],  
 [5.3231e-01, 2.2875e-04, 6.6429e-02],  
 [1.1146e+02, 3.4255e-01, 2.6564e+00],

[5.2164e+01, 7.2739e-02, 3.2128e+00],  
 [5.8497e-02, 4.0821e-07, 8.0154e-03],  
 [2.5003e+00, 6.5381e-04, 1.3413e-01],  
 [3.0338e+01, 3.1523e-01, 1.1176e+00],  
 [1.1631e+01, 2.4930e-02, 6.2445e-01],  
 [9.6948e-01, 1.7007e-04, 8.8351e-02],  
 [4.4291e-03, 5.4143e-09, 7.0165e-04],  
 [9.7059e-01, 1.2251e-03, 1.3062e-01],  
 [2.2402e+00, 1.1116e-03, 1.5673e-01],  
 [3.1067e+01, 4.8563e-01, 1.8393e+00],  
 [2.2444e+01, 6.7079e-03, 6.4813e-01],  
 [4.3817e+01, 2.0801e-01, 1.2453e+00],  
 [4.3051e+01, 3.3974e-01, 2.1208e+00],  
 [5.8958e+00, 1.3093e-02, 3.7352e-01],  
 [3.5607e+01, 8.3521e-02, 1.8692e+00],  
 [2.2287e+01, 1.2112e-01, 1.1410e+00],  
 [2.6588e+00, 6.6458e-04, 2.1055e-01],  
 [5.4329e+00, 3.9188e-03, 3.5814e-01],  
 [2.0152e-01, 2.5789e-06, 2.2244e-02],  
 [9.3116e+00, 1.8738e-02, 4.2556e-01],  
 [4.1039e-01, 1.0729e-04, 4.5436e-02],  
 [1.5791e+01, 6.6337e-02, 1.4281e+00],  
 [1.2190e+02, 2.9290e+00, 2.6716e+00],  
 [2.0733e-01, 2.5967e-05, 2.3655e-02],  
 [9.6168e+00, 7.9283e-03, 1.0623e+00],  
 [4.8735e-01, 1.9282e-04, 6.2205e-02],  
 [1.1862e-01, 9.5298e-06, 1.3547e-02],  
 [8.5351e-03, 8.3084e-08, 1.3575e-03],  
 [1.1257e+00, 5.5966e-04, 8.4175e-02],  
 [7.7150e+01, 1.4260e+00, 1.9587e+00],  
 [8.4118e+00, 7.2113e-02, 8.2605e-01],  
 [4.7156e+01, 2.4011e-01, 2.7448e+00],  
 [1.6499e+00, 9.1005e-04, 1.2320e-01],  
 [5.7476e+01, 7.4542e-01, 1.9011e+00],  
 [3.3952e+01, 1.9288e-01, 1.3202e+00],  
 [8.6282e+01, 8.0277e-02, 3.4200e+00],  
 [5.2275e+00, 9.3302e-04, 3.2412e-01],  
 [8.8442e-01, 3.6792e-04, 1.1251e-01],  
 [7.4647e+01, 5.0767e-01, 1.6719e+00],  
 [3.5714e+00, 1.2540e-03, 3.3066e-01],  
 [7.6746e-01, 3.7275e-05, 4.9215e-02],  
 [5.2213e-01, 7.5400e-05, 5.5491e-02],  
 [6.5239e-01, 5.2855e-05, 8.1642e-02],  
 [9.5775e-01, 1.4421e-04, 9.3211e-02],  
 [2.1458e+02, 3.7110e+00, 3.5256e+00],  
 [7.9431e+01, 3.8514e-01, 2.6309e+00],  
 [3.4185e+00, 8.4741e-04, 1.4228e-01],  
 [1.4749e+01, 6.3047e-03, 6.1966e-01],



[1.0222e-01, 1.0421e-06, 1.2107e-02],  
 [1.4171e+02, 1.7028e+00, 4.6068e+00],  
 [1.4281e-01, 8.6761e-06, 1.7119e-02],  
 [7.9049e-01, 2.1625e-04, 7.3910e-02],  
 [3.8416e+00, 9.7388e-04, 2.3065e-01],  
 [4.8406e-02, 3.5096e-06, 7.2947e-03],  
 [1.1020e+02, 1.7023e+00, 2.4741e+00],  
 [4.3410e-01, 5.0031e-06, 4.0550e-02],  
 [1.4329e-01, 1.3089e-05, 1.5924e-02],  
 [5.0341e+01, 2.6612e-01, 2.4578e+00],  
 [1.8547e+01, 5.4011e-02, 6.7824e-01],  
 [6.7492e-02, 5.2236e-06, 9.2062e-03],  
 [8.3841e+01, 1.1938e+00, 3.4131e+00],  
 [1.0014e-02, 1.8472e-08, 1.5208e-03],  
 [3.6619e+01, 4.4798e-01, 2.3114e+00],  
 [3.1109e+01, 9.5662e-02, 1.4279e+00],  
 [1.1502e+02, 6.5438e-01, 2.8746e+00],  
 [2.8929e+00, 2.5832e-03, 1.6691e-01],  
 [1.0131e+01, 1.2565e-02, 6.6934e-01],  
 [2.7645e+01, 3.4434e-02, 2.3371e+00],  
 [1.2714e+01, 1.3654e-02, 7.3763e-01],  
 [6.1272e+00, 8.0199e-04, 4.2363e-01],  
 [2.4488e+01, 5.3912e-02, 1.0709e+00],  
 [2.7801e+01, 8.5042e-02, 7.6573e-01],  
 [1.9449e+02, 1.4485e+00, 3.3771e+00],  
 [2.9852e+01, 2.1051e-02, 8.8104e-01],  
 [4.2906e-01, 9.3644e-05, 4.5862e-02],  
 [5.0808e+01, 3.6713e-01, 2.2130e+00],  
 [6.3659e+01, 9.8984e-02, 1.6877e+00],  
 [2.7611e-02, 2.4532e-07, 4.0438e-03],  
 [7.8887e+01, 1.0553e+00, 1.9596e+00],  
 [1.0559e+01, 2.7202e-02, 6.2727e-01],  
 [2.9451e+01, 9.9234e-02, 7.3039e-01],  
 [1.1065e+00, 5.5615e-04, 1.1283e-01],  
 [4.9791e+01, 1.6778e-01, 1.4495e+00],  
 [5.6814e+00, 1.2125e-02, 5.5237e-01],  
 [1.1099e-01, 9.6101e-06, 1.3637e-02],  
 [3.1039e-04, 2.7914e-11, 5.0845e-05],  
 [6.2861e+00, 7.5669e-03, 3.0619e-01],  
 [1.9394e+00, 1.3699e-03, 1.6445e-01],  
 [6.2914e-01, 1.2331e-04, 5.3721e-02],  
 [5.9504e+00, 6.0357e-03, 4.1582e-01],  
 [3.9528e+01, 9.8300e-03, 1.2174e+00],  
 [1.9127e+01, 6.8604e-02, 6.5637e-01],  
 [2.6655e+01, 3.1798e-01, 2.2505e+00],  
 [6.2065e+01, 8.4822e-01, 2.2501e+00],  
 [1.1849e+00, 2.7714e-04, 1.0939e-01],  
 [8.9814e+01, 2.3954e+00, 3.3760e+00],

[1.0736e+02, 8.3534e-01, 3.4422e+00],  
 [1.7510e+01, 3.8651e-02, 1.3753e+00],  
 [7.9343e+00, 1.3149e-02, 4.0733e-01],  
 [6.1122e-01, 1.9305e-04, 5.2406e-02],  
 [6.5232e+00, 3.5766e-03, 3.4298e-01],  
 [3.0258e-01, 5.1850e-06, 3.4708e-02],  
 [4.3391e+01, 6.0594e-01, 2.3174e+00],  
 [1.4872e+01, 3.1553e-02, 6.0471e-01],  
 [6.8583e-02, 1.4914e-06, 9.5723e-03],  
 [2.5703e+00, 5.0787e-04, 2.7649e-01],  
 [1.3064e-01, 1.4651e-06, 1.6035e-02],  
 [3.6152e-01, 3.5114e-05, 3.7752e-02],  
 [1.3029e+02, 3.3054e+00, 3.3923e+00],  
 [3.3779e+00, 2.9547e-03, 2.2725e-01],  
 [1.1623e+01, 2.6194e-02, 6.1176e-01],  
 [2.3287e+00, 2.1666e-04, 2.0455e-01],  
 [1.4502e-03, 4.4120e-09, 2.3433e-04],  
 [1.2559e+00, 3.5785e-04, 1.1857e-01],  
 [9.4370e+00, 9.2854e-03, 3.4201e-01],  
 [5.4514e+00, 4.0002e-03, 2.6301e-01],  
 [2.4112e+00, 1.8731e-03, 1.5604e-01],  
 [5.2361e+01, 4.3848e-01, 2.6302e+00],  
 [6.6090e+00, 1.4279e-02, 7.3928e-01],  
 [2.0650e-01, 2.6375e-05, 2.2733e-02],  
 [1.0480e+01, 2.7824e-02, 5.0521e-01],  
 [3.2942e-01, 1.3009e-05, 3.6381e-02],  
 [1.9435e+01, 1.0121e-01, 7.3748e-01],  
 [2.8247e+01, 3.4655e-02, 1.3904e+00],  
 [5.1769e+00, 3.1210e-03, 5.6963e-01],  
 [5.6635e+00, 3.6174e-03, 3.1792e-01],  
 [7.5964e+00, 7.5496e-03, 4.9447e-01],  
 [5.3877e+01, 1.1744e+00, 2.5126e+00],  
 [4.7335e-03, 9.2635e-09, 7.3828e-04],  
 [2.3235e-01, 4.0880e-05, 2.7400e-02],  
 [1.7913e-02, 1.1934e-07, 2.5759e-03],  
 [1.1837e+02, 8.3235e-01, 3.1629e+00],  
 [6.8388e-01, 1.6830e-04, 8.1757e-02],  
 [8.1911e+01, 9.1598e-01, 2.6911e+00],  
 [8.5030e+00, 1.5301e-02, 3.9534e-01],  
 [9.5294e-01, 1.6166e-04, 6.3985e-02],  
 [2.5770e+01, 1.7038e-01, 9.9551e-01],  
 [2.4843e+01, 6.9449e-02, 1.4147e+00],  
 [1.9147e-02, 2.3981e-07, 2.7701e-03],  
 [3.7779e-01, 4.7497e-05, 3.3625e-02],  
 [1.2068e-01, 9.2464e-06, 1.7411e-02],  
 [5.7519e+00, 3.1348e-03, 3.3110e-01],  
 [8.2218e-01, 1.4997e-05, 6.2770e-02],  
 [7.9042e+01, 6.9025e-02, 2.7657e+00],

```

[9.7286e+00, 1.0502e-02, 4.4757e-01],
[4.6100e+00, 1.9217e-03, 4.3049e-01],
[7.4744e-01, 1.6806e-05, 8.1250e-02],
[7.8885e+00, 9.8462e-03, 7.5256e-01],
[6.9425e-01, 1.4623e-04, 5.4225e-02],
[1.3168e+01, 4.8718e-02, 1.1599e+00],
[5.7573e+00, 6.5404e-03, 4.8089e-01],
[6.3968e+00, 1.1691e-03, 3.2582e-01],
[4.5924e+01, 1.5343e-02, 1.1951e+00],
[1.5879e+01, 7.8153e-02, 1.0898e+00],
[6.1131e-01, 2.1038e-04, 6.7928e-02],
[4.2541e+01, 1.1782e-01, 1.9077e+00],
[1.7020e+00, 7.3518e-04, 1.1146e-01],
[1.4128e+01, 1.2379e-02, 6.6598e-01],
[6.3655e-02, 9.3359e-07, 8.2760e-03],
[9.7057e+01, 1.8074e-01, 3.8065e+00],
[2.1551e+00, 3.0955e-03, 2.2648e-01],
[1.0653e+01, 8.5645e-03, 5.9680e-01],
[1.2915e+00, 2.0048e-04, 1.6585e-01],
[5.7096e+01, 3.1472e-01, 2.6424e+00],
[5.1433e-02, 2.4492e-07, 7.5123e-03],
[3.0187e+01, 1.1337e-01, 9.6313e-01],
[5.0112e+00, 3.9690e-03, 2.4126e-01],
[1.6731e+02, 6.6557e+00, 3.8188e+00],
[4.5717e+01, 2.0634e-01, 1.1886e+00],
[5.8616e+00, 5.2105e-03, 5.3264e-01],
[2.8863e+01, 2.8242e-01, 1.7234e+00],
[1.2259e+02, 2.8569e-01, 4.1584e+00],
[4.8096e-01, 3.7311e-05, 5.9966e-02],
[6.3892e+01, 6.9321e-01, 1.3503e+00],
[9.4713e+01, 1.6226e+00, 3.8261e+00],
[1.7537e+01, 3.7034e-02, 8.9804e-01],
[1.5518e-01, 4.0241e-06, 2.0779e-02],
[6.1284e+01, 5.3369e-01, 2.3804e+00],
[7.3170e-01, 1.0396e-04, 6.5743e-02],
[4.3285e-01, 5.0560e-05, 4.9609e-02]], dtype=torch.float64)
Iteration: 59
Inputs: tensor([[1.0542e+19, 4.0781e+01, 1.3848e+01, 7.6736e+00],
               [1.9218e+18, 2.9193e+02, 1.5901e+01, 6.2280e+00],
               [7.4365e+18, 5.8541e+01, 7.9122e+00, 5.7303e+00],
               ...,
               [5.6186e+19, 3.7524e+02, 7.6375e+00, 1.1207e+00],
               [5.7497e+18, 4.5124e+02, 2.6254e+00, 1.2879e+00],
               [1.4967e+19, 1.7865e+02, 1.5230e+00, 5.2200e+00]], dtype=torch.float64)
Target: tensor([[1.1015e-01, 1.3668e-05, 1.5899e-02],
               [1.6396e-01, 1.3427e-05, 1.9035e-02],
               [1.6618e-01, 1.2155e-05, 2.2592e-02],
               [1.3493e+01, 3.1549e-03, 5.4265e-01],

```

[1.3633e+02, 2.6343e+00, 4.3414e+00],  
 [3.2346e-01, 1.6460e-05, 3.9326e-02],  
 [4.1497e+00, 1.6847e-03, 2.3602e-01],  
 [1.2790e+01, 7.6721e-02, 7.0050e-01],  
 [8.3436e+00, 8.5134e-03, 3.8222e-01],  
 [1.1320e-01, 1.4615e-05, 1.5876e-02],  
 [1.7165e+01, 3.5689e-02, 1.1657e+00],  
 [6.4668e+01, 3.9312e-01, 1.7349e+00],  
 [4.3489e+00, 1.8650e-03, 2.6786e-01],  
 [1.1451e+02, 5.1993e-01, 3.2305e+00],  
 [5.6745e+01, 3.0719e-02, 1.7835e+00],  
 [2.4870e+02, 6.8657e+00, 3.8655e+00],  
 [2.9132e+01, 5.3684e-03, 9.5980e-01],  
 [1.6814e+00, 6.5246e-04, 1.3128e-01],  
 [9.0336e+01, 1.2583e+00, 2.9876e+00],  
 [7.7508e-02, 1.8734e-06, 9.3132e-03],  
 [5.1230e-01, 3.7474e-05, 5.1169e-02],  
 [1.2067e-02, 8.5756e-09, 1.8265e-03],  
 [1.7451e-01, 2.2059e-05, 2.1090e-02],  
 [3.0414e+01, 7.9906e-02, 1.4295e+00],  
 [2.2690e+01, 6.0271e-02, 1.1615e+00],  
 [2.8038e+01, 2.1198e-01, 1.1276e+00],  
 [4.4685e-01, 8.4330e-06, 6.2813e-02],  
 [5.5843e+00, 4.0324e-03, 2.8341e-01],  
 [8.2494e+00, 1.0280e-02, 9.2265e-01],  
 [2.8065e-01, 3.3316e-05, 2.8952e-02],  
 [1.2458e+01, 1.6020e-02, 6.1546e-01],  
 [1.5647e+02, 7.4878e-01, 2.6446e+00],  
 [1.0123e+01, 1.6856e-02, 5.4924e-01],  
 [8.5327e+01, 3.2778e+00, 3.9966e+00],  
 [1.1505e-01, 4.6572e-06, 1.3827e-02],  
 [9.0316e-01, 4.8139e-04, 9.5501e-02],  
 [1.7277e+02, 3.6114e+00, 4.5146e+00],  
 [2.1811e+01, 7.1439e-02, 7.4605e-01],  
 [2.3285e+00, 8.7285e-04, 1.8628e-01],  
 [1.9088e+00, 2.1629e-04, 1.9498e-01],  
 [1.7524e+00, 1.0946e-03, 1.3184e-01],  
 [9.7277e+00, 7.5864e-03, 8.5395e-01],  
 [6.4120e+01, 3.0259e-01, 2.3445e+00],  
 [6.6718e+01, 4.9857e-01, 2.2100e+00],  
 [2.2550e+02, 3.1140e+00, 4.1902e+00],  
 [3.2650e+01, 7.8798e-02, 1.4203e+00],  
 [5.7269e+00, 1.2999e-02, 3.4728e-01],  
 [2.6914e-01, 3.1962e-05, 3.0602e-02],  
 [1.4650e-01, 6.9886e-06, 1.7969e-02],  
 [9.6482e-01, 4.1348e-04, 1.0884e-01],  
 [9.8091e-01, 7.5455e-05, 9.8833e-02],  
 [5.3570e-01, 8.7408e-05, 5.0114e-02],

[1.7127e-01, 2.5110e-05, 2.0086e-02],  
 [5.1181e-01, 4.2418e-05, 4.0882e-02],  
 [1.0335e+01, 1.2412e-02, 8.8614e-01],  
 [3.8770e+00, 2.2061e-03, 1.8934e-01],  
 [7.0889e+01, 1.6495e+00, 3.1902e+00],  
 [8.2321e-02, 2.9082e-06, 1.1030e-02],  
 [1.0732e+02, 1.8487e+00, 4.0660e+00],  
 [1.5791e-01, 1.7541e-05, 1.8337e-02],  
 [4.6331e+01, 7.2541e-02, 1.2270e+00],  
 [5.5385e-03, 3.7574e-09, 8.7036e-04],  
 [8.7163e+00, 2.4890e-03, 6.3294e-01],  
 [5.7988e+01, 4.8832e-01, 2.8994e+00],  
 [1.1588e-01, 2.5216e-06, 1.4760e-02],  
 [8.3358e-01, 5.1246e-05, 9.3195e-02],  
 [1.1383e+01, 2.8276e-02, 4.7235e-01],  
 [1.9139e+01, 1.2138e-02, 8.0924e-01],  
 [7.4986e+00, 3.2190e-02, 5.6402e-01],  
 [4.8822e-04, 9.0094e-11, 8.0033e-05],  
 [1.8151e+00, 7.7078e-05, 1.8268e-01],  
 [2.0537e+02, 7.1678e-01, 3.9638e+00],  
 [6.1888e-01, 7.0482e-05, 5.8685e-02],  
 [2.4155e-01, 2.0730e-05, 2.7259e-02],  
 [3.2412e+00, 3.6629e-03, 2.5649e-01],  
 [3.1949e+01, 3.1385e-01, 1.2934e+00],  
 [6.9427e+00, 4.0108e-03, 3.4826e-01],  
 [1.1559e+02, 3.2609e-01, 4.3483e+00],  
 [2.7374e+01, 9.3706e-02, 7.6400e-01],  
 [3.4759e-01, 1.3803e-05, 3.4141e-02],  
 [1.0175e-01, 6.2112e-06, 1.2241e-02],  
 [8.7056e-01, 2.0418e-04, 9.0717e-02],  
 [4.7774e+00, 3.4839e-03, 2.8008e-01],  
 [4.0770e+01, 3.6841e-01, 1.5013e+00],  
 [1.1068e+01, 4.7472e-02, 6.3935e-01],  
 [1.8877e-02, 1.9728e-07, 2.8140e-03],  
 [4.3506e-03, 1.8935e-08, 6.9780e-04],  
 [1.2155e+02, 1.4594e+00, 3.1780e+00],  
 [5.9235e+01, 8.4852e-02, 1.8059e+00],  
 [2.1622e+00, 3.5810e-03, 1.9024e-01],  
 [2.8062e+02, 5.2080e+00, 4.8701e+00],  
 [1.6428e+02, 3.0431e+00, 4.0524e+00],  
 [2.7817e+00, 1.2766e-03, 1.8594e-01],  
 [5.1522e+00, 5.3399e-03, 2.7980e-01],  
 [3.1560e+02, 8.7160e+00, 4.8475e+00],  
 [3.5972e+01, 3.9505e-01, 1.2162e+00],  
 [6.1902e+01, 1.6350e-01, 2.7166e+00],  
 [1.5620e+02, 9.3626e-01, 3.4638e+00],  
 [3.8670e-02, 1.3942e-07, 5.7578e-03],  
 [1.8607e+02, 9.7017e-01, 4.1656e+00],

[3.9336e-02, 3.8711e-07, 5.7101e-03],  
 [2.3194e-01, 2.1377e-05, 2.2817e-02],  
 [3.6521e-01, 3.1413e-05, 3.5878e-02],  
 [1.4479e+01, 7.0150e-02, 5.8993e-01],  
 [1.6212e-01, 9.6174e-06, 2.2239e-02],  
 [8.5112e-03, 2.8639e-08, 1.3225e-03],  
 [2.1614e+01, 5.0331e-02, 1.0117e+00],  
 [6.4015e-01, 2.5620e-04, 7.8312e-02],  
 [3.3914e-02, 1.0077e-06, 5.1607e-03],  
 [4.0365e+00, 4.9499e-04, 3.2696e-01],  
 [6.8024e+01, 1.6550e-01, 1.3449e+00],  
 [1.3652e+02, 1.0359e+00, 4.2955e+00],  
 [2.6702e-02, 8.2346e-08, 3.9067e-03],  
 [1.8924e+00, 9.8111e-04, 1.3142e-01],  
 [2.7845e+01, 1.3730e-02, 1.4990e+00],  
 [1.2970e+01, 2.2964e-02, 5.5120e-01],  
 [4.7059e-01, 1.2415e-05, 4.3283e-02],  
 [5.1837e+00, 1.5076e-03, 4.1951e-01],  
 [9.5638e-01, 1.8742e-04, 8.5475e-02],  
 [9.3496e-01, 9.4437e-04, 1.2173e-01],  
 [6.2465e-01, 1.4151e-04, 5.5652e-02],  
 [1.1272e+00, 3.6920e-04, 1.3780e-01],  
 [6.5398e+00, 9.6465e-04, 2.9035e-01],  
 [1.1572e+00, 1.2860e-04, 9.9325e-02],  
 [2.2660e+01, 3.6928e-03, 7.9710e-01],  
 [3.2252e-02, 4.4240e-07, 4.6178e-03],  
 [2.8252e+00, 9.8955e-05, 1.7572e-01],  
 [6.4162e+00, 3.1156e-02, 5.5041e-01],  
 [1.5414e-03, 7.6214e-10, 2.4830e-04],  
 [7.3741e-01, 1.8527e-04, 6.6800e-02],  
 [5.6611e+01, 5.9823e-01, 2.5994e+00],  
 [3.8011e+01, 4.9827e-01, 2.0729e+00],  
 [1.4813e-02, 9.9473e-08, 2.2052e-03],  
 [1.2219e+01, 6.3435e-02, 6.9334e-01],  
 [8.2777e+00, 1.2778e-02, 4.8830e-01],  
 [4.0414e+01, 3.6884e-01, 1.0267e+00],  
 [7.1269e+01, 7.7558e-01, 2.8435e+00],  
 [1.6590e+01, 7.1595e-02, 1.4343e+00],  
 [2.2369e+01, 3.1358e-02, 1.5354e+00],  
 [7.0409e-02, 1.0528e-06, 1.0289e-02],  
 [8.0076e+00, 2.0736e-02, 4.5104e-01],  
 [2.9719e-01, 3.8107e-05, 2.9980e-02],  
 [1.2250e+00, 5.1243e-04, 1.3498e-01],  
 [2.3648e+01, 7.3989e-02, 1.1988e+00],  
 [9.5361e-02, 1.7926e-06, 1.3641e-02],  
 [3.9992e+01, 1.3874e-01, 1.4863e+00],  
 [2.3847e-02, 3.9688e-07, 3.4122e-03],  
 [1.4589e-01, 2.7832e-06, 1.9738e-02],

[1.6293e+00, 1.1858e-03, 1.3055e-01],  
 [1.2231e+00, 3.9662e-04, 1.0153e-01],  
 [8.4645e+00, 5.3469e-03, 9.0092e-01],  
 [2.7903e+00, 1.1023e-03, 2.8991e-01],  
 [6.8173e+00, 1.0330e-02, 3.4721e-01],  
 [1.7027e+02, 4.2986e+00, 3.9906e+00],  
 [1.1482e+02, 1.6550e+00, 4.1568e+00],  
 [6.6348e+01, 5.2075e-01, 2.7664e+00],  
 [5.5681e-02, 1.4698e-06, 7.6676e-03],  
 [1.6857e-01, 5.8762e-06, 1.7538e-02],  
 [6.9002e+01, 1.2304e+00, 1.9335e+00],  
 [5.1530e+00, 3.9873e-04, 2.4116e-01],  
 [1.5118e-01, 8.9329e-06, 1.9373e-02],  
 [1.9988e+01, 8.4217e-02, 6.3374e-01],  
 [3.4033e+01, 1.5386e-01, 1.7366e+00],  
 [3.4077e+01, 5.5929e-02, 1.4360e+00],  
 [2.1004e+01, 6.9619e-02, 1.6266e+00],  
 [6.2341e+01, 2.0398e-01, 3.5691e+00],  
 [1.8995e+00, 1.3362e-03, 1.4177e-01],  
 [1.6977e+02, 8.9167e-02, 4.0806e+00],  
 [1.0966e+01, 2.3185e-02, 8.9444e-01],  
 [5.8364e+01, 5.1773e-01, 1.7459e+00],  
 [1.5825e-02, 1.9178e-07, 2.4833e-03],  
 [4.2548e-03, 3.7691e-09, 6.8660e-04],  
 [9.0606e-01, 8.9208e-05, 7.6030e-02],  
 [1.4432e+02, 1.9733e+00, 4.4699e+00],  
 [1.8468e-01, 4.3350e-06, 2.3138e-02],  
 [6.2774e+01, 1.6876e-01, 1.6530e+00],  
 [4.3055e-02, 2.3353e-07, 6.1900e-03],  
 [3.2975e+01, 1.4106e-01, 8.1112e-01],  
 [1.3905e-01, 2.9344e-06, 1.6573e-02],  
 [1.1504e+02, 3.9990e+00, 3.1367e+00],  
 [1.1962e+02, 2.1390e+00, 2.9511e+00],  
 [1.3570e+01, 8.1387e-03, 4.9948e-01],  
 [2.5533e+01, 1.1658e-01, 6.8620e-01],  
 [6.0494e-01, 8.2368e-06, 6.6573e-02],  
 [2.3133e-02, 5.7849e-07, 3.3592e-03],  
 [2.8123e+01, 4.7450e-02, 9.5107e-01],  
 [9.4709e+00, 3.5722e-03, 3.9869e-01],  
 [1.0134e+00, 1.6431e-04, 1.4044e-01],  
 [4.0986e+01, 2.2662e-01, 1.6688e+00],  
 [2.8611e+01, 1.2099e-01, 1.4657e+00],  
 [1.9637e+00, 8.6532e-04, 1.6314e-01],  
 [1.9443e-02, 2.1993e-07, 2.9418e-03],  
 [1.4517e+01, 1.0792e-02, 6.4076e-01],  
 [1.6205e+00, 8.6463e-04, 1.5286e-01],  
 [3.3767e+00, 8.6840e-04, 2.9953e-01],  
 [6.2150e+00, 6.3810e-03, 2.9623e-01],

[8.8563e-01, 2.7591e-05, 7.7416e-02],  
 [4.2995e+01, 7.1707e-01, 2.6408e+00],  
 [3.4477e+00, 4.1470e-03, 2.6167e-01],  
 [2.9882e+01, 1.1369e-01, 8.3408e-01],  
 [6.9177e-03, 4.3759e-08, 1.0565e-03],  
 [1.1728e-01, 5.0853e-06, 1.3241e-02],  
 [7.0904e+01, 4.7005e-01, 1.8210e+00],  
 [6.0171e-03, 3.5085e-08, 9.4132e-04],  
 [3.7456e+01, 1.9872e-01, 1.2287e+00],  
 [3.4368e+01, 3.0940e-01, 1.0575e+00],  
 [1.0104e+02, 1.6910e+00, 2.6687e+00],  
 [3.7261e-02, 5.6439e-07, 5.5747e-03],  
 [3.9448e+00, 5.4781e-03, 4.1030e-01],  
 [1.3849e+02, 1.8407e+00, 3.6034e+00],  
 [1.1002e-01, 1.6837e-06, 1.4985e-02],  
 [2.1479e-01, 1.6682e-05, 2.8297e-02],  
 [1.0600e+00, 6.9106e-04, 1.1003e-01],  
 [1.8625e+01, 1.8413e-02, 1.1205e+00],  
 [1.7823e+02, 5.9915e+00, 4.0481e+00],  
 [7.5634e+01, 9.8714e-01, 2.6513e+00],  
 [1.0809e+00, 3.5482e-04, 1.0891e-01],  
 [6.3152e+00, 2.3028e-02, 5.5276e-01],  
 [7.4759e+01, 6.1308e-01, 2.7367e+00],  
 [4.5915e+01, 3.5772e-01, 1.9393e+00],  
 [2.4548e+01, 6.3731e-02, 1.0893e+00],  
 [4.1836e-02, 1.3590e-06, 5.5364e-03],  
 [4.8013e-01, 1.7272e-05, 3.7092e-02],  
 [3.0730e+01, 1.2029e-01, 1.7979e+00],  
 [4.6411e-02, 2.0211e-07, 6.1375e-03],  
 [2.7876e-02, 5.8918e-07, 3.9305e-03],  
 [1.3848e+01, 1.7806e-02, 4.6462e-01],  
 [6.4070e+01, 2.1920e-01, 2.4239e+00],  
 [2.7249e-02, 3.9477e-07, 3.9686e-03],  
 [6.4266e+01, 3.7793e-01, 3.3134e+00],  
 [3.2819e+00, 3.3088e-03, 2.1486e-01],  
 [9.4398e+00, 8.3566e-03, 3.4833e-01],  
 [1.8020e+01, 1.3845e-02, 1.0657e+00],  
 [4.1389e+00, 4.5456e-03, 2.4458e-01],  
 [7.3206e+00, 7.4651e-03, 6.4604e-01],  
 [3.7690e+01, 8.0598e-01, 2.2399e+00],  
 [1.1513e+02, 7.2988e-01, 3.8340e+00],  
 [4.3767e+01, 1.9405e-01, 1.5953e+00],  
 [1.3094e+02, 1.8295e+00, 2.4743e+00],  
 [9.4192e+00, 8.6759e-03, 4.3137e-01],  
 [9.9955e-01, 2.1521e-04, 8.2944e-02],  
 [1.5253e+02, 4.4997e+00, 3.3256e+00],  
 [3.0143e+01, 1.6790e-01, 1.4886e+00],  
 [8.4814e+00, 1.4503e-02, 4.0733e-01],



[3.8448e+00, 3.2638e-03, 3.9319e-01],  
 [9.2066e+01, 8.9872e-02, 1.7660e+00],  
 [7.7594e+00, 1.0833e-02, 3.4031e-01],  
 [8.3492e+01, 4.1763e-01, 1.9789e+00],  
 [4.9912e-01, 1.3551e-05, 5.3040e-02],  
 [1.0836e+02, 3.9975e-01, 3.0081e+00],  
 [2.5151e+01, 1.2683e-01, 1.3882e+00],  
 [1.3571e-01, 1.6517e-05, 1.6155e-02],  
 [6.2052e+00, 3.7500e-03, 2.7436e-01],  
 [1.2981e+01, 1.6563e-02, 8.3215e-01],  
 [3.6207e+01, 3.9706e-01, 2.6671e+00],  
 [2.1181e+00, 1.7756e-03, 1.5848e-01],  
 [3.2259e+01, 3.6771e-01, 1.6412e+00],  
 [1.3483e+02, 1.0585e+00, 4.6512e+00],  
 [1.2287e+00, 5.7094e-04, 1.0633e-01],  
 [8.7156e-01, 3.7216e-04, 8.3554e-02],  
 [7.0269e+00, 1.8400e-02, 3.8404e-01],  
 [8.1477e+01, 6.0100e-01, 2.5911e+00],  
 [2.1264e-01, 5.4335e-06, 2.3811e-02],  
 [1.3759e+02, 5.4432e+00, 4.2585e+00],  
 [2.3158e+02, 6.0382e-01, 4.4505e+00],  
 [1.8195e-02, 4.6802e-08, 2.8198e-03],  
 [2.5602e+02, 3.3267e+00, 3.7876e+00],  
 [1.4508e+00, 7.4932e-04, 1.0532e-01],  
 [1.0227e+02, 2.2119e+00, 3.4053e+00],  
 [6.2939e-01, 4.4813e-05, 7.6280e-02],  
 [2.0263e+00, 1.0191e-03, 1.5195e-01],  
 [8.4651e-02, 1.2455e-06, 1.0157e-02],  
 [5.4948e-01, 6.3616e-06, 5.7880e-02],  
 [2.5367e-03, 6.8402e-09, 4.0214e-04],  
 [2.9365e-01, 2.1073e-05, 3.4337e-02],  
 [2.8881e+01, 1.6317e-01, 1.6888e+00],  
 [8.5315e-03, 1.4233e-08, 1.2938e-03],  
 [2.6486e-01, 1.3062e-05, 4.0469e-02],  
 [6.1986e-02, 2.4222e-06, 9.3874e-03],  
 [2.5790e-02, 6.9658e-07, 3.6123e-03],  
 [1.1585e-02, 4.6904e-08, 1.8517e-03],  
 [7.2378e+00, 6.9710e-03, 2.9083e-01],  
 [5.8661e-02, 7.2353e-07, 8.0973e-03],  
 [5.9541e-02, 1.4242e-06, 7.7465e-03],  
 [1.4775e+01, 7.7547e-02, 8.3358e-01],  
 [5.5630e-01, 6.5575e-05, 7.3976e-02],  
 [1.1198e+00, 3.9570e-04, 1.1322e-01],  
 [7.0186e-03, 2.9708e-08, 1.1071e-03],  
 [2.3527e+00, 5.8868e-04, 1.1351e-01],  
 [1.0135e+02, 5.3530e-02, 2.3965e+00],  
 [2.1845e+02, 9.0303e-01, 4.2709e+00],  
 [1.1797e+01, 1.2473e-01, 1.2726e+00],

```

[1.9617e+01, 7.0515e-02, 7.8732e-01],
[2.1452e+01, 9.0164e-03, 8.8890e-01],
[3.3411e+01, 1.3625e-01, 1.3750e+00],
[1.6514e+01, 3.9951e-02, 8.9674e-01],
[3.7920e-01, 2.7412e-05, 3.3910e-02],
[5.7999e+01, 8.2734e-01, 2.7502e+00],
[1.4401e+00, 5.8089e-04, 9.6403e-02],
[1.2007e+02, 7.5903e-01, 2.5034e+00],
[8.3641e+00, 7.6690e-02, 9.5659e-01],
[1.1158e+02, 2.9994e+00, 3.1609e+00],
[2.1332e+02, 7.0515e+00, 4.1510e+00],
[5.3275e-01, 1.2768e-04, 5.4474e-02],
[3.6982e+00, 7.7375e-04, 3.5310e-01],
[1.6292e-01, 8.9162e-06, 2.2754e-02],
[3.7317e+00, 1.4295e-03, 3.1240e-01],
[2.9014e+01, 3.4573e-02, 8.6525e-01],
[6.5788e+01, 1.9186e-01, 3.6955e+00],
[1.2378e+00, 1.4222e-04, 7.6780e-02],
[6.7698e+01, 1.4315e+00, 2.2660e+00],
[1.8539e+02, 8.0195e-01, 4.0245e+00],
[2.3186e+01, 1.1305e-02, 7.5673e-01],
[8.4519e+01, 5.1222e-01, 1.5242e+00],
[9.3642e-01, 4.9733e-05, 6.4239e-02],
[3.3300e-01, 1.2591e-05, 4.1304e-02],
[4.8367e+01, 8.8488e-02, 1.6488e+00],
[1.0790e+01, 2.8293e-03, 6.8945e-01],
[2.0718e+00, 3.6971e-05, 1.4118e-01],
[6.3507e+00, 2.2394e-03, 3.4118e-01]], dtype=torch.float64)
Iteration: 60
Inputs: tensor([[1.6532e+20, 4.9270e+02, 1.5168e+01, 9.9803e+00],
                [2.7704e+18, 4.4397e+02, 2.2777e+00, 7.1603e+00],
                [1.3142e+19, 1.1673e+02, 6.9871e+00, 3.5559e+00],
                ...,
                [7.3508e+20, 4.5127e+02, 1.5191e+01, 7.5157e+00],
                [9.8318e+20, 3.6668e+02, 3.7141e+00, 3.9689e+00],
                [4.5600e+19, 7.4830e+01, 5.5359e+00, 9.4931e+00]], dtype=torch.float64)
Target: tensor([[8.0100e+01, 1.8566e+00, 1.9094e+00],
                [1.8961e+00, 3.0272e-04, 9.8285e-02],
                [1.0051e+00, 1.4517e-04, 1.0878e-01],
                [3.4355e+00, 1.4330e-03, 3.0303e-01],
                [3.9581e+01, 1.7363e-02, 2.1166e+00],
                [1.3462e+01, 6.9643e-02, 7.3045e-01],
                [2.6378e+00, 1.9590e-03, 2.8508e-01],
                [4.6900e-01, 1.8303e-05, 4.7916e-02],
                [6.3902e-01, 9.6846e-05, 7.8708e-02],
                [1.4712e+00, 2.3948e-05, 1.3401e-01],
                [1.1754e+02, 9.1916e-01, 3.0836e+00],
                [4.4719e+01, 3.6704e-01, 1.9103e+00],

```

[1.5513e+01, 4.4144e-02, 5.2198e-01],  
 [1.1383e+00, 1.4205e-05, 7.9426e-02],  
 [2.5757e+01, 1.3085e-01, 1.0488e+00],  
 [1.1343e+00, 7.3139e-05, 9.9813e-02],  
 [1.3965e+00, 8.9241e-05, 1.0350e-01],  
 [1.6884e+00, 4.5362e-04, 1.1181e-01],  
 [4.6831e+01, 1.2691e-01, 1.6095e+00],  
 [8.0804e-01, 1.8261e-04, 6.9027e-02],  
 [2.6518e+00, 1.2394e-03, 1.7935e-01],  
 [1.4697e+01, 2.8219e-02, 5.1455e-01],  
 [2.2997e-01, 3.8781e-05, 3.0608e-02],  
 [4.2842e-01, 1.3993e-05, 5.1431e-02],  
 [6.2814e+01, 1.6738e-01, 1.5478e+00],  
 [3.9661e+00, 4.5647e-03, 2.2971e-01],  
 [8.4231e+00, 1.3388e-02, 8.1547e-01],  
 [2.0877e+01, 4.1373e-02, 6.1133e-01],  
 [1.9017e-01, 4.9564e-06, 2.6845e-02],  
 [9.8296e+01, 2.4293e-01, 3.1170e+00],  
 [1.7196e+00, 4.8412e-04, 1.6628e-01],  
 [2.6521e-01, 4.7293e-05, 3.4636e-02],  
 [7.7435e+00, 6.4798e-03, 2.7030e-01],  
 [3.5238e+00, 8.8147e-04, 2.0103e-01],  
 [5.6931e+01, 6.5512e-01, 2.2958e+00],  
 [6.2147e+01, 1.0760e-01, 1.5299e+00],  
 [6.3395e+01, 6.8939e-01, 1.9273e+00],  
 [4.5797e+01, 2.0257e-01, 1.1650e+00],  
 [2.0600e-01, 1.8638e-05, 2.5795e-02],  
 [2.1477e+00, 1.6483e-03, 1.4179e-01],  
 [1.1290e+00, 3.1067e-04, 7.9794e-02],  
 [9.9242e+01, 1.7501e+00, 2.9630e+00],  
 [6.9214e+01, 1.5902e-01, 3.0768e+00],  
 [2.2957e-01, 8.7358e-06, 2.5304e-02],  
 [3.9527e+00, 9.4416e-04, 3.1955e-01],  
 [5.5193e+01, 5.1792e-01, 2.2428e+00],  
 [2.0226e+01, 1.0065e-01, 1.1007e+00],  
 [1.5090e+00, 5.8830e-04, 1.1027e-01],  
 [7.1675e+01, 2.6914e-01, 1.8237e+00],  
 [2.0470e+01, 7.8807e-02, 1.5376e+00],  
 [3.6871e+01, 7.5534e-02, 1.0422e+00],  
 [1.6414e+00, 6.0452e-04, 1.4279e-01],  
 [8.9197e+01, 3.2393e-01, 2.2685e+00],  
 [1.1317e+00, 1.1132e-03, 1.2556e-01],  
 [5.0842e+01, 1.4662e-01, 1.7850e+00],  
 [9.9510e-02, 2.8821e-06, 1.2259e-02],  
 [1.7747e-02, 1.6411e-07, 2.6841e-03],  
 [7.7100e-01, 4.1154e-04, 8.1876e-02],  
 [1.6303e+01, 1.7930e-02, 1.1954e+00],  
 [7.2141e-01, 2.9995e-05, 7.8292e-02],

[8.9923e+00, 3.5279e-03, 4.8087e-01],  
 [3.3676e+01, 3.0272e-01, 1.1229e+00],  
 [1.0590e-01, 5.8352e-06, 1.4473e-02],  
 [1.9070e+02, 4.1978e+00, 4.2887e+00],  
 [7.7678e+00, 7.6769e-03, 4.1821e-01],  
 [4.7439e+00, 8.8999e-03, 3.3558e-01],  
 [5.3583e-01, 1.4738e-04, 7.5630e-02],  
 [2.7109e+00, 1.0720e-03, 2.4585e-01],  
 [5.2726e+01, 4.8424e-01, 1.2979e+00],  
 [1.9291e+01, 4.0166e-03, 1.1599e+00],  
 [9.9962e+00, 1.3389e-02, 4.0874e-01],  
 [3.2338e+00, 4.8309e-04, 2.5032e-01],  
 [1.0445e+00, 9.7823e-05, 6.6614e-02],  
 [2.4893e+01, 9.4389e-02, 1.6951e+00],  
 [1.8098e-01, 1.1722e-05, 2.3471e-02],  
 [1.0432e+00, 1.4063e-04, 5.6619e-02],  
 [9.2651e+01, 1.0392e+00, 3.0762e+00],  
 [2.3132e+01, 1.0602e-02, 7.8347e-01],  
 [8.2477e+01, 9.8226e-01, 2.5130e+00],  
 [1.1069e+00, 1.3821e-03, 1.4525e-01],  
 [5.7804e+01, 8.8621e-02, 2.2492e+00],  
 [8.2621e-01, 2.2162e-04, 8.1813e-02],  
 [7.8504e+01, 1.3703e+00, 2.2329e+00],  
 [7.8633e+00, 1.3645e-02, 4.9922e-01],  
 [2.0715e+01, 9.7748e-03, 8.8290e-01],  
 [6.1207e-04, 1.5158e-10, 9.9873e-05],  
 [6.3794e+00, 3.2706e-04, 4.8826e-01],  
 [7.0424e+01, 1.4223e+00, 2.0859e+00],  
 [6.4077e+00, 1.7753e-02, 3.9779e-01],  
 [5.9011e+00, 7.4722e-03, 4.7475e-01],  
 [1.0865e+01, 2.3592e-03, 6.3798e-01],  
 [1.8572e-02, 1.0375e-07, 2.8411e-03],  
 [7.7569e+00, 6.5724e-02, 9.0598e-01],  
 [1.2014e+01, 6.0034e-02, 7.3530e-01],  
 [2.0248e-01, 6.9324e-07, 2.7489e-02],  
 [1.0845e+00, 2.1162e-04, 1.0038e-01],  
 [7.1880e-01, 6.4043e-05, 5.5824e-02],  
 [4.4511e-02, 3.2687e-07, 6.6982e-03],  
 [4.0412e+01, 6.8378e-01, 2.2655e+00],  
 [4.2949e+00, 4.2806e-04, 1.7657e-01],  
 [6.3409e-02, 1.1482e-06, 8.4558e-03],  
 [1.1252e+01, 3.4909e-02, 1.1968e+00],  
 [2.9473e+00, 2.1708e-04, 1.7558e-01],  
 [2.1131e-01, 8.0700e-06, 2.5063e-02],  
 [2.3922e+01, 2.5615e-02, 6.5980e-01],  
 [5.4313e+00, 6.7540e-03, 3.6536e-01],  
 [1.6193e+01, 3.7421e-02, 6.6108e-01],  
 [4.9941e+00, 1.0126e-03, 2.3621e-01],

[3.8595e+00, 5.0586e-03, 2.1626e-01],  
 [4.3087e+01, 2.8179e-01, 9.9811e-01],  
 [3.5691e+00, 2.8687e-03, 2.4389e-01],  
 [2.7502e-02, 3.0139e-07, 4.0421e-03],  
 [4.4389e-01, 7.1087e-05, 4.3533e-02],  
 [8.9855e+01, 9.4135e-01, 3.1395e+00],  
 [3.4902e+01, 2.2487e-01, 1.5822e+00],  
 [1.0059e+01, 5.6435e-02, 6.0846e-01],  
 [1.8063e-01, 2.8477e-05, 2.5594e-02],  
 [1.5336e+01, 5.7373e-02, 7.1967e-01],  
 [8.9019e+00, 2.5139e-02, 5.1772e-01],  
 [7.7821e+00, 2.6401e-03, 4.1194e-01],  
 [9.4575e-01, 2.8563e-05, 8.3579e-02],  
 [1.1665e+02, 3.3900e-01, 4.1019e+00],  
 [1.4700e+00, 5.5776e-04, 1.1719e-01],  
 [2.7756e+01, 4.5040e-02, 1.1184e+00],  
 [5.9945e+01, 5.0788e-01, 2.0304e+00],  
 [1.1009e-02, 1.5379e-08, 1.6838e-03],  
 [7.0147e+01, 1.2051e+00, 3.8080e+00],  
 [8.0325e-01, 3.5094e-04, 1.0963e-01],  
 [2.9185e+01, 1.3184e-02, 8.9807e-01],  
 [6.1832e+00, 3.0775e-02, 6.6357e-01],  
 [3.7904e+00, 1.5801e-04, 2.1221e-01],  
 [1.4364e-01, 3.4757e-06, 1.8981e-02],  
 [6.6177e+01, 6.1519e-01, 1.6156e+00],  
 [7.1199e-02, 3.0681e-06, 9.9621e-03],  
 [1.0048e+00, 1.6335e-04, 9.2368e-02],  
 [1.0554e-01, 3.3966e-06, 1.2269e-02],  
 [1.6827e-01, 3.6928e-06, 2.2949e-02],  
 [5.3219e+01, 4.2969e-01, 1.3752e+00],  
 [4.6931e-03, 1.3996e-08, 7.2806e-04],  
 [9.0734e-03, 7.2767e-08, 1.3924e-03],  
 [3.9448e+01, 1.1447e-01, 2.6222e+00],  
 [9.0423e+01, 9.5394e-01, 2.8520e+00],  
 [3.2158e+00, 2.9196e-03, 2.6906e-01],  
 [6.6917e-01, 2.1632e-04, 6.0990e-02],  
 [1.2985e+00, 6.0899e-05, 1.2702e-01],  
 [6.0098e+00, 4.4095e-03, 4.5815e-01],  
 [9.8665e-01, 2.9269e-04, 1.0152e-01],  
 [8.0950e+00, 3.7671e-02, 8.2266e-01],  
 [1.4623e+00, 2.1797e-04, 1.4389e-01],  
 [5.2187e+01, 9.0857e-02, 1.9061e+00],  
 [7.7026e+01, 8.4794e-01, 2.2640e+00],  
 [1.6759e+02, 2.4769e+00, 2.5468e+00],  
 [9.9532e+01, 4.5279e-01, 3.5485e+00],  
 [3.9257e+00, 3.6177e-03, 2.3191e-01],  
 [1.5693e+01, 4.8920e-02, 1.0583e+00],  
 [6.8851e+00, 4.9573e-03, 5.7820e-01],

[4.7163e-02, 1.3276e-06, 6.6033e-03],  
 [8.3555e-02, 1.7956e-06, 1.1456e-02],  
 [2.8670e+01, 1.0575e-01, 7.1766e-01],  
 [4.0840e+01, 3.9868e-01, 1.4578e+00],  
 [1.6984e+01, 1.6245e-02, 9.1969e-01],  
 [4.0519e+00, 5.2484e-03, 2.6376e-01],  
 [2.1597e-01, 4.7602e-05, 3.0588e-02],  
 [1.9181e-01, 4.5228e-06, 2.4060e-02],  
 [2.1797e+02, 2.6620e+00, 4.2160e+00],  
 [2.3560e-01, 6.0323e-06, 2.8039e-02],  
 [1.4556e+01, 4.9827e-02, 5.7975e-01],  
 [1.8879e-01, 1.5614e-05, 2.2835e-02],  
 [9.4117e+00, 1.3382e-02, 4.4377e-01],  
 [5.8931e+01, 1.0769e+00, 1.8323e+00],  
 [4.9750e+00, 4.2425e-03, 4.5563e-01],  
 [1.9820e-02, 1.5473e-07, 2.8392e-03],  
 [2.9952e+00, 1.0177e-03, 2.9626e-01],  
 [2.5432e+01, 4.5881e-02, 1.6529e+00],  
 [3.9398e-01, 5.2056e-05, 4.3031e-02],  
 [4.5716e+01, 1.8118e-01, 1.5011e+00],  
 [3.9833e+01, 1.4583e-01, 1.5559e+00],  
 [3.9758e+01, 2.9885e-01, 2.2051e+00],  
 [4.5981e+00, 3.4971e-03, 2.6089e-01],  
 [7.4169e+01, 1.3043e-01, 3.7627e+00],  
 [1.9278e-01, 1.5726e-05, 2.1849e-02],  
 [4.5968e+00, 1.2677e-03, 2.5162e-01],  
 [6.2629e-02, 5.8946e-07, 8.9238e-03],  
 [5.1953e+00, 1.0708e-02, 3.2925e-01],  
 [1.4520e+01, 4.6924e-03, 5.7996e-01],  
 [6.7447e+00, 5.3475e-03, 4.1284e-01],  
 [3.4413e+00, 8.7988e-04, 2.2001e-01],  
 [1.1725e+01, 3.2215e-02, 4.9266e-01],  
 [1.1376e+02, 4.0978e+00, 3.5062e+00],  
 [1.8122e-02, 1.4390e-08, 2.7449e-03],  
 [3.2295e+00, 2.5414e-03, 2.0113e-01],  
 [1.2202e-01, 4.2927e-06, 1.4933e-02],  
 [1.4651e+01, 7.0113e-02, 8.1955e-01],  
 [3.1880e+01, 2.0215e-01, 1.0824e+00],  
 [5.2741e+00, 9.5423e-03, 3.1429e-01],  
 [4.0069e+01, 4.4578e-01, 1.5636e+00],  
 [6.8558e-01, 1.3591e-04, 7.2442e-02],  
 [1.9781e+01, 9.7251e-02, 8.2714e-01],  
 [2.4157e-02, 9.5815e-08, 3.5277e-03],  
 [5.6789e+01, 4.4962e-01, 1.1218e+00],  
 [1.9432e-01, 9.1371e-06, 2.1475e-02],  
 [1.8275e+02, 1.4823e-01, 3.4649e+00],  
 [2.7642e+01, 2.1943e-01, 1.9020e+00],  
 [3.3836e+00, 3.5872e-04, 2.8208e-01],

[5.1092e-01, 2.8548e-06, 4.0529e-02],  
 [1.1601e-01, 7.4337e-06, 1.5037e-02],  
 [6.8302e-01, 2.2911e-05, 7.4075e-02],  
 [1.0287e-01, 7.3266e-07, 1.4386e-02],  
 [6.3364e+01, 2.1552e-01, 2.4301e+00],  
 [3.0097e+00, 1.7146e-03, 1.8617e-01],  
 [4.4212e+00, 1.1356e-03, 3.4196e-01],  
 [1.9943e-01, 2.6834e-06, 2.4143e-02],  
 [8.0251e+01, 6.5932e-01, 2.1242e+00],  
 [1.6929e+00, 7.6935e-04, 1.4197e-01],  
 [5.4789e-01, 1.8671e-04, 5.0459e-02],  
 [1.5577e+01, 7.8868e-03, 4.7422e-01],  
 [7.2226e+01, 8.8207e-01, 1.5512e+00],  
 [5.7304e-03, 3.9808e-08, 8.9380e-04],  
 [3.1679e-01, 2.3335e-05, 2.8535e-02],  
 [2.2646e+01, 1.0197e-01, 1.2397e+00],  
 [2.9505e+00, 4.0097e-03, 1.9885e-01],  
 [2.6533e+00, 6.5157e-04, 1.4570e-01],  
 [2.0921e+00, 1.1962e-03, 1.4461e-01],  
 [3.2761e-01, 1.1868e-05, 3.0818e-02],  
 [6.4958e-02, 4.4035e-06, 8.4107e-03],  
 [1.6777e+02, 3.9369e-01, 3.3894e+00],  
 [6.5662e+01, 7.8892e-01, 2.2824e+00],  
 [1.0129e+02, 1.3399e+00, 1.8939e+00],  
 [1.4120e-01, 3.2093e-06, 2.1721e-02],  
 [6.3374e+01, 1.8720e-01, 3.3425e+00],  
 [4.8155e+00, 6.1274e-03, 3.0750e-01],  
 [2.2499e+00, 5.9691e-04, 1.7065e-01],  
 [2.6257e+00, 1.1636e-03, 1.7521e-01],  
 [1.5508e+01, 2.9642e-02, 7.3635e-01],  
 [1.2629e+02, 1.3369e+00, 3.3313e+00],  
 [1.6404e+01, 1.3207e-02, 9.9777e-01],  
 [4.8259e+01, 7.2545e-02, 3.1761e+00],  
 [8.1514e+01, 7.9344e-01, 2.6997e+00],  
 [2.2215e-01, 1.5697e-05, 2.6850e-02],  
 [9.6292e+00, 6.2124e-03, 5.3820e-01],  
 [3.1545e+01, 1.2043e-01, 1.6792e+00],  
 [8.0514e-01, 1.4681e-04, 9.1404e-02],  
 [6.3272e+01, 1.0318e-01, 1.6082e+00],  
 [3.1839e+02, 9.8455e+00, 4.8531e+00],  
 [4.7785e+00, 9.3185e-03, 5.7792e-01],  
 [1.2049e+02, 2.8146e+00, 3.0183e+00],  
 [2.5318e-01, 7.2754e-06, 2.9761e-02],  
 [6.2068e+01, 3.0366e-01, 2.8316e+00],  
 [1.2606e+02, 2.3016e+00, 2.3363e+00],  
 [3.2640e+01, 2.8438e-02, 1.5505e+00],  
 [4.9885e+01, 5.0661e-01, 1.7707e+00],  
 [5.7682e-01, 2.8337e-04, 6.7980e-02],

[7.0708e+00, 3.6271e-03, 3.2332e-01],  
 [1.1934e+02, 2.1838e+00, 2.8142e+00],  
 [1.3196e+00, 8.1433e-05, 8.6056e-02],  
 [3.7702e+01, 9.2783e-02, 1.9258e+00],  
 [1.3430e-03, 1.7938e-10, 2.1756e-04],  
 [2.0557e+02, 6.5406e+00, 3.8271e+00],  
 [1.0248e+02, 1.3767e+00, 3.5276e+00],  
 [3.5221e+00, 3.1305e-03, 2.6651e-01],  
 [2.1161e-01, 1.3749e-05, 2.3945e-02],  
 [5.1695e+01, 1.2805e-01, 2.3873e+00],  
 [5.2521e-01, 1.0520e-04, 5.3562e-02],  
 [1.3095e+00, 2.0705e-04, 1.1738e-01],  
 [2.6031e+02, 3.4542e+00, 3.9390e+00],  
 [1.1563e-03, 3.0747e-10, 1.8953e-04],  
 [4.3894e+00, 2.1347e-03, 2.9680e-01],  
 [6.5245e+00, 4.5479e-03, 3.3620e-01],  
 [6.1423e-02, 2.4396e-06, 8.4678e-03],  
 [1.6065e+01, 3.0808e-02, 9.6069e-01],  
 [7.9496e+00, 1.1500e-03, 3.1684e-01],  
 [2.6793e+02, 3.2868e+00, 5.0869e+00],  
 [8.2912e+00, 1.8758e-02, 5.0895e-01],  
 [5.7469e-01, 1.5803e-04, 5.8126e-02],  
 [8.0980e-02, 1.6260e-06, 1.0807e-02],  
 [7.7166e+01, 4.8251e-01, 3.0405e+00],  
 [3.7229e+01, 9.9464e-02, 9.6174e-01],  
 [3.2383e+01, 1.2594e-01, 1.3013e+00],  
 [1.9497e+01, 3.5989e-02, 1.2776e+00],  
 [1.7200e+01, 1.3698e-02, 1.3454e+00],  
 [5.6403e-02, 8.6562e-07, 8.5564e-03],  
 [1.5377e+02, 1.5500e+00, 2.9267e+00],  
 [1.9176e+00, 1.4082e-04, 1.1878e-01],  
 [2.4798e+00, 4.8504e-05, 1.8331e-01],  
 [2.9566e-02, 7.0800e-07, 4.0660e-03],  
 [1.9398e+01, 3.5123e-02, 6.6838e-01],  
 [9.8949e+01, 4.3066e-01, 2.0905e+00],  
 [5.2448e+01, 4.2046e-01, 1.7351e+00],  
 [3.9053e-01, 1.0058e-05, 3.5489e-02],  
 [8.7103e+00, 1.6910e-02, 5.0213e-01],  
 [2.0162e+01, 3.4461e-02, 6.7317e-01],  
 [7.7824e+00, 5.2348e-02, 6.6524e-01],  
 [3.7270e-01, 4.0833e-05, 3.7200e-02],  
 [1.0798e+00, 1.4027e-04, 1.2238e-01],  
 [1.8492e-01, 6.1645e-06, 2.2812e-02],  
 [9.5497e+00, 1.4982e-02, 4.9759e-01],  
 [1.2904e-01, 1.8191e-05, 1.6251e-02],  
 [7.1149e+01, 7.9846e-01, 2.1978e+00],  
 [9.4066e+00, 1.3636e-02, 1.0434e+00],  
 [1.1113e+01, 6.7605e-03, 4.4549e-01],



```

[6.4866e+01, 1.4663e+00, 2.2732e+00],
[6.5118e+00, 1.6101e-03, 4.4644e-01],
[1.3093e+00, 6.4081e-05, 8.5442e-02],
[3.5897e-02, 7.4743e-07, 5.2152e-03],
[1.8324e+01, 1.5558e-01, 1.5759e+00],
[7.9447e+01, 1.0053e+00, 3.4713e+00],
[2.9261e+01, 2.0809e-01, 1.0843e+00],
[1.2904e+01, 5.3519e-02, 9.5252e-01],
[3.8488e+00, 2.2408e-03, 2.2575e-01],
[2.8605e+01, 2.7691e-01, 9.2008e-01],
[6.7455e-02, 2.1175e-06, 9.3106e-03],
[1.9844e+01, 4.6016e-02, 1.1416e+00],
[3.4684e+01, 2.3698e-02, 1.1674e+00],
[3.3285e-01, 3.5799e-05, 3.1781e-02],
[2.6367e-01, 8.1538e-06, 3.3735e-02],
[2.6642e+02, 2.9118e+00, 3.8935e+00],
[1.0337e+01, 6.6842e-02, 8.8686e-01],
[1.8827e+02, 6.4508e+00, 4.2964e+00],
[2.6079e+02, 2.1444e+00, 5.0829e+00],
[7.7544e+00, 2.3470e-02, 5.4862e-01]], dtype=torch.float64)
Iteration: 61
Inputs: tensor([[2.8564e+18, 2.2758e+02, 1.6780e+01, 7.9637e+00],
[2.1203e+20, 3.8419e+02, 1.6845e+00, 1.7159e+00],
[7.1026e+19, 1.2532e+02, 2.5045e+00, 1.1995e+00],
...,
[3.1639e+20, 1.4669e+02, 5.0975e+00, 8.2497e+00],
[5.9729e+20, 1.5249e+02, 1.4484e+01, 8.5055e+00],
[4.7969e+18, 4.0859e+02, 5.9533e+00, 6.7515e+00]], dtype=torch.float64)
Target: tensor([[2.5434e-01, 4.4914e-05, 2.8912e-02],
[9.4223e+01, 5.8962e-02, 2.1972e+00],
[1.0631e+01, 1.3588e-03, 7.3381e-01],
[5.1059e-02, 2.8116e-06, 7.4040e-03],
[4.5881e+01, 5.8754e-01, 2.6955e+00],
[2.1238e-01, 7.1043e-06, 2.0518e-02],
[5.5915e-01, 3.3150e-05, 6.8656e-02],
[4.2814e-01, 8.6608e-05, 4.6629e-02],
[1.9482e-01, 5.6179e-05, 2.7544e-02],
[1.7119e+02, 3.5668e+00, 2.8679e+00],
[1.0775e-02, 4.4037e-08, 1.6049e-03],
[1.2911e+02, 1.6137e+00, 2.3579e+00],
[1.5631e-01, 1.8686e-05, 1.9813e-02],
[2.9481e+00, 1.9105e-03, 2.1964e-01],
[2.9270e+01, 1.6155e-01, 1.2312e+00],
[7.8741e+00, 1.0919e-03, 3.5916e-01],
[1.2188e+02, 1.7092e+00, 2.6253e+00],
[5.1920e-02, 1.1716e-07, 7.0448e-03],
[1.7145e+00, 4.3400e-04, 1.5524e-01],
[5.5551e-02, 1.5367e-06, 7.8848e-03],

```

[7.1756e-03, 3.3343e-08, 1.1114e-03],  
 [1.5384e+01, 2.2003e-02, 5.2489e-01],  
 [7.5083e+01, 1.2596e+00, 2.0678e+00],  
 [3.2946e+01, 1.9929e-01, 1.1808e+00],  
 [2.6539e+01, 5.8345e-02, 1.4031e+00],  
 [3.1624e-01, 5.6211e-05, 3.2861e-02],  
 [3.5004e+01, 3.4304e-02, 2.2138e+00],  
 [1.4780e+02, 4.7514e+00, 4.0156e+00],  
 [2.2452e+00, 6.5078e-04, 1.9700e-01],  
 [1.2777e+02, 1.1654e+00, 2.7318e+00],  
 [2.1125e-02, 5.8945e-07, 3.2023e-03],  
 [5.5522e+00, 3.6412e-03, 3.3504e-01],  
 [3.5369e-01, 3.4888e-05, 3.4942e-02],  
 [3.2344e+01, 2.5610e-01, 1.7042e+00],  
 [2.8737e-01, 4.8207e-05, 2.7745e-02],  
 [3.0125e+00, 3.9687e-03, 2.8650e-01],  
 [1.8049e+00, 1.8194e-03, 1.7644e-01],  
 [7.1052e-01, 2.8891e-04, 9.6233e-02],  
 [3.8801e+00, 3.0526e-03, 2.5069e-01],  
 [9.6167e+01, 3.8213e-01, 3.8474e+00],  
 [1.0190e-01, 2.8082e-06, 1.2180e-02],  
 [1.1109e+02, 1.4571e+00, 3.9582e+00],  
 [4.3329e+00, 2.3033e-03, 2.8038e-01],  
 [1.9016e+00, 1.0527e-03, 1.3173e-01],  
 [2.9922e+01, 1.3581e-01, 9.7185e-01],  
 [2.0600e-01, 6.3494e-06, 2.3980e-02],  
 [1.4337e+02, 2.3399e+00, 2.6596e+00],  
 [7.4508e+00, 2.9766e-02, 4.4979e-01],  
 [1.9606e+01, 1.5936e-02, 8.9789e-01],  
 [1.3530e+01, 2.5332e-02, 4.4448e-01],  
 [1.0189e+01, 2.9605e-03, 6.2639e-01],  
 [1.9188e+01, 1.1945e-01, 1.0957e+00],  
 [5.1149e+01, 1.8521e-01, 1.6619e+00],  
 [2.0404e+01, 3.2194e-02, 1.8874e+00],  
 [8.0271e-01, 2.8663e-04, 7.4808e-02],  
 [7.7972e-02, 2.6509e-06, 9.6730e-03],  
 [2.2625e+01, 1.8371e-01, 1.3708e+00],  
 [1.1689e+01, 1.0277e-02, 6.5694e-01],  
 [3.3048e-02, 5.3704e-07, 5.0825e-03],  
 [1.1243e+02, 1.5429e+00, 2.6727e+00],  
 [2.1295e+02, 6.6319e+00, 4.9155e+00],  
 [1.6854e+02, 1.9950e+00, 4.6895e+00],  
 [2.4746e+00, 2.1987e-03, 2.3753e-01],  
 [5.9416e-01, 4.8191e-05, 4.5464e-02],  
 [1.6099e+02, 2.7658e+00, 4.0729e+00],  
 [5.2110e-01, 1.4573e-04, 6.6324e-02],  
 [2.7109e+01, 9.1713e-02, 1.4544e+00],  
 [2.2009e+02, 1.1284e+01, 4.8898e+00],

[3.8337e+01, 2.5084e-01, 2.1678e+00],  
 [5.6450e+01, 5.9717e-02, 2.8635e+00],  
 [6.3196e+01, 1.1175e-01, 2.9518e+00],  
 [8.3711e+01, 8.7353e-01, 2.2672e+00],  
 [2.9969e-02, 3.4606e-07, 4.7045e-03],  
 [4.8921e-02, 2.2246e-06, 6.4074e-03],  
 [4.0446e+01, 2.3225e-01, 1.1226e+00],  
 [8.9384e-01, 2.4442e-04, 1.0261e-01],  
 [1.3162e+01, 5.0595e-03, 4.8175e-01],  
 [5.4810e+00, 4.4716e-03, 2.9732e-01],  
 [7.4261e+01, 4.8669e-01, 3.4240e+00],  
 [5.2144e-02, 2.7274e-06, 6.9193e-03],  
 [1.4170e+01, 3.6749e-03, 1.0500e+00],  
 [1.2492e+02, 2.7007e+00, 3.4970e+00],  
 [9.5705e+00, 7.2225e-03, 3.4407e-01],  
 [1.6808e+02, 2.5236e+00, 3.1473e+00],  
 [2.6048e+01, 1.1662e-01, 7.8250e-01],  
 [3.9147e+01, 6.5154e-02, 2.1949e+00],  
 [2.2733e+00, 5.1119e-03, 2.4916e-01],  
 [7.2368e+00, 2.1648e-03, 7.6813e-01],  
 [1.0397e+00, 2.6323e-05, 9.0120e-02],  
 [5.3929e+01, 4.9337e-01, 1.8161e+00],  
 [4.1682e+00, 6.0357e-03, 3.3281e-01],  
 [1.1099e-01, 8.0358e-06, 1.4812e-02],  
 [1.7988e+01, 4.8611e-02, 7.8283e-01],  
 [2.2105e+01, 1.4069e-01, 8.5494e-01],  
 [2.0449e-02, 3.1772e-07, 2.9500e-03],  
 [1.8812e+01, 1.7709e-01, 1.6930e+00],  
 [1.5156e+01, 5.6604e-02, 5.2877e-01],  
 [2.1068e+01, 1.1479e-01, 7.6084e-01],  
 [7.4170e-02, 2.7379e-06, 9.8478e-03],  
 [4.0185e-01, 3.3213e-05, 5.0609e-02],  
 [9.5699e-02, 6.4586e-06, 1.4257e-02],  
 [1.2474e+01, 5.3548e-02, 7.3672e-01],  
 [3.6033e+01, 3.3396e-02, 1.8841e+00],  
 [1.3110e+02, 5.5783e+00, 3.7480e+00],  
 [3.2423e+01, 2.3553e-01, 1.0085e+00],  
 [6.4352e+01, 6.4554e-01, 1.6808e+00],  
 [1.5647e+01, 1.3387e-01, 1.1060e+00],  
 [1.4752e+02, 1.7157e+00, 3.2927e+00],  
 [9.9999e+00, 3.1141e-03, 6.3363e-01],  
 [3.2530e+00, 1.1009e-03, 2.0142e-01],  
 [1.1078e+01, 1.3582e-02, 4.6608e-01],  
 [5.1243e-01, 3.7092e-06, 3.5444e-02],  
 [3.9480e+00, 6.8556e-03, 3.1025e-01],  
 [1.2085e+01, 5.4135e-02, 6.9667e-01],  
 [1.0786e-02, 3.0467e-08, 1.6392e-03],  
 [2.2734e+01, 8.0162e-03, 1.1505e+00],

[1.0871e+02, 3.9117e-01, 2.5326e+00],  
 [2.3219e+00, 1.0455e-03, 1.7949e-01],  
 [3.4714e+01, 1.3965e-01, 1.2542e+00],  
 [3.3621e+01, 1.7470e-01, 9.0738e-01],  
 [1.1773e+02, 1.8086e+00, 2.5591e+00],  
 [9.2113e+01, 6.0726e-01, 2.5612e+00],  
 [8.1990e+00, 2.8482e-03, 2.9177e-01],  
 [1.4083e+02, 5.8752e+00, 3.4892e+00],  
 [1.3495e+01, 3.0228e-02, 8.5082e-01],  
 [1.7500e+01, 1.3238e-01, 1.1011e+00],  
 [1.1471e+00, 2.8756e-04, 7.9339e-02],  
 [1.6916e+00, 7.6284e-04, 1.2768e-01],  
 [6.7848e+00, 9.1903e-03, 4.8195e-01],  
 [2.1211e-01, 3.2745e-06, 2.3889e-02],  
 [1.5458e+01, 2.6929e-02, 1.4262e+00],  
 [2.0220e+01, 4.0924e-02, 1.0457e+00],  
 [7.8169e-01, 2.2814e-04, 7.2282e-02],  
 [3.3575e+00, 1.5582e-03, 2.0314e-01],  
 [1.1452e+00, 9.1648e-04, 1.2837e-01],  
 [1.4530e+00, 5.8187e-04, 1.4021e-01],  
 [6.4652e-01, 1.4177e-05, 4.3100e-02],  
 [4.7776e+00, 2.6116e-03, 2.3762e-01],  
 [6.1180e+00, 5.8044e-03, 4.5244e-01],  
 [3.1789e-01, 3.6739e-06, 3.2385e-02],  
 [1.2268e+01, 1.3785e-02, 9.5220e-01],  
 [3.1344e+00, 3.0831e-03, 2.0309e-01],  
 [2.2546e+01, 7.1238e-02, 1.1296e+00],  
 [1.1760e-01, 1.3322e-06, 1.4624e-02],  
 [1.0352e+01, 1.2228e-02, 7.1039e-01],  
 [3.6834e+00, 3.5315e-03, 3.0330e-01],  
 [6.9931e-02, 3.4603e-06, 9.2218e-03],  
 [5.5540e+00, 1.3801e-02, 3.8584e-01],  
 [3.2381e+01, 3.2418e-01, 1.1410e+00],  
 [7.4815e-03, 9.7157e-08, 1.1597e-03],  
 [1.1451e-01, 3.2398e-06, 1.2989e-02],  
 [6.9864e-01, 3.7282e-05, 9.5628e-02],  
 [9.5157e-02, 9.6824e-06, 1.2170e-02],  
 [2.2561e-01, 6.9853e-06, 2.6086e-02],  
 [1.5419e+00, 1.4070e-04, 1.2375e-01],  
 [6.4167e+00, 2.2312e-03, 4.1074e-01],  
 [5.3350e-01, 1.1084e-04, 4.4707e-02],  
 [1.5430e+01, 1.5707e-02, 5.5816e-01],  
 [4.8076e-01, 1.6710e-05, 5.2196e-02],  
 [1.5541e+01, 6.9449e-02, 9.0222e-01],  
 [2.3114e+01, 1.0454e-02, 7.7494e-01],  
 [1.6772e+01, 3.4553e-02, 5.5090e-01],  
 [1.0506e+02, 4.2658e-01, 3.8988e+00],  
 [3.5584e-01, 2.4583e-05, 3.4763e-02],

[2.8108e+01, 4.6094e-02, 1.4678e+00],  
[6.6131e-02, 1.4454e-06, 8.3696e-03],  
[1.1239e+02, 1.6372e+00, 2.6418e+00],  
[2.4086e+01, 9.7606e-02, 1.1977e+00],  
[5.1480e-02, 7.8418e-07, 7.6571e-03],  
[1.7842e+01, 8.9154e-02, 8.1972e-01],  
[5.1522e-01, 8.5065e-05, 4.8511e-02],  
[1.3173e+01, 2.5745e-02, 9.8507e-01],  
[1.9311e+02, 2.5371e+00, 3.5893e+00],  
[1.8097e+00, 2.6926e-03, 1.9989e-01],  
[7.8859e+00, 1.0274e-02, 3.7541e-01],  
[4.8922e+00, 5.7790e-03, 5.4028e-01],  
[5.2717e+01, 3.7121e-01, 1.6923e+00],  
[1.1313e+01, 3.2586e-02, 5.5122e-01],  
[3.8646e+01, 2.8923e-01, 1.7291e+00],  
[2.3253e-01, 2.9078e-05, 2.5211e-02],  
[9.4003e-03, 3.4669e-08, 1.4268e-03],  
[7.8828e-01, 2.0895e-04, 8.3261e-02],  
[7.0555e-01, 8.9319e-05, 7.1510e-02],  
[1.3532e+02, 1.0412e+00, 4.5332e+00],  
[4.5167e+01, 1.1462e-01, 1.6108e+00],  
[2.3154e+02, 1.1184e+00, 4.0934e+00],  
[2.2699e+01, 1.0324e-01, 1.0243e+00],  
[1.4543e+01, 1.3445e-02, 1.2951e+00],  
[7.2490e-01, 1.8270e-05, 8.0589e-02],  
[2.9327e-02, 7.9226e-08, 4.5030e-03],  
[1.8163e-02, 5.8469e-08, 2.7203e-03],  
[4.3046e+00, 2.2276e-03, 3.7955e-01],  
[3.0310e+01, 1.4133e-01, 1.4753e+00],  
[1.4989e-03, 5.5932e-10, 2.4523e-04],  
[6.1620e+01, 3.6839e-01, 3.3971e+00],  
[2.3091e-02, 4.9471e-07, 3.4992e-03],  
[1.3209e+01, 3.4481e-02, 7.6886e-01],  
[9.9317e+01, 1.9920e+00, 3.3352e+00],  
[7.9056e+01, 9.0225e-01, 2.3648e+00],  
[2.8208e+01, 1.5607e-01, 1.9971e+00],  
[4.9668e-01, 2.4782e-05, 6.1677e-02],  
[7.1429e-01, 5.2208e-05, 7.4677e-02],  
[2.4097e+01, 2.7528e-02, 1.6853e+00],  
[8.0887e+01, 2.7163e-01, 1.5012e+00],  
[2.8188e+01, 3.6083e-02, 6.9925e-01],  
[2.1787e+00, 1.2516e-03, 2.2195e-01],  
[6.3436e+00, 1.6051e-02, 4.9965e-01],  
[1.9650e-01, 7.4389e-06, 2.4441e-02],  
[3.8697e-01, 1.5373e-04, 5.1265e-02],  
[2.3343e+01, 3.9887e-02, 8.3502e-01],  
[4.8537e+00, 2.0993e-03, 3.8441e-01],  
[3.8340e+01, 1.2368e-01, 2.2225e+00],

[2.3204e+00, 3.1976e-04, 1.4158e-01],  
 [7.9755e+01, 8.4150e-01, 2.7493e+00],  
 [8.9153e+00, 4.0127e-03, 6.7181e-01],  
 [8.1098e-01, 1.4094e-04, 9.6711e-02],  
 [1.0078e+02, 2.2434e-01, 3.6836e+00],  
 [9.8903e+00, 1.9327e-02, 4.3331e-01],  
 [1.0513e+00, 5.8415e-04, 1.4643e-01],  
 [1.0981e+02, 1.0532e+00, 3.3115e+00],  
 [6.3684e+01, 6.2903e-01, 1.8672e+00],  
 [1.3105e-01, 2.9776e-06, 1.8017e-02],  
 [7.9394e+00, 4.8734e-03, 3.9324e-01],  
 [8.8659e+01, 5.4168e-02, 2.9180e+00],  
 [9.8786e+00, 2.6017e-02, 6.2123e-01],  
 [1.0009e+01, 8.2057e-03, 4.4687e-01],  
 [2.0614e+01, 3.7831e-02, 8.5219e-01],  
 [2.6020e+00, 1.9373e-03, 2.0040e-01],  
 [2.0982e-02, 2.6691e-08, 3.0551e-03],  
 [2.1812e+01, 4.8535e-02, 8.9760e-01],  
 [1.9691e-02, 4.5636e-07, 3.0861e-03],  
 [1.5989e-01, 4.8565e-06, 1.6845e-02],  
 [3.4789e+01, 2.7080e-01, 1.1948e+00],  
 [2.0189e+00, 7.3286e-04, 2.4959e-01],  
 [9.1417e-02, 1.9270e-06, 1.1400e-02],  
 [1.0326e+00, 1.5832e-04, 1.1407e-01],  
 [5.3950e+00, 6.6646e-03, 3.7448e-01],  
 [5.5560e+01, 3.6839e-01, 2.0707e+00],  
 [7.8793e+01, 1.0836e-01, 3.9202e+00],  
 [2.3856e-01, 6.5558e-05, 3.4661e-02],  
 [6.0477e-01, 1.1574e-04, 5.0924e-02],  
 [9.8003e-02, 5.1731e-06, 1.2799e-02],  
 [4.3486e+01, 5.7735e-02, 1.3204e+00],  
 [5.6235e+01, 4.8245e-01, 2.3072e+00],  
 [1.0649e+00, 7.0276e-06, 7.8576e-02],  
 [1.1324e+00, 7.3499e-05, 8.7375e-02],  
 [6.3845e+00, 1.3920e-03, 2.7985e-01],  
 [1.1096e+02, 2.9149e+00, 2.6740e+00],  
 [6.1713e+00, 4.3145e-03, 3.4309e-01],  
 [2.3703e+01, 2.4911e-01, 1.9130e+00],  
 [5.7395e+01, 7.9439e-01, 2.0342e+00],  
 [2.2042e+01, 1.2890e-01, 1.2146e+00],  
 [3.1370e+00, 9.6353e-04, 3.2267e-01],  
 [1.1214e+02, 7.6802e-01, 2.7033e+00],  
 [1.0519e+02, 2.3785e+00, 2.8895e+00],  
 [1.5966e+02, 2.7978e-01, 2.5544e+00],  
 [1.1602e+02, 4.0379e-01, 4.0612e+00],  
 [3.2867e-01, 1.9057e-06, 2.8616e-02],  
 [6.1009e+01, 1.3168e+00, 1.6576e+00],  
 [1.6917e-01, 1.2293e-05, 2.2610e-02],

[1.2053e-01, 1.0876e-05, 1.6458e-02],  
 [4.8735e+00, 2.6085e-02, 5.0398e-01],  
 [3.3256e+00, 2.2536e-03, 1.6335e-01],  
 [6.4074e+00, 2.7704e-02, 4.9832e-01],  
 [5.3718e+01, 6.3789e-02, 2.6818e+00],  
 [2.2816e+02, 5.8626e+00, 3.8260e+00],  
 [9.7415e-02, 1.7740e-06, 1.1917e-02],  
 [2.7229e+01, 1.0415e-01, 1.3716e+00],  
 [8.2418e+01, 3.8361e-01, 2.9132e+00],  
 [4.6135e+00, 3.6635e-03, 2.3326e-01],  
 [5.1638e+01, 4.6339e-01, 1.3030e+00],  
 [7.4292e+00, 8.2332e-03, 3.9988e-01],  
 [1.1263e+02, 1.4398e-01, 2.9057e+00],  
 [6.7388e-01, 1.2528e-04, 5.1426e-02],  
 [1.8851e+02, 7.3085e+00, 4.2927e+00],  
 [2.1718e+00, 1.1248e-03, 1.8087e-01],  
 [1.0681e-02, 3.5475e-08, 1.6639e-03],  
 [3.7125e+00, 4.2661e-04, 2.5777e-01],  
 [1.5251e+02, 3.3705e+00, 3.2120e+00],  
 [1.5812e+01, 5.9296e-02, 6.8722e-01],  
 [2.8990e+01, 8.0237e-02, 1.2503e+00],  
 [3.4992e-02, 1.0248e-06, 5.0885e-03],  
 [2.4505e-03, 4.0137e-09, 3.9513e-04],  
 [5.2549e+00, 1.2031e-02, 4.9255e-01],  
 [7.3450e+01, 1.2177e+00, 1.8499e+00],  
 [1.1281e+00, 2.7759e-04, 1.0706e-01],  
 [4.6644e+01, 3.4762e-02, 1.0952e+00],  
 [5.0037e+01, 2.4353e-01, 1.5743e+00],  
 [1.3399e+01, 2.8119e-02, 1.0964e+00],  
 [2.1750e-01, 1.0918e-05, 2.3965e-02],  
 [8.7591e+01, 1.1128e-01, 2.2504e+00],  
 [1.8669e-02, 3.2836e-07, 2.6927e-03],  
 [2.4761e-01, 2.2768e-05, 3.2422e-02],  
 [7.0087e+00, 1.7222e-02, 4.2146e-01],  
 [3.9713e+01, 5.9088e-02, 8.1826e-01],  
 [1.2567e+01, 1.7376e-02, 5.1526e-01],  
 [7.4513e+01, 1.8289e+00, 2.8385e+00],  
 [1.7809e-02, 1.2844e-07, 2.5716e-03],  
 [1.2434e-01, 6.8770e-06, 1.3913e-02],  
 [2.0726e+00, 1.5941e-03, 1.4979e-01],  
 [1.5389e+00, 1.6325e-04, 1.3723e-01],  
 [1.2625e+02, 2.8004e+00, 3.8430e+00],  
 [9.2873e-01, 4.3662e-05, 6.5889e-02],  
 [8.9072e-01, 1.5900e-04, 9.0525e-02],  
 [1.2736e-02, 3.7558e-08, 1.8929e-03],  
 [2.4013e-01, 1.2188e-05, 3.0686e-02],  
 [2.8956e+01, 3.8496e-02, 8.5740e-01],  
 [3.9460e+01, 8.7993e-03, 1.3223e+00],

```

[5.2852e+00, 4.3840e-03, 2.5516e-01],
[2.1831e+01, 1.4552e-01, 8.6349e-01],
[9.0213e+01, 8.2722e-01, 3.6182e+00],
[1.5834e+00, 4.2342e-04, 8.8749e-02],
[2.5997e+01, 8.3430e-02, 6.7316e-01],
[6.2252e+01, 6.3484e-01, 3.4014e+00],
[6.1947e-03, 8.2900e-09, 9.8274e-04],
[1.2979e+01, 3.6029e-02, 5.5904e-01],
[5.9670e-01, 3.5468e-04, 7.7592e-02],
[7.3143e+01, 7.9916e-01, 2.5340e+00],
[7.9535e+01, 1.8425e+00, 3.3374e+00],
[2.4783e+00, 7.4242e-04, 1.4254e-01]], dtype=torch.float64)
Iteration: 62
Inputs: tensor([[9.6729e+19, 4.8220e+01, 1.2393e+01, 5.7637e+00],
[4.6759e+19, 1.8457e+02, 1.6257e+01, 3.2280e+00],
[4.1666e+20, 4.4427e+02, 4.8393e+00, 4.3103e+00],
...,
[8.4225e+18, 2.0979e+02, 8.9397e+00, 7.1872e+00],
[7.8503e+20, 3.8058e+02, 7.8998e+00, 7.2792e+00],
[3.0978e+20, 3.8903e+02, 1.5780e+01, 9.4154e+00]], dtype=torch.float64)
Target: tensor([[3.3492e+00, 6.1579e-03, 3.6583e-01],
[4.6553e+00, 4.8745e-03, 4.0868e-01],
[1.5643e+02, 1.0299e+00, 3.2128e+00],
[5.4439e-01, 4.7385e-05, 6.6917e-02],
[1.9389e-01, 6.7946e-06, 2.4563e-02],
[1.4720e+00, 9.0764e-04, 1.1120e-01],
[1.8110e+02, 7.1394e-01, 4.6811e+00],
[4.9543e+01, 4.0389e-01, 1.1292e+00],
[1.0384e+02, 2.1454e+00, 2.8599e+00],
[4.5400e+00, 4.4109e-03, 2.4016e-01],
[5.4660e+01, 1.5499e-01, 2.0387e+00],
[4.4578e+01, 4.7864e-01, 1.6053e+00],
[5.4993e+01, 6.1031e-01, 1.8188e+00],
[5.7089e-02, 2.2675e-06, 8.4046e-03],
[1.8262e+01, 1.2511e-02, 6.0434e-01],
[1.7399e+02, 7.0375e+00, 4.5283e+00],
[1.7293e+01, 1.1574e-01, 1.2519e+00],
[2.1645e-01, 2.4982e-05, 2.1157e-02],
[7.1628e-01, 1.1065e-04, 5.0622e-02],
[1.1127e+01, 8.4844e-03, 9.8873e-01],
[1.9212e-01, 2.4086e-05, 2.0088e-02],
[3.0556e-03, 1.4202e-08, 4.8304e-04],
[8.5889e+01, 3.0505e-01, 2.7192e+00],
[5.5685e-01, 5.9528e-05, 3.9634e-02],
[4.2855e+01, 3.2504e-01, 1.1043e+00],
[1.9604e-01, 7.6152e-06, 1.9120e-02],
[4.6970e+01, 1.9268e-01, 1.8124e+00],
[4.0122e-01, 6.8149e-05, 4.8462e-02],

```



[4.4256e+00, 3.4445e-03, 2.3153e-01],  
 [9.1066e-01, 1.0076e-04, 7.0484e-02],  
 [3.9219e+01, 2.7690e-01, 1.4070e+00],  
 [2.4019e+01, 7.7810e-03, 1.1620e+00],  
 [5.1130e-01, 1.7240e-04, 6.5601e-02],  
 [1.3171e+00, 6.1707e-04, 1.1590e-01],  
 [1.0768e+01, 2.1305e-02, 7.5392e-01],  
 [5.6994e+01, 7.1030e-01, 1.6952e+00],  
 [3.1179e+01, 2.4529e-01, 9.6886e-01],  
 [4.2412e+00, 2.8855e-03, 3.1916e-01],  
 [1.7511e+01, 9.3923e-02, 7.2227e-01],  
 [9.8517e+00, 3.0208e-02, 9.0331e-01],  
 [8.5838e-01, 2.4281e-04, 8.0740e-02],  
 [5.4220e+01, 3.1736e-01, 2.8423e+00],  
 [5.8854e+00, 2.6395e-03, 2.8948e-01],  
 [6.4390e-01, 5.8955e-05, 6.3582e-02],  
 [1.4360e+00, 1.2338e-03, 1.5379e-01],  
 [1.8830e+00, 7.5950e-04, 1.4322e-01],  
 [2.1086e-01, 1.6196e-05, 2.2031e-02],  
 [5.5150e+01, 8.4821e-02, 1.3261e+00],  
 [8.2948e+01, 1.8688e+00, 2.3531e+00],  
 [2.4932e+01, 1.5770e-01, 1.6660e+00],  
 [4.9652e+01, 9.6873e-02, 1.1727e+00],  
 [2.4877e+01, 1.3816e-01, 1.8181e+00],  
 [6.5370e-01, 1.2989e-04, 8.2272e-02],  
 [7.4195e+01, 1.3137e-01, 3.4657e+00],  
 [5.8665e+00, 6.5440e-03, 4.3725e-01],  
 [2.3148e-01, 1.7223e-05, 2.2500e-02],  
 [1.2558e+00, 1.5130e-03, 1.4442e-01],  
 [1.2519e+01, 2.5087e-02, 1.0097e+00],  
 [4.4706e+01, 5.9351e-02, 1.0936e+00],  
 [2.4116e+01, 2.5482e-01, 1.8762e+00],  
 [7.1190e+00, 1.8204e-02, 4.5965e-01],  
 [1.4117e+01, 2.4859e-02, 4.9267e-01],  
 [3.3771e+00, 2.7210e-03, 4.2777e-01],  
 [1.3841e-02, 3.2157e-08, 2.2135e-03],  
 [5.2900e-01, 1.0218e-04, 4.6324e-02],  
 [2.0247e+01, 2.2152e-02, 1.0131e+00],  
 [1.4953e+02, 1.0017e+00, 4.0787e+00],  
 [2.4724e-02, 5.1287e-08, 3.8937e-03],  
 [3.8087e+01, 1.8010e-01, 1.0865e+00],  
 [7.7749e+01, 5.4613e-01, 3.5433e+00],  
 [5.5948e+01, 2.1514e-01, 2.8213e+00],  
 [2.8978e+00, 1.2659e-04, 2.3489e-01],  
 [3.4488e+00, 1.3394e-03, 2.4072e-01],  
 [1.0312e-01, 1.5324e-06, 1.4416e-02],  
 [1.0629e+02, 2.9371e+00, 3.4909e+00],  
 [9.3001e+01, 3.5718e-01, 1.6632e+00],

[1.5918e+00, 2.1472e-04, 1.2256e-01],  
 [9.1575e-01, 7.2174e-05, 8.8588e-02],  
 [4.8435e+01, 8.6258e-01, 1.6792e+00],  
 [5.1065e+01, 3.3111e-01, 1.6946e+00],  
 [8.5462e+01, 2.0477e+00, 3.2893e+00],  
 [7.7589e+00, 1.6279e-02, 4.1676e-01],  
 [1.3906e+01, 3.4619e-02, 5.9071e-01],  
 [6.5545e+00, 5.7751e-03, 3.1276e-01],  
 [2.5692e-01, 9.0611e-06, 3.1519e-02],  
 [2.3890e+02, 3.6608e+00, 3.7816e+00],  
 [2.3287e+01, 5.3067e-02, 9.6667e-01],  
 [8.9355e-02, 3.3276e-06, 1.1461e-02],  
 [1.1420e+01, 4.9678e-03, 4.1207e-01],  
 [2.8438e+01, 1.4317e-02, 2.2478e+00],  
 [1.2639e+02, 1.1921e+00, 4.5288e+00],  
 [8.2829e+00, 3.4091e-03, 3.7268e-01],  
 [7.8354e-01, 2.7753e-04, 9.7688e-02],  
 [9.2709e-03, 7.7660e-08, 1.4845e-03],  
 [3.7695e+00, 4.0817e-03, 4.2677e-01],  
 [2.6938e-01, 6.4270e-06, 2.9326e-02],  
 [1.0911e+00, 1.1072e-05, 1.1199e-01],  
 [1.9903e+01, 2.7750e-02, 5.4606e-01],  
 [6.5984e+00, 3.0445e-03, 2.7501e-01],  
 [3.0185e+01, 7.7846e-02, 2.0988e+00],  
 [1.1522e-02, 4.5661e-09, 1.8012e-03],  
 [1.4330e+02, 4.1982e-01, 3.9269e+00],  
 [6.7188e-01, 3.8377e-04, 7.5980e-02],  
 [2.1078e+01, 1.0842e-01, 8.0062e-01],  
 [1.0830e+02, 8.0174e-01, 3.0399e+00],  
 [2.2359e-01, 2.3045e-05, 2.5875e-02],  
 [1.0299e-01, 8.1608e-06, 1.2787e-02],  
 [3.5961e+00, 1.7780e-03, 2.0433e-01],  
 [4.4650e+00, 9.1987e-03, 4.9163e-01],  
 [5.0425e+01, 1.0659e+00, 2.7212e+00],  
 [6.4330e-01, 2.0596e-04, 7.1333e-02],  
 [4.1783e+01, 2.9013e-01, 1.5607e+00],  
 [1.6376e+01, 1.3877e-02, 9.8893e-01],  
 [2.6363e+01, 2.0548e-01, 1.6968e+00],  
 [1.1521e+01, 8.2823e-03, 1.0270e+00],  
 [6.0174e-02, 2.6937e-06, 8.2206e-03],  
 [1.8594e+02, 1.0719e+01, 4.2531e+00],  
 [5.5679e+01, 1.9840e-01, 1.8504e+00],  
 [1.4344e+02, 3.8581e+00, 4.2787e+00],  
 [7.2195e+01, 7.7180e-01, 1.9421e+00],  
 [3.9853e+00, 1.8658e-03, 3.5574e-01],  
 [2.4356e-01, 1.0375e-05, 2.2281e-02],  
 [3.1480e-03, 2.0200e-09, 5.0543e-04],  
 [2.8567e+01, 1.3625e-01, 1.1242e+00],

[2.9913e+00, 9.8273e-03, 3.4116e-01],  
 [1.2232e+01, 2.4987e-02, 7.8942e-01],  
 [1.2100e+00, 5.2777e-04, 9.9285e-02],  
 [4.4506e-02, 2.5042e-06, 6.0569e-03],  
 [1.6679e-01, 1.2428e-05, 1.6949e-02],  
 [4.3079e+01, 1.9120e-01, 9.7917e-01],  
 [1.6134e+02, 2.2175e+00, 4.4271e+00],  
 [7.0191e+00, 1.2168e-02, 3.4032e-01],  
 [9.1060e+00, 1.0242e-02, 4.0420e-01],  
 [3.9296e+01, 1.7379e-01, 8.0380e-01],  
 [2.7786e+00, 3.1514e-04, 2.2931e-01],  
 [9.6495e-02, 1.5177e-06, 1.1216e-02],  
 [1.4772e-01, 6.9726e-06, 1.6163e-02],  
 [7.3957e-01, 9.8046e-05, 5.1208e-02],  
 [2.9838e-01, 4.9210e-06, 3.8645e-02],  
 [6.1263e-02, 3.8712e-07, 8.0070e-03],  
 [2.5695e+01, 1.2383e-02, 8.9956e-01],  
 [2.0912e+01, 1.7632e-02, 6.3470e-01],  
 [2.6541e+00, 1.0128e-03, 2.6025e-01],  
 [1.8887e+02, 1.9480e+00, 3.6260e+00],  
 [2.8266e-01, 2.9825e-05, 3.0964e-02],  
 [5.5558e-01, 2.9528e-05, 4.7225e-02],  
 [3.0945e+02, 1.9048e+00, 5.0192e+00],  
 [1.2543e+01, 6.1207e-02, 5.7773e-01],  
 [2.8925e+01, 1.9680e-01, 1.4920e+00],  
 [3.0299e+01, 7.2440e-02, 8.7656e-01],  
 [3.2914e+00, 5.6876e-04, 1.8507e-01],  
 [1.8881e+01, 1.5661e-02, 8.1165e-01],  
 [3.5357e-02, 1.0186e-07, 4.9354e-03],  
 [4.7644e+00, 4.8740e-03, 3.3981e-01],  
 [1.4643e+00, 5.4027e-04, 1.1777e-01],  
 [1.5173e+00, 1.4959e-03, 1.3961e-01],  
 [1.9658e+01, 7.5119e-02, 7.7813e-01],  
 [4.9692e+00, 2.7425e-03, 2.1986e-01],  
 [3.0410e+00, 1.1088e-03, 1.8425e-01],  
 [1.9268e-01, 8.0097e-06, 2.1183e-02],  
 [4.6718e+00, 3.9010e-03, 2.5486e-01],  
 [1.0400e-01, 9.2580e-06, 1.5362e-02],  
 [5.4927e+00, 1.5895e-03, 4.1680e-01],  
 [1.7162e-01, 1.4163e-06, 1.9507e-02],  
 [3.9331e+01, 2.2796e-01, 1.4847e+00],  
 [4.5685e-02, 7.8858e-07, 6.2890e-03],  
 [1.2940e-02, 1.8981e-07, 1.9213e-03],  
 [1.2282e+02, 2.0288e+00, 2.3296e+00],  
 [8.7892e+00, 3.5449e-03, 4.2199e-01],  
 [2.6296e+00, 8.8061e-04, 1.8011e-01],  
 [1.7916e+01, 1.9751e-02, 5.2263e-01],  
 [2.2439e+00, 1.2609e-03, 1.8930e-01],

[7.8013e-01, 6.5840e-05, 8.3203e-02],  
 [2.1602e-01, 1.6665e-05, 2.9633e-02],  
 [1.0565e-01, 9.9530e-07, 1.3681e-02],  
 [1.5983e+00, 2.2814e-04, 1.0446e-01],  
 [4.4124e-02, 3.2268e-07, 6.0999e-03],  
 [1.0070e+02, 2.1788e+00, 3.6066e+00],  
 [4.9559e-01, 2.0087e-04, 5.8356e-02],  
 [4.9775e-01, 1.2676e-04, 5.0451e-02],  
 [4.2240e-02, 2.7563e-06, 5.8045e-03],  
 [7.2435e-01, 1.4560e-04, 7.6191e-02],  
 [1.4307e-03, 3.4755e-10, 2.2900e-04],  
 [2.5651e+00, 2.1714e-03, 1.5579e-01],  
 [2.6495e-01, 3.3839e-05, 2.5763e-02],  
 [8.3623e-02, 7.2582e-07, 1.1513e-02],  
 [2.6869e+01, 2.3587e-01, 1.3221e+00],  
 [9.5549e+00, 1.3186e-02, 4.6786e-01],  
 [6.5364e+01, 1.2908e+00, 2.3322e+00],  
 [5.9698e-02, 2.2111e-06, 8.1322e-03],  
 [1.8532e+00, 2.0658e-03, 1.4494e-01],  
 [5.6467e-02, 2.1958e-06, 7.5438e-03],  
 [1.7043e+01, 1.1009e-02, 1.5492e+00],  
 [1.8010e-01, 1.9803e-05, 2.3974e-02],  
 [7.2891e+01, 4.1205e-01, 1.8436e+00],  
 [1.0153e-01, 2.7686e-06, 1.2823e-02],  
 [4.8379e+00, 9.0230e-05, 2.7623e-01],  
 [1.7981e-01, 8.8279e-06, 2.2684e-02],  
 [1.9414e+01, 2.6756e-01, 1.5985e+00],  
 [3.2137e+01, 3.4371e-01, 9.8858e-01],  
 [5.3037e-02, 1.7182e-06, 7.6075e-03],  
 [2.3505e+00, 3.3294e-03, 2.7504e-01],  
 [3.8414e+00, 1.2768e-03, 2.4998e-01],  
 [5.7882e+01, 4.2304e-01, 2.7576e+00],  
 [2.0924e+02, 3.1956e+00, 3.3995e+00],  
 [1.5237e-03, 7.1695e-10, 2.4732e-04],  
 [7.2927e-01, 4.1448e-04, 8.1212e-02],  
 [8.0533e-01, 4.8546e-04, 8.2191e-02],  
 [5.3479e+01, 6.7859e-01, 1.7214e+00],  
 [2.1620e-03, 7.8868e-09, 3.4413e-04],  
 [1.5851e+01, 3.9252e-02, 1.1065e+00],  
 [3.1731e+01, 8.4323e-02, 2.2758e+00],  
 [1.5791e+00, 4.9589e-05, 1.1527e-01],  
 [2.6162e+02, 6.9124e-01, 4.1702e+00],  
 [1.4776e+02, 4.5593e+00, 3.3681e+00],  
 [8.4164e+00, 1.7639e-02, 5.0111e-01],  
 [3.1423e-01, 3.7970e-05, 3.2097e-02],  
 [9.0482e-01, 2.1773e-04, 6.8077e-02],  
 [5.6956e+00, 2.2308e-03, 2.6546e-01],  
 [2.5044e+01, 3.4772e-02, 1.5011e+00],

[1.5804e-01, 5.5791e-06, 1.8095e-02],  
 [6.1677e+00, 1.0547e-02, 6.3762e-01],  
 [8.6985e+00, 1.0082e-02, 5.1222e-01],  
 [2.3373e-01, 2.6275e-05, 2.9805e-02],  
 [1.7897e-01, 1.4257e-05, 1.8091e-02],  
 [5.4138e+01, 2.9043e-01, 1.2454e+00],  
 [6.7401e+00, 6.7684e-03, 4.5978e-01],  
 [7.8689e-03, 1.1020e-08, 1.1939e-03],  
 [3.6731e-01, 1.0108e-04, 3.9424e-02],  
 [4.3356e+01, 6.7170e-02, 9.5154e-01],  
 [2.5299e+00, 5.6959e-04, 2.1420e-01],  
 [2.1945e+01, 9.5984e-02, 7.5501e-01],  
 [2.8550e-01, 4.9708e-06, 3.5375e-02],  
 [6.1365e-02, 8.9102e-07, 8.8815e-03],  
 [3.4146e+01, 4.3139e-02, 2.0364e+00],  
 [7.3248e+00, 1.0313e-02, 3.9640e-01],  
 [6.1935e+01, 5.6342e-01, 1.9943e+00],  
 [8.7429e-01, 6.7747e-05, 5.6865e-02],  
 [2.1214e+00, 1.9655e-03, 2.7211e-01],  
 [3.1372e-01, 3.8572e-05, 2.7500e-02],  
 [3.5727e-03, 3.8059e-09, 5.6639e-04],  
 [1.4874e+00, 5.2815e-04, 1.1067e-01],  
 [6.2535e+01, 8.0662e-01, 2.9271e+00],  
 [1.3727e+02, 1.4985e+00, 4.0464e+00],  
 [2.8809e+01, 3.7679e-03, 9.3231e-01],  
 [4.4880e+00, 2.8829e-03, 5.6868e-01],  
 [1.1431e+00, 1.7347e-05, 7.9673e-02],  
 [1.2608e-01, 2.8246e-06, 1.6196e-02],  
 [3.2575e-01, 6.0043e-05, 3.6386e-02],  
 [2.0719e+02, 9.2110e+00, 4.4862e+00],  
 [5.9637e+00, 5.3617e-03, 3.4231e-01],  
 [8.6333e-03, 4.7490e-09, 1.2999e-03],  
 [3.8143e+00, 4.6872e-05, 1.8280e-01],  
 [4.3130e+01, 5.6744e-01, 1.3933e+00],  
 [3.6079e+00, 2.1940e-03, 1.7090e-01],  
 [4.2646e+00, 2.6850e-03, 3.6632e-01],  
 [1.1070e+00, 2.8661e-04, 1.3588e-01],  
 [3.1737e+01, 2.5511e-01, 1.0864e+00],  
 [3.6304e-02, 2.6489e-07, 5.5448e-03],  
 [2.0045e+01, 8.5745e-02, 1.3665e+00],  
 [1.6311e+00, 1.7307e-03, 1.5385e-01],  
 [1.1909e+00, 1.3583e-04, 8.8742e-02],  
 [2.5181e+01, 7.0919e-02, 7.8952e-01],  
 [1.1737e-01, 1.4899e-06, 1.3816e-02],  
 [5.7982e-01, 1.0554e-04, 6.9138e-02],  
 [1.2052e-01, 1.4223e-05, 1.5440e-02],  
 [1.5819e+01, 3.6191e-02, 5.6544e-01],  
 [2.3625e+00, 3.0648e-04, 2.0202e-01],

[2.8647e+00, 1.3789e-03, 2.6785e-01],  
 [6.3046e+00, 2.5633e-02, 6.1396e-01],  
 [8.0475e+01, 1.4839e-01, 1.9294e+00],  
 [4.6877e+01, 2.6931e-01, 1.0580e+00],  
 [5.1421e+01, 4.1345e-01, 1.7822e+00],  
 [8.0290e-01, 2.1571e-04, 9.2295e-02],  
 [4.0968e+01, 2.0479e-01, 9.0505e-01],  
 [7.5723e-01, 1.0635e-04, 6.3614e-02],  
 [2.0978e+01, 2.9059e-01, 1.5056e+00],  
 [1.3133e+00, 1.9391e-04, 1.0368e-01],  
 [1.6227e+02, 3.2976e+00, 3.3255e+00],  
 [1.3095e+01, 3.4922e-02, 4.7183e-01],  
 [1.6147e-01, 1.3121e-05, 2.3462e-02],  
 [5.4111e-04, 2.5240e-10, 8.8549e-05],  
 [2.1443e+00, 2.1827e-03, 1.9776e-01],  
 [7.5214e+00, 5.3408e-03, 3.8079e-01],  
 [1.8969e+02, 2.4399e+00, 3.3033e+00],  
 [2.7397e+01, 1.2206e-01, 1.1609e+00],  
 [2.3326e-01, 1.2465e-06, 2.3644e-02],  
 [1.5065e-01, 7.6786e-06, 1.7529e-02],  
 [6.1467e-02, 1.5337e-06, 8.1932e-03],  
 [8.2739e+01, 1.1732e+00, 3.5284e+00],  
 [4.7938e-01, 5.8962e-05, 3.8188e-02],  
 [1.3770e+01, 1.9623e-02, 1.2145e+00],  
 [2.9252e+02, 1.2786e+01, 4.8640e+00],  
 [5.5334e+00, 1.0085e-03, 2.9853e-01],  
 [5.7455e+01, 4.2451e-01, 1.7090e+00],  
 [5.0394e+01, 3.5595e-01, 1.4335e+00],  
 [1.7101e+01, 4.1199e-02, 4.8512e-01],  
 [5.9359e+01, 3.1964e-01, 2.4644e+00],  
 [1.1247e+02, 3.2896e+00, 3.8175e+00],  
 [1.0173e+01, 2.7657e-02, 5.7289e-01],  
 [9.1904e-01, 1.7792e-04, 8.5006e-02],  
 [8.1197e+01, 1.1331e+00, 3.6589e+00],  
 [1.1372e+02, 3.0097e-01, 2.3247e+00],  
 [1.3211e+01, 1.6821e-02, 4.0851e-01],  
 [1.2905e+00, 3.0536e-04, 7.9802e-02],  
 [5.4585e+01, 7.0178e-01, 2.7764e+00],  
 [3.3418e+00, 1.6801e-03, 1.5112e-01],  
 [5.4380e-02, 1.3957e-06, 7.2750e-03],  
 [3.2622e+01, 3.8923e-01, 1.5109e+00],  
 [1.3356e-01, 3.5252e-06, 1.7905e-02],  
 [7.5615e+00, 5.7895e-03, 7.9165e-01],  
 [2.0408e+01, 2.9543e-02, 5.6138e-01],  
 [1.9456e+02, 6.8236e+00, 4.4789e+00],  
 [2.2456e-01, 8.8432e-06, 2.6476e-02],  
 [1.6446e+01, 1.1893e-02, 9.5812e-01],  
 [2.8056e+01, 1.0470e-01, 1.7327e+00],

```

[1.1575e+01, 2.1293e-02, 3.9890e-01],
[1.9160e+00, 9.4755e-04, 1.5346e-01],
[2.2035e+02, 5.6118e+00, 4.4989e+00],
[1.0241e+02, 2.8672e+00, 2.6620e+00]], dtype=torch.float64)
Iteration: 63
Inputs: tensor([[2.8769e+20, 2.0712e+02, 1.5348e+01, 5.1999e+00],
[1.3039e+20, 3.9427e+01, 7.2367e+00, 1.8055e+00],
[3.9206e+18, 4.3609e+02, 1.1070e+01, 8.2560e+00],
...,
[2.5263e+18, 1.3872e+02, 2.4701e+00, 8.4917e+00],
[4.4071e+18, 3.0293e+02, 1.1639e+01, 4.8657e+00],
[3.4056e+18, 6.0898e+01, 2.3189e+00, 3.4105e+00]], dtype=torch.float64)
Target: tensor([[4.3311e+01, 3.4347e-01, 2.1062e+00],
[1.3698e+00, 2.2705e-04, 1.7997e-01],
[1.6054e+00, 6.6623e-04, 1.0708e-01],
[2.0625e+01, 2.1081e-02, 7.5481e-01],
[5.1184e+00, 6.0083e-03, 2.7066e-01],
[1.2078e+02, 3.1817e+00, 4.4267e+00],
[6.6151e-03, 1.2164e-08, 1.0155e-03],
[2.3188e+00, 3.9416e-04, 1.5868e-01],
[1.0153e+01, 1.0502e-01, 1.0328e+00],
[4.4597e-03, 7.9587e-09, 6.9906e-04],
[2.6524e+00, 4.6055e-04, 2.4790e-01],
[2.0553e+01, 3.6327e-02, 6.5307e-01],
[1.0646e+01, 1.3378e-02, 6.2076e-01],
[6.4243e+00, 4.4200e-03, 3.8232e-01],
[4.7032e+00, 9.2554e-03, 3.8270e-01],
[1.8143e+00, 3.3995e-04, 2.1452e-01],
[1.2412e+01, 4.2588e-02, 6.1999e-01],
[7.9989e+00, 1.3773e-02, 6.1899e-01],
[4.4139e+01, 5.4981e-01, 1.3315e+00],
[1.5900e+02, 4.1871e+00, 3.7603e+00],
[5.5813e-02, 1.7815e-06, 7.5776e-03],
[7.1515e+00, 2.1577e-02, 7.2833e-01],
[4.2743e-01, 8.5104e-05, 4.2738e-02],
[2.9989e-02, 2.0925e-07, 4.3442e-03],
[2.9955e+01, 2.7564e-02, 9.6955e-01],
[4.7069e+00, 6.7895e-03, 5.5159e-01],
[7.7838e+01, 4.4433e-01, 2.9363e+00],
[3.0622e+01, 1.6880e-01, 9.2795e-01],
[3.4280e+01, 3.5860e-01, 1.4326e+00],
[6.8975e+00, 1.5228e-02, 4.5247e-01],
[3.9589e+01, 1.5969e-01, 1.2594e+00],
[3.0616e-02, 7.9661e-08, 4.2077e-03],
[6.1533e+00, 1.8522e-03, 3.7301e-01],
[3.4367e+00, 1.4941e-02, 3.5561e-01],
[1.1775e+02, 9.5277e-01, 2.2921e+00],
[1.6438e+01, 5.4338e-02, 7.0322e-01],

```

[4.9281e-02, 3.4962e-07, 7.6586e-03],  
 [5.3326e+00, 3.6852e-03, 3.9553e-01],  
 [1.4377e+02, 2.2631e+00, 4.2867e+00],  
 [2.5623e-02, 1.0320e-07, 3.9524e-03],  
 [1.2233e+01, 1.0628e-02, 1.0777e+00],  
 [8.6671e+01, 1.1565e+00, 2.2850e+00],  
 [5.6105e-02, 1.7863e-06, 7.2448e-03],  
 [9.1993e+00, 1.1947e-02, 6.6818e-01],  
 [2.0421e-01, 1.0455e-05, 2.2593e-02],  
 [5.0609e+00, 1.5475e-03, 4.6327e-01],  
 [1.3537e+01, 4.9107e-03, 7.5878e-01],  
 [1.1822e+01, 1.2644e-02, 5.3954e-01],  
 [4.0122e+01, 4.4194e-01, 1.1623e+00],  
 [5.3017e+01, 4.0536e-01, 1.7505e+00],  
 [4.5038e-01, 9.7676e-05, 5.3578e-02],  
 [5.9661e+00, 2.9031e-03, 6.9255e-01],  
 [1.9098e+02, 5.3086e+00, 4.2916e+00],  
 [1.6923e+00, 5.3267e-04, 1.2530e-01],  
 [6.8054e-04, 1.3061e-10, 1.1175e-04],  
 [1.8277e+02, 5.5283e+00, 4.6670e+00],  
 [3.7578e+00, 3.3287e-03, 2.5640e-01],  
 [1.9929e-01, 6.0630e-06, 2.6302e-02],  
 [1.3665e+00, 3.5475e-04, 1.6718e-01],  
 [1.8095e+00, 1.2321e-03, 1.9889e-01],  
 [1.0039e+02, 7.3099e-01, 2.9528e+00],  
 [5.6828e+00, 9.3342e-03, 2.7918e-01],  
 [1.6945e+00, 8.4237e-04, 1.6578e-01],  
 [2.1115e-02, 3.8709e-07, 3.2931e-03],  
 [1.9407e+01, 1.0108e-01, 1.1236e+00],  
 [7.9631e+01, 6.9249e-01, 1.4057e+00],  
 [4.5315e+01, 2.6858e-01, 1.6812e+00],  
 [9.7076e+00, 2.9298e-03, 4.2625e-01],  
 [8.7911e+01, 1.6946e+00, 3.0413e+00],  
 [4.9396e+00, 2.1900e-03, 3.9828e-01],  
 [6.0054e+01, 2.4917e-01, 1.1389e+00],  
 [2.1568e-01, 3.0891e-06, 2.9438e-02],  
 [9.3205e-01, 3.2084e-04, 9.3623e-02],  
 [2.3277e+01, 1.0501e-02, 1.0360e+00],  
 [3.4839e+00, 2.4882e-03, 2.2719e-01],  
 [4.5099e-01, 9.3771e-06, 5.4711e-02],  
 [1.1585e+00, 4.7861e-04, 1.2197e-01],  
 [1.6618e+01, 5.1465e-02, 9.6720e-01],  
 [1.8913e-01, 1.4335e-05, 1.8841e-02],  
 [4.7226e+01, 3.5687e-01, 2.3464e+00],  
 [2.0786e+00, 5.8338e-04, 1.3663e-01],  
 [5.3079e-02, 3.0162e-07, 7.5148e-03],  
 [1.3109e-01, 8.7944e-06, 1.5347e-02],  
 [7.1727e-02, 1.2041e-06, 8.9611e-03],



[2.2231e-01, 3.0801e-05, 2.1721e-02],  
 [1.6106e+01, 2.5214e-03, 6.0050e-01],  
 [2.8338e+00, 1.3344e-03, 2.1729e-01],  
 [2.0814e+01, 2.4671e-01, 1.3452e+00],  
 [2.5838e-01, 5.7342e-05, 2.7484e-02],  
 [6.3831e+00, 1.6503e-02, 4.3021e-01],  
 [1.1890e-01, 1.5266e-06, 1.4748e-02],  
 [2.1628e+00, 1.3452e-03, 1.4448e-01],  
 [6.0064e+01, 1.3305e+00, 2.9764e+00],  
 [3.2340e-01, 2.6793e-05, 3.9854e-02],  
 [3.0308e-01, 7.2257e-05, 3.8959e-02],  
 [1.2831e+02, 3.2190e+00, 4.4592e+00],  
 [3.6476e+01, 8.7491e-02, 2.3904e+00],  
 [5.1277e+01, 1.3807e-01, 1.9416e+00],  
 [3.0706e+00, 3.5646e-03, 2.3690e-01],  
 [6.0971e+01, 4.0925e-01, 1.2340e+00],  
 [2.8185e+01, 1.4192e-01, 1.2133e+00],  
 [1.6416e-01, 2.7045e-05, 2.0598e-02],  
 [6.1604e+01, 4.1798e-01, 3.3914e+00],  
 [8.0274e+01, 1.5885e+00, 1.8970e+00],  
 [1.6199e-01, 7.4226e-06, 2.0382e-02],  
 [4.7120e+01, 7.1539e-01, 2.1372e+00],  
 [1.0849e+01, 2.3081e-02, 6.2156e-01],  
 [4.1431e-01, 3.4621e-05, 6.2477e-02],  
 [7.6990e+01, 2.0968e+00, 2.9910e+00],  
 [1.8789e+02, 2.4063e-01, 3.6717e+00],  
 [8.2338e+00, 4.9936e-03, 7.0261e-01],  
 [6.1247e-01, 3.8809e-05, 5.8495e-02],  
 [3.8761e+00, 4.7235e-04, 2.0150e-01],  
 [1.5650e+00, 2.3239e-05, 1.3231e-01],  
 [2.8032e-02, 3.3750e-07, 4.0491e-03],  
 [1.5240e+01, 1.9467e-02, 1.3722e+00],  
 [1.6130e-02, 3.1119e-08, 2.3713e-03],  
 [6.6811e+00, 5.8407e-03, 3.1082e-01],  
 [3.3882e+01, 1.7797e-01, 2.5381e+00],  
 [1.3328e+02, 3.9908e-01, 2.5830e+00],  
 [4.3182e-01, 9.3875e-05, 5.1970e-02],  
 [3.4525e+01, 6.9489e-02, 1.1854e+00],  
 [3.0546e+01, 1.4451e-01, 1.3293e+00],  
 [4.3185e+01, 4.9660e-01, 1.2880e+00],  
 [3.5993e+01, 1.0203e-01, 8.9905e-01],  
 [5.6912e-02, 3.0051e-06, 7.5258e-03],  
 [1.0773e-01, 3.7553e-06, 1.4010e-02],  
 [8.1066e+00, 1.0626e-02, 5.1083e-01],  
 [8.3643e+00, 1.8620e-02, 3.8402e-01],  
 [3.3615e+01, 9.4530e-02, 1.2579e+00],  
 [7.0788e-01, 6.7698e-05, 5.8747e-02],  
 [6.4357e-01, 7.5348e-05, 7.2838e-02],

[9.4935e+00, 4.4116e-03, 3.5860e-01],  
 [2.0703e+00, 2.3634e-04, 2.2927e-01],  
 [8.9187e-01, 9.0026e-04, 1.2387e-01],  
 [6.7569e-01, 8.5026e-05, 7.3096e-02],  
 [4.0547e-01, 3.1449e-05, 4.1804e-02],  
 [1.5587e+00, 2.3483e-04, 1.4129e-01],  
 [6.5868e+01, 1.6855e+00, 3.4310e+00],  
 [4.7379e-02, 1.1242e-06, 7.3124e-03],  
 [5.7036e+00, 1.2563e-03, 2.1709e-01],  
 [7.9193e-02, 2.5060e-06, 9.4667e-03],  
 [2.5967e+00, 9.5424e-05, 1.5922e-01],  
 [1.2821e+02, 1.8917e+00, 4.3152e+00],  
 [6.7219e-03, 1.3363e-08, 1.0292e-03],  
 [7.9067e-01, 5.2452e-04, 1.1340e-01],  
 [2.6978e+02, 1.0495e+01, 4.4520e+00],  
 [3.4916e+01, 3.3004e-01, 1.5583e+00],  
 [1.6299e+01, 3.8739e-02, 1.0584e+00],  
 [4.9040e+01, 4.0312e-01, 1.0865e+00],  
 [5.1826e+01, 2.7120e-01, 1.9748e+00],  
 [8.3822e-01, 2.2836e-04, 1.0517e-01],  
 [2.7610e-02, 3.1532e-08, 3.9606e-03],  
 [3.9040e-02, 1.3150e-07, 5.5082e-03],  
 [3.6409e-01, 9.9115e-05, 4.3145e-02],  
 [1.9042e+00, 4.0108e-04, 1.3413e-01],  
 [2.7203e+01, 1.9079e-02, 7.7512e-01],  
 [3.9358e+01, 7.1255e-02, 9.8072e-01],  
 [9.8064e+00, 1.6099e-03, 7.5207e-01],  
 [5.6767e+00, 3.6486e-03, 3.0277e-01],  
 [9.7605e-02, 6.4196e-07, 1.3021e-02],  
 [4.1286e-01, 1.0644e-04, 4.3756e-02],  
 [1.8458e-01, 4.2598e-05, 2.7033e-02],  
 [2.5537e+01, 1.7400e-01, 1.6680e+00],  
 [5.3955e+01, 3.4396e-01, 2.2917e+00],  
 [1.3085e+00, 5.3991e-05, 1.1403e-01],  
 [1.6267e+00, 1.6285e-03, 1.6345e-01],  
 [4.7647e+00, 9.0105e-04, 2.6855e-01],  
 [7.5073e+01, 1.3670e+00, 2.0200e+00],  
 [1.4511e-01, 1.2722e-05, 1.8917e-02],  
 [2.0814e-01, 8.4470e-06, 2.7837e-02],  
 [6.2408e+00, 3.1612e-03, 4.2640e-01],  
 [2.3124e+00, 7.1843e-04, 1.9696e-01],  
 [2.1914e+01, 1.3289e-01, 7.5059e-01],  
 [7.8524e-01, 1.4077e-04, 7.6490e-02],  
 [5.2492e+00, 3.0451e-03, 2.5529e-01],  
 [2.1483e+02, 8.0075e+00, 4.8355e+00],  
 [4.3466e+00, 6.9023e-03, 4.5159e-01],  
 [3.8964e+01, 4.4426e-02, 1.1798e+00],  
 [1.1492e+02, 1.4679e-01, 4.2736e+00],

[1.7493e+00, 5.3371e-04, 1.1383e-01],  
 [1.3027e+01, 2.3967e-02, 8.3222e-01],  
 [2.1373e+00, 1.6197e-03, 1.5141e-01],  
 [1.1921e+02, 1.1757e+00, 2.6544e+00],  
 [8.5636e+00, 1.4005e-02, 7.3590e-01],  
 [4.6455e+00, 2.3081e-03, 2.6629e-01],  
 [1.8347e-01, 6.9852e-06, 2.1323e-02],  
 [5.4323e-01, 8.8036e-05, 4.2827e-02],  
 [1.1709e+00, 3.6291e-04, 9.9033e-02],  
 [9.6938e-01, 2.0056e-04, 1.1910e-01],  
 [7.9615e-02, 1.6419e-06, 1.1232e-02],  
 [8.7975e+00, 6.3951e-03, 4.3163e-01],  
 [8.3107e-01, 2.4895e-04, 6.3469e-02],  
 [1.7491e+02, 5.7693e+00, 4.7770e+00],  
 [4.8995e+01, 3.4169e-01, 1.6710e+00],  
 [1.0213e+02, 1.2731e+00, 3.9601e+00],  
 [6.8744e+01, 1.8543e-01, 1.6097e+00],  
 [1.9671e+01, 5.7064e-02, 1.1448e+00],  
 [2.8440e+00, 1.7446e-04, 2.2131e-01],  
 [4.0948e+01, 1.1299e-01, 2.1219e+00],  
 [1.5310e+00, 1.3226e-03, 1.7423e-01],  
 [3.1163e-01, 5.8282e-05, 2.9962e-02],  
 [3.1138e+01, 1.4805e-01, 1.5661e+00],  
 [1.2940e-02, 9.2589e-09, 2.0090e-03],  
 [8.1741e+01, 1.7946e+00, 2.5725e+00],  
 [1.0985e+00, 4.4458e-04, 8.4366e-02],  
 [4.0771e-01, 3.5258e-05, 4.1142e-02],  
 [2.6403e+01, 1.7251e-01, 1.5432e+00],  
 [3.0360e-01, 6.4599e-05, 4.1590e-02],  
 [2.4578e+00, 1.1571e-03, 1.6076e-01],  
 [4.2827e+01, 1.9822e-02, 2.0424e+00],  
 [1.1115e+00, 2.0375e-04, 8.3355e-02],  
 [9.1764e-01, 1.0378e-04, 5.2290e-02],  
 [4.7722e-01, 1.4254e-04, 6.4420e-02],  
 [5.8930e+01, 4.2522e-01, 1.6348e+00],  
 [2.1297e+01, 1.5710e-01, 8.4941e-01],  
 [4.9276e+00, 2.3769e-02, 4.4530e-01],  
 [2.5529e+00, 2.3859e-03, 2.3045e-01],  
 [1.3501e+01, 1.2030e-02, 4.6646e-01],  
 [4.7871e+01, 8.9629e-03, 1.6972e+00],  
 [4.8439e+00, 1.4514e-03, 2.6485e-01],  
 [1.6830e+00, 3.0560e-05, 1.0349e-01],  
 [7.2532e+01, 3.6405e-01, 1.9877e+00],  
 [1.1789e+02, 1.3917e+00, 2.6506e+00],  
 [7.3328e-02, 1.8220e-06, 1.1048e-02],  
 [2.5684e+01, 1.2367e-01, 8.5451e-01],  
 [6.7526e-01, 9.3989e-06, 4.9975e-02],  
 [4.3362e+01, 2.0168e-01, 2.0846e+00],

[1.3595e+01, 6.1709e-03, 1.1921e+00],  
 [2.5845e+00, 2.2064e-03, 1.7155e-01],  
 [2.6333e+00, 8.3826e-04, 2.8786e-01],  
 [2.0491e+00, 1.0715e-03, 1.6671e-01],  
 [2.3935e+01, 6.9958e-02, 1.4801e+00],  
 [8.6583e+00, 1.3531e-02, 5.1083e-01],  
 [8.4612e+01, 2.7170e-01, 3.5403e+00],  
 [8.8906e+00, 3.0004e-02, 4.3296e-01],  
 [5.9235e+01, 7.3931e-01, 1.3342e+00],  
 [5.3697e+01, 5.9961e-01, 2.6219e+00],  
 [9.0389e+00, 6.8604e-03, 5.0357e-01],  
 [3.1053e+01, 2.2227e-01, 1.8397e+00],  
 [2.0688e+00, 7.5887e-05, 2.0559e-01],  
 [1.0758e-01, 1.0063e-06, 1.5501e-02],  
 [1.0633e+02, 2.2811e+00, 4.0310e+00],  
 [2.4728e+00, 8.7221e-04, 1.6363e-01],  
 [7.2655e-03, 4.0786e-09, 1.1372e-03],  
 [4.8179e-01, 2.6463e-05, 5.8183e-02],  
 [1.2964e+02, 2.0294e+00, 3.8565e+00],  
 [8.8363e+00, 1.4751e-02, 4.3119e-01],  
 [2.4468e+01, 6.7199e-02, 8.3299e-01],  
 [4.6571e-01, 4.6490e-06, 4.6884e-02],  
 [1.5621e+01, 5.4745e-02, 8.2215e-01],  
 [2.2652e+01, 1.9213e-01, 1.3668e+00],  
 [5.8194e+00, 6.3296e-03, 4.0690e-01],  
 [8.4708e+00, 5.6611e-02, 7.5553e-01],  
 [2.3274e+00, 1.5761e-03, 1.4948e-01],  
 [1.8750e+00, 2.5118e-03, 1.8666e-01],  
 [7.1551e+01, 7.5572e-01, 2.5683e+00],  
 [3.8498e-01, 3.4008e-05, 4.9950e-02],  
 [7.1000e-01, 1.7244e-04, 7.6349e-02],  
 [2.2541e+00, 6.1623e-04, 1.5027e-01],  
 [6.5526e-01, 1.4737e-04, 7.3085e-02],  
 [6.4768e-01, 2.8462e-04, 6.7153e-02],  
 [6.8949e-02, 3.7499e-06, 8.7161e-03],  
 [1.4396e+01, 1.1935e-02, 1.0450e+00],  
 [3.1399e-01, 2.1890e-04, 4.4383e-02],  
 [1.1227e+02, 4.5223e-01, 4.3015e+00],  
 [1.9161e+01, 8.9113e-02, 6.4374e-01],  
 [3.4590e-01, 1.4917e-05, 2.8139e-02],  
 [1.8165e-01, 1.2070e-05, 2.0683e-02],  
 [1.0295e+02, 1.5881e+00, 3.7907e+00],  
 [1.1950e+00, 6.3872e-05, 9.7631e-02],  
 [1.8871e+02, 4.0057e+00, 4.3951e+00],  
 [1.6402e+02, 3.3118e+00, 4.7061e+00],  
 [6.1892e+00, 1.1767e-02, 7.4668e-01],  
 [1.2183e+01, 1.0517e-02, 6.9923e-01],  
 [1.6713e+01, 2.0835e-02, 5.8510e-01],

```

[5.0498e-01, 5.4131e-05, 5.7277e-02],
[1.3423e+02, 8.7778e-01, 3.0356e+00],
[1.3195e+01, 7.2128e-02, 7.8571e-01],
[1.3564e+00, 5.8751e-04, 1.2582e-01],
[7.5252e-02, 5.9602e-06, 9.7383e-03],
[5.5292e+01, 6.3636e-01, 1.5959e+00],
[6.7050e-01, 1.2485e-04, 7.1940e-02],
[1.4168e+01, 2.7432e-03, 5.5765e-01],
[2.7221e+00, 3.1081e-03, 3.2785e-01],
[6.6406e+01, 1.1460e-01, 1.6871e+00],
[1.7968e-01, 2.6664e-05, 2.6683e-02],
[1.5248e+01, 1.6065e-02, 6.0037e-01],
[2.2652e+00, 4.6457e-04, 1.7303e-01],
[1.0261e+02, 1.9358e+00, 2.3818e+00],
[1.0834e+00, 6.6101e-04, 9.4554e-02],
[4.8905e+01, 6.0295e-01, 1.7319e+00],
[6.6470e+00, 1.8022e-02, 4.2417e-01],
[1.4598e+02, 7.9350e-01, 4.6430e+00],
[4.0992e+01, 2.7813e-01, 1.2112e+00],
[2.8697e-01, 3.8847e-05, 2.6616e-02],
[4.3352e+01, 4.7619e-01, 1.4644e+00],
[5.3026e+00, 6.1354e-03, 2.5637e-01],
[7.7809e+01, 8.0595e-01, 2.6865e+00],
[1.0812e+02, 9.8418e-01, 3.9610e+00],
[1.9429e+01, 2.2679e-02, 1.2458e+00],
[2.0502e+01, 4.3107e-02, 7.3051e-01],
[8.4189e+01, 1.2405e+00, 2.7216e+00],
[5.6799e+00, 3.3100e-02, 4.8953e-01],
[5.2991e+00, 3.6290e-03, 2.9460e-01],
[3.0467e-01, 6.9813e-05, 3.8035e-02],
[5.1386e-02, 7.4090e-07, 6.6601e-03],
[8.4183e+00, 9.4418e-03, 3.2298e-01],
[3.7270e+00, 4.5166e-04, 2.7189e-01],
[4.6022e+01, 3.7680e-01, 1.9500e+00],
[2.7693e+00, 3.0432e-03, 3.5366e-01],
[1.5165e+02, 3.8027e+00, 2.9964e+00],
[2.1230e-03, 5.9649e-09, 3.3928e-04],
[1.5350e+00, 5.1528e-04, 1.6545e-01],
[8.2597e-02, 5.3056e-06, 9.8873e-03],
[3.1965e+00, 1.7887e-03, 2.1206e-01],
[1.4319e-01, 1.0582e-05, 1.8149e-02],
[3.7681e-01, 3.8568e-05, 3.8018e-02],
[7.0058e-01, 1.0591e-04, 6.7323e-02],
[9.0575e-02, 8.4783e-07, 1.2318e-02]], dtype=torch.float64)

```

Iteration: 64

```

Inputs: tensor([[1.3521e+18, 4.3446e+02, 3.5499e+00, 6.7669e+00],
               [4.8096e+18, 2.4103e+02, 1.0736e+01, 9.0609e+00],
               [1.0542e+18, 2.9886e+02, 1.5903e+01, 2.3917e+00],

```

```

...,
[5.4816e+20, 2.1319e+02, 6.9244e+00, 4.4213e+00],
[1.0719e+19, 2.7081e+02, 3.2181e+00, 9.1238e+00],
[1.3004e+20, 3.6066e+02, 8.2447e+00, 7.8335e+00]], dtype=torch.float64)
Target: tensor([[6.0149e-01, 4.2508e-05, 4.1747e-02],
[1.0753e+00, 4.7138e-04, 9.1531e-02],
[1.4988e-02, 5.8942e-08, 2.1837e-03],
[1.3310e+01, 2.0722e-02, 9.8410e-01],
[2.5635e+01, 3.3734e-01, 2.0262e+00],
[2.2970e+01, 5.5160e-02, 1.8221e+00],
[2.9451e-01, 1.4904e-06, 2.8288e-02],
[6.2010e+01, 2.4865e-02, 1.8855e+00],
[6.0086e-01, 2.8238e-06, 4.5918e-02],
[1.5172e-02, 1.2792e-07, 2.2921e-03],
[1.0888e+02, 3.1006e+00, 2.7524e+00],
[1.2029e+00, 1.1559e-04, 6.5578e-02],
[5.6695e+01, 4.1367e-01, 1.5487e+00],
[1.3407e+01, 2.4983e-02, 1.3361e+00],
[4.4205e+01, 2.2891e-01, 1.2381e+00],
[2.2828e+00, 2.8163e-03, 3.1348e-01],
[3.5308e+01, 5.8047e-02, 7.7795e-01],
[4.4938e-01, 3.1171e-05, 3.4039e-02],
[1.9035e+01, 1.3091e-02, 8.6154e-01],
[8.5212e+00, 1.4626e-02, 3.5485e-01],
[1.8638e+02, 4.7111e+00, 4.5828e+00],
[4.8933e-01, 1.0623e-04, 5.1979e-02],
[1.5160e+00, 2.3656e-04, 1.1405e-01],
[1.0430e+01, 5.6600e-02, 6.2471e-01],
[4.0963e-03, 1.7391e-08, 6.4443e-04],
[1.7901e-02, 2.1406e-07, 2.6142e-03],
[1.2530e+00, 4.7927e-04, 1.3099e-01],
[4.0757e+00, 2.2732e-03, 3.5226e-01],
[2.2991e+01, 1.3559e-01, 1.6060e+00],
[1.4607e+02, 1.4290e+00, 3.6827e+00],
[3.6165e+01, 1.3564e-01, 7.6432e-01],
[8.7984e-02, 1.1619e-06, 1.0739e-02],
[1.8037e+01, 5.4034e-02, 6.7191e-01],
[2.0575e+01, 2.3658e-02, 7.5869e-01],
[5.8440e+01, 1.8836e-01, 2.3765e+00],
[3.0015e+01, 1.8839e-01, 1.6599e+00],
[4.8696e+00, 5.9360e-03, 3.2206e-01],
[3.4783e-02, 1.1700e-06, 4.8408e-03],
[5.7147e-01, 1.4527e-04, 4.9906e-02],
[1.7292e+01, 1.0600e-01, 1.1474e+00],
[6.0490e+00, 1.8225e-02, 5.5916e-01],
[5.7628e+01, 4.6080e-01, 1.9781e+00],
[9.4996e+00, 2.3399e-02, 4.3192e-01],
[1.2032e+01, 1.7528e-02, 1.2160e+00],

```

[6.0931e+01, 9.9531e-02, 2.0109e+00],  
[5.0871e-01, 6.4461e-05, 4.9410e-02],  
[1.2533e+01, 3.2467e-02, 6.5033e-01],  
[5.4582e+01, 1.3754e-01, 2.6731e+00],  
[1.7212e+02, 1.6912e+00, 4.7104e+00],  
[3.0842e-02, 3.7688e-07, 4.7642e-03],  
[2.2795e-01, 4.9058e-06, 2.3126e-02],  
[2.0295e+01, 4.9263e-02, 7.3265e-01],  
[4.5005e+00, 3.4188e-03, 3.6227e-01],  
[2.4556e-01, 3.4666e-05, 3.1345e-02],  
[2.2234e+01, 6.3804e-02, 7.0019e-01],  
[9.0033e+01, 3.3905e-01, 3.8992e+00],  
[4.7388e-01, 9.8591e-05, 4.4639e-02],  
[6.5362e+00, 7.3263e-03, 3.3790e-01],  
[1.3361e+01, 3.8546e-02, 9.3265e-01],  
[2.5114e+00, 2.1765e-03, 2.4673e-01],  
[5.0751e-01, 1.1505e-04, 5.3222e-02],  
[4.9760e+00, 5.4435e-04, 2.0023e-01],  
[1.5045e+02, 1.9004e+00, 2.6422e+00],  
[3.4150e+01, 1.1465e-01, 1.3438e+00],  
[1.4924e-01, 5.9528e-06, 1.6124e-02],  
[3.6610e+00, 5.1339e-04, 3.0160e-01],  
[1.1699e+00, 2.3162e-04, 1.2086e-01],  
[3.4414e-01, 9.3106e-05, 3.5812e-02],  
[1.4637e+00, 4.2321e-04, 9.8900e-02],  
[1.6218e+02, 6.8828e-01, 3.0604e+00],  
[2.6198e-01, 9.5875e-06, 3.1232e-02],  
[1.4679e+02, 4.8526e+00, 3.5103e+00],  
[3.3496e+01, 2.7360e-02, 1.0273e+00],  
[4.1280e+00, 2.5932e-03, 3.7621e-01],  
[7.3334e-02, 1.2902e-06, 9.0609e-03],  
[1.1262e+01, 3.5236e-04, 4.5266e-01],  
[2.2985e-01, 6.7912e-06, 2.6667e-02],  
[9.8903e-02, 7.9354e-06, 1.1654e-02],  
[9.6332e+00, 1.2924e-02, 5.0532e-01],  
[5.2710e+01, 4.2615e-01, 2.3784e+00],  
[7.8780e+01, 6.9730e-01, 3.6972e+00],  
[1.6070e+02, 3.6261e+00, 3.5265e+00],  
[6.5811e+01, 6.1218e-01, 2.0992e+00],  
[3.5600e+00, 4.4049e-03, 2.7534e-01],  
[2.9414e-01, 4.9300e-05, 3.1093e-02],  
[2.3724e-01, 1.8075e-05, 2.5958e-02],  
[4.4955e+01, 2.5431e-01, 1.9019e+00],  
[3.1351e+01, 1.2846e-01, 1.0223e+00],  
[1.0116e-01, 2.3000e-06, 1.1849e-02],  
[9.5949e+00, 3.6884e-03, 5.7287e-01],  
[6.0237e+01, 4.7805e-02, 1.4834e+00],  
[1.1864e-01, 5.7674e-06, 1.5774e-02],

[2.6279e+00, 2.3504e-03, 2.3009e-01],  
 [3.6906e+01, 4.9150e-03, 9.1406e-01],  
 [7.7983e+01, 1.3417e+00, 3.0019e+00],  
 [2.7468e-02, 3.0710e-07, 4.1988e-03],  
 [5.9931e-01, 3.2508e-05, 3.7940e-02],  
 [1.5605e-02, 1.4144e-07, 2.4316e-03],  
 [6.6263e-02, 7.3604e-07, 9.7644e-03],  
 [7.2662e+01, 7.0142e-01, 3.5880e+00],  
 [1.3215e+00, 9.1854e-05, 7.2659e-02],  
 [3.3254e+01, 3.7682e-02, 9.5394e-01],  
 [1.1400e+02, 4.1796e+00, 2.8507e+00],  
 [8.7334e-01, 4.2782e-04, 1.2354e-01],  
 [1.3634e+00, 2.0917e-04, 1.5429e-01],  
 [2.5012e-02, 5.5808e-07, 3.6687e-03],  
 [3.7063e+02, 6.9329e+00, 5.1770e+00],  
 [3.8637e+00, 3.3511e-03, 2.8579e-01],  
 [2.3896e-01, 1.9422e-05, 2.8905e-02],  
 [2.9276e+00, 1.6997e-03, 2.0568e-01],  
 [3.8549e-01, 7.0874e-05, 4.6353e-02],  
 [3.4498e-01, 2.4537e-05, 4.0369e-02],  
 [2.2889e-01, 3.3267e-05, 2.8652e-02],  
 [3.1056e+01, 5.0432e-02, 9.6872e-01],  
 [1.0304e+01, 1.7173e-02, 4.1934e-01],  
 [1.3073e+01, 4.7058e-02, 5.3468e-01],  
 [4.0629e-02, 1.0653e-06, 5.4506e-03],  
 [4.8417e+01, 2.5240e-01, 1.2600e+00],  
 [5.7350e-02, 7.5108e-07, 7.9295e-03],  
 [1.1919e+00, 4.3969e-04, 1.5661e-01],  
 [1.8935e+01, 1.1131e-01, 8.4346e-01],  
 [7.2435e-01, 1.5283e-04, 5.5393e-02],  
 [3.5342e+01, 2.0760e-01, 2.2373e+00],  
 [4.9135e+00, 3.0297e-03, 2.5965e-01],  
 [1.8611e+01, 5.2425e-02, 1.1181e+00],  
 [7.9297e+01, 1.1321e+00, 2.2849e+00],  
 [1.2375e+01, 3.1397e-02, 9.8149e-01],  
 [2.0244e+00, 5.2437e-04, 1.3213e-01],  
 [7.9758e+00, 1.7345e-03, 3.8192e-01],  
 [2.0275e+02, 6.9309e+00, 4.5969e+00],  
 [1.3238e+01, 3.6624e-02, 9.4716e-01],  
 [8.8124e+01, 8.8496e-01, 2.8827e+00],  
 [3.9826e+01, 4.5299e-02, 1.5185e+00],  
 [3.2918e+01, 1.6109e-01, 1.0841e+00],  
 [1.1973e+01, 1.3260e-02, 6.1697e-01],  
 [8.8799e+01, 9.6113e-01, 2.3969e+00],  
 [7.4610e+00, 8.0498e-03, 4.0397e-01],  
 [5.2979e+00, 3.2102e-03, 2.2699e-01],  
 [7.1144e+00, 1.1595e-03, 4.9355e-01],  
 [2.5669e+00, 2.2126e-03, 2.8896e-01],



[1.6151e+01, 2.0572e-02, 1.3174e+00],  
 [2.6554e+01, 3.6900e-02, 7.8057e-01],  
 [4.1206e-02, 9.9224e-08, 5.9496e-03],  
 [2.7447e-01, 7.9268e-06, 3.6839e-02],  
 [9.1905e+01, 1.8799e+00, 2.3484e+00],  
 [8.1889e-02, 3.6624e-06, 1.1256e-02],  
 [1.6049e+01, 2.8565e-02, 8.9518e-01],  
 [1.3070e+00, 2.8997e-04, 7.2622e-02],  
 [5.1133e+01, 4.2825e-01, 1.1969e+00],  
 [1.3307e+00, 1.0753e-03, 1.3779e-01],  
 [1.0554e+01, 1.0511e-02, 4.8769e-01],  
 [3.1209e+00, 6.4541e-03, 4.0246e-01],  
 [2.8379e+01, 1.1005e-01, 1.3138e+00],  
 [1.7333e+01, 9.2386e-02, 6.4950e-01],  
 [8.3490e+00, 1.2034e-02, 3.6960e-01],  
 [4.6087e+01, 1.1334e-01, 1.3356e+00],  
 [5.6985e-01, 3.3787e-05, 7.4998e-02],  
 [3.5275e+01, 8.9693e-02, 7.9575e-01],  
 [8.9942e-01, 4.8774e-04, 1.1008e-01],  
 [1.3537e+00, 5.9674e-04, 1.2348e-01],  
 [3.4584e+00, 2.1497e-04, 2.1834e-01],  
 [1.0388e+01, 1.4820e-02, 7.0033e-01],  
 [2.3645e+01, 4.9866e-02, 8.6906e-01],  
 [6.7332e+01, 2.7020e-02, 1.6149e+00],  
 [1.2888e+01, 3.6184e-03, 8.5076e-01],  
 [1.3272e+01, 2.9572e-02, 6.0166e-01],  
 [7.9737e+00, 1.4717e-03, 4.0017e-01],  
 [2.1796e-02, 2.7756e-07, 3.1901e-03],  
 [2.3025e-01, 1.8680e-05, 2.6141e-02],  
 [3.6448e+00, 5.9291e-03, 3.3658e-01],  
 [3.4628e+01, 1.0664e-01, 1.3184e+00],  
 [3.2522e+00, 1.2210e-04, 2.0066e-01],  
 [1.8083e-01, 6.2362e-06, 2.1244e-02],  
 [1.2439e+02, 2.2363e+00, 2.6663e+00],  
 [4.0482e+00, 2.2476e-03, 3.2440e-01],  
 [1.5833e-01, 2.1044e-05, 1.7465e-02],  
 [3.7294e+00, 1.2272e-03, 2.0430e-01],  
 [1.1425e+01, 5.0830e-03, 3.6023e-01],  
 [1.0922e+01, 6.0611e-03, 5.6682e-01],  
 [9.4887e+00, 2.7651e-02, 5.4706e-01],  
 [3.3266e+01, 4.2939e-02, 7.2731e-01],  
 [2.0386e-01, 6.2978e-06, 2.2799e-02],  
 [7.4286e-02, 2.8861e-07, 9.3642e-03],  
 [4.2907e+01, 1.0370e-01, 2.4296e+00],  
 [6.8214e+00, 7.8749e-03, 5.9521e-01],  
 [1.3209e+02, 1.9293e+00, 4.0065e+00],  
 [3.5679e+00, 4.6530e-04, 2.7951e-01],  
 [4.5696e+01, 3.0854e-01, 2.8656e+00],

[3.4947e-01, 4.1743e-05, 4.1504e-02],  
 [2.7153e+02, 9.7038e-01, 3.8936e+00],  
 [6.5965e+00, 6.3607e-03, 3.0858e-01],  
 [2.1676e+00, 2.4472e-03, 1.5837e-01],  
 [7.4011e+00, 6.2645e-03, 5.7847e-01],  
 [3.7109e+00, 1.5399e-03, 2.1070e-01],  
 [1.0722e+02, 1.1226e+00, 2.1032e+00],  
 [2.7882e+01, 1.1013e-01, 1.0986e+00],  
 [1.8014e+01, 3.7850e-02, 7.6681e-01],  
 [1.8237e-01, 1.2278e-05, 1.9285e-02],  
 [9.5585e-02, 3.9785e-06, 1.1677e-02],  
 [6.0803e-01, 3.0012e-06, 4.8590e-02],  
 [1.9060e+00, 5.3903e-04, 1.8606e-01],  
 [7.8873e-01, 9.2761e-05, 7.2694e-02],  
 [5.6740e-02, 1.8346e-06, 7.2718e-03],  
 [2.4871e+01, 1.9939e-01, 9.0973e-01],  
 [6.4949e+01, 8.4642e-01, 3.3696e+00],  
 [1.7738e+02, 5.3163e-01, 3.4963e+00],  
 [2.0033e+00, 3.7611e-04, 2.2768e-01],  
 [4.8956e+01, 2.7200e-02, 2.0719e+00],  
 [1.2441e+02, 2.9442e+00, 2.8691e+00],  
 [7.0194e+00, 2.2713e-03, 5.1188e-01],  
 [9.9404e+01, 3.0795e+00, 2.5412e+00],  
 [2.8196e-01, 1.3635e-05, 4.0167e-02],  
 [1.2256e-02, 2.4173e-08, 1.8338e-03],  
 [1.6633e+01, 4.9008e-02, 5.7397e-01],  
 [9.8176e+01, 1.6216e+00, 4.0170e+00],  
 [1.0902e+01, 3.0824e-02, 6.2421e-01],  
 [2.9729e-02, 7.3220e-07, 4.1434e-03],  
 [2.7921e+00, 1.7834e-03, 1.5947e-01],  
 [2.5490e-01, 2.7736e-06, 2.4223e-02],  
 [2.4774e+01, 2.2220e-02, 1.0189e+00],  
 [8.0936e+01, 8.7411e-01, 1.8985e+00],  
 [4.5460e-02, 5.3847e-08, 6.6794e-03],  
 [3.6604e-01, 3.3564e-05, 5.0043e-02],  
 [1.7910e+00, 2.3312e-04, 1.9388e-01],  
 [7.0777e+00, 8.9208e-03, 3.7399e-01],  
 [1.1394e+00, 3.3983e-04, 8.7171e-02],  
 [2.1649e-03, 6.4354e-10, 3.4551e-04],  
 [2.0147e-02, 4.2678e-08, 2.9811e-03],  
 [3.8414e-01, 3.3010e-05, 4.3370e-02],  
 [1.0274e-01, 5.0397e-06, 1.4127e-02],  
 [4.1069e+01, 4.9031e-01, 1.4424e+00],  
 [3.3975e+01, 9.8279e-02, 1.1258e+00],  
 [6.5901e+01, 1.6459e-01, 1.5068e+00],  
 [1.7346e-02, 9.6603e-08, 2.6216e-03],  
 [2.4911e+00, 9.4463e-04, 1.2765e-01],  
 [1.0413e+00, 2.9692e-04, 9.5335e-02],

[1.2239e+00, 2.4200e-04, 1.0120e-01],  
[2.5838e-02, 5.8350e-07, 3.8050e-03],  
[4.9734e+00, 2.1573e-02, 5.5310e-01],  
[1.5690e-01, 1.8044e-05, 2.3569e-02],  
[1.3622e+01, 3.9991e-02, 1.2780e+00],  
[7.7030e-01, 4.3527e-04, 9.1915e-02],  
[3.3076e+00, 1.6932e-03, 2.0531e-01],  
[1.2157e+01, 1.4806e-02, 8.5624e-01],  
[1.4747e+01, 2.2771e-02, 7.7480e-01],  
[7.3153e+01, 7.0450e-01, 3.7291e+00],  
[2.2534e+01, 2.1882e-01, 9.8240e-01],  
[1.7867e-01, 1.0015e-06, 1.8111e-02],  
[1.1933e-02, 4.9707e-08, 1.7836e-03],  
[5.9472e+01, 1.6921e-01, 1.6231e+00],  
[1.9222e+01, 5.8217e-02, 1.5106e+00],  
[7.6951e+01, 6.8306e-01, 3.5994e+00],  
[1.3203e+00, 6.8541e-04, 1.5641e-01],  
[1.7107e+02, 2.3305e+00, 4.8810e+00],  
[2.8407e+01, 6.7129e-02, 7.0392e-01],  
[1.3271e+00, 1.9877e-04, 9.1270e-02],  
[5.1971e-01, 1.7890e-04, 6.0810e-02],  
[7.0354e+01, 5.6512e-01, 2.3244e+00],  
[1.3089e+02, 1.9136e+00, 3.1423e+00],  
[4.9492e-03, 5.4178e-09, 7.9019e-04],  
[4.2061e-01, 5.2006e-05, 3.9143e-02],  
[1.0392e+01, 9.9219e-03, 3.9955e-01],  
[1.6211e-03, 8.6567e-10, 2.6159e-04],  
[4.3905e+00, 4.5508e-04, 2.2106e-01],  
[2.2707e+00, 1.1596e-03, 2.0177e-01],  
[1.6461e+01, 1.8053e-02, 1.0504e+00],  
[8.8798e+01, 3.5770e-01, 2.8000e+00],  
[6.5873e+01, 1.8120e-01, 1.9714e+00],  
[3.6703e+01, 4.1003e-01, 1.8435e+00],  
[2.4501e+02, 5.6955e-01, 4.6895e+00],  
[1.6719e+00, 9.2259e-04, 1.3366e-01],  
[7.1595e+01, 8.7803e-01, 2.4119e+00],  
[7.4299e-01, 9.7221e-05, 6.0751e-02],  
[1.4562e+02, 2.4101e+00, 4.3168e+00],  
[1.4969e-01, 9.2898e-06, 1.6974e-02],  
[1.3019e-01, 1.1440e-05, 1.9062e-02],  
[8.3073e+00, 1.3799e-02, 4.4970e-01],  
[1.7247e+01, 9.4827e-03, 8.7172e-01],  
[1.5604e+02, 4.3099e+00, 3.2327e+00],  
[8.6502e+00, 1.8290e-02, 6.4629e-01],  
[6.9568e-02, 3.4399e-06, 1.0605e-02],  
[7.7797e-01, 7.6636e-05, 8.4774e-02],  
[2.6221e+00, 5.0881e-03, 2.8073e-01],  
[2.2302e+02, 1.3102e+00, 5.0423e+00],

```

[1.6736e+01, 8.0428e-02, 6.7148e-01],
[4.6418e-01, 6.2661e-05, 4.5318e-02],
[1.1592e+00, 9.1853e-04, 1.1847e-01],
[6.3774e+00, 1.4375e-02, 3.6847e-01],
[1.4681e+02, 3.6363e-01, 4.5114e+00],
[2.4940e+00, 1.1400e-03, 1.6023e-01],
[7.5284e-01, 4.9855e-05, 4.5599e-02],
[1.0701e+01, 1.1823e-02, 5.0901e-01],
[5.6286e+00, 2.1406e-02, 4.0837e-01],
[1.7527e-01, 6.2986e-07, 2.1601e-02],
[5.7621e+01, 2.1487e-01, 1.6703e+00],
[5.3980e+01, 4.9652e-01, 1.6309e+00],
[1.6474e+02, 4.4659e-01, 3.4156e+00],
[4.4252e-01, 4.7473e-05, 5.4883e-02],
[8.2330e+00, 9.6371e-03, 5.8306e-01],
[2.4157e+02, 9.7943e+00, 4.8224e+00],
[1.3202e-01, 8.6293e-06, 1.6516e-02],
[7.4258e+00, 5.4941e-04, 3.6931e-01],
[2.1189e+00, 1.0640e-03, 2.8802e-01],
[1.1284e-01, 6.1255e-06, 1.3141e-02],
[3.6926e+01, 7.2341e-02, 1.7915e+00],
[4.5283e+01, 1.3210e-01, 2.3747e+00],
[1.6477e+01, 6.0642e-02, 1.1524e+00],
[3.7000e-01, 7.1568e-05, 3.9532e-02],
[9.8763e+00, 4.2881e-03, 4.5926e-01],
[3.4562e+01, 2.0775e-01, 1.1654e+00],
[1.0309e-01, 1.5534e-06, 1.3224e-02],
[1.5542e+00, 1.3933e-03, 1.4035e-01],
[2.7780e+01, 2.3804e-01, 9.1977e-01],
[7.6939e-02, 9.4610e-07, 1.1074e-02],
[1.1214e+00, 1.0278e-03, 1.3048e-01],
[3.1264e+01, 6.1765e-02, 1.0147e+00],
[1.0114e+02, 1.9907e+00, 2.7896e+00],
[1.0254e+02, 6.7630e-01, 3.4332e+00],
[6.1301e+00, 5.5965e-03, 2.9099e-01],
[6.2893e+01, 6.0715e-01, 1.6470e+00]], dtype=torch.float64)
Iteration: 65
Inputs: tensor([[2.1744e+19, 4.2619e+02, 1.7187e+01, 5.0083e+00],
               [3.4417e+20, 2.3027e+02, 1.0357e+01, 6.6814e+00],
               [9.8422e+18, 7.4007e+01, 1.3049e+01, 5.8349e+00],
               ...,
               [5.4956e+18, 9.9604e+01, 1.7798e+01, 1.3007e+00],
               [5.9165e+19, 3.5569e+02, 1.9774e+01, 6.6388e+00],
               [1.1434e+20, 1.6943e+02, 9.0125e+00, 1.1570e+00]]), dtype=torch.float64)
Target: tensor([[7.1340e+00, 1.0031e-02, 4.1406e-01],
               [7.8413e+01, 9.2083e-01, 2.6656e+00],
               [2.3593e-01, 3.4360e-05, 3.1547e-02],
               [3.4905e+01, 2.0905e-01, 1.1267e+00],

```

[2.5048e+01, 1.6124e-01, 9.2756e-01],  
 [4.5156e+00, 4.0376e-04, 1.7802e-01],  
 [8.2537e-01, 4.6121e-04, 9.7055e-02],  
 [1.3110e+01, 9.9918e-03, 4.1922e-01],  
 [6.8569e+00, 1.1168e-02, 3.7542e-01],  
 [2.9607e-01, 3.0312e-05, 2.5276e-02],  
 [2.9547e+01, 1.8298e-01, 1.2718e+00],  
 [4.9300e+01, 4.1775e-02, 2.2700e+00],  
 [5.0352e+01, 7.8958e-01, 3.0502e+00],  
 [5.6410e-01, 1.4323e-04, 6.1529e-02],  
 [1.5961e+02, 1.9184e+00, 4.4201e+00],  
 [1.5048e-02, 7.1936e-08, 2.3180e-03],  
 [2.7422e+00, 3.6661e-03, 2.5199e-01],  
 [2.4225e+01, 9.2561e-02, 7.2587e-01],  
 [3.7328e+01, 4.2519e-01, 1.2100e+00],  
 [3.7268e-01, 5.1223e-05, 3.7218e-02],  
 [1.0964e+02, 1.3339e+00, 2.3322e+00],  
 [8.8899e+00, 1.3281e-02, 3.4012e-01],  
 [3.6963e+01, 3.0756e-01, 1.4513e+00],  
 [1.3232e+02, 1.0831e+00, 4.6446e+00],  
 [1.1378e+00, 1.5928e-04, 8.1132e-02],  
 [1.1178e+02, 2.6614e+00, 4.1439e+00],  
 [4.9076e+01, 3.5619e-01, 1.8148e+00],  
 [3.3307e-02, 1.0282e-07, 4.6239e-03],  
 [2.9921e+01, 1.5058e-01, 1.4297e+00],  
 [1.6882e+02, 2.5443e+00, 4.0473e+00],  
 [1.0658e+02, 6.7666e-01, 2.4782e+00],  
 [2.1271e-03, 3.4675e-09, 3.4026e-04],  
 [2.3902e+00, 2.8280e-04, 2.0415e-01],  
 [2.2491e+01, 3.5552e-02, 8.5879e-01],  
 [1.2468e+01, 1.4397e-02, 4.4055e-01],  
 [7.7483e+00, 6.3790e-03, 3.7736e-01],  
 [2.7467e+01, 9.6142e-02, 1.2718e+00],  
 [1.7320e+01, 3.5527e-02, 6.3300e-01],  
 [4.5072e-02, 3.1480e-06, 6.4622e-03],  
 [5.8109e+01, 3.5951e-01, 2.9445e+00],  
 [1.5374e+02, 6.2953e+00, 4.1554e+00],  
 [9.0058e-01, 3.6843e-04, 7.7352e-02],  
 [4.2998e-03, 1.8957e-08, 6.7993e-04],  
 [2.3617e+01, 2.3247e-02, 7.0496e-01],  
 [4.1701e+00, 3.1100e-03, 3.1124e-01],  
 [8.6109e+01, 7.1654e-01, 2.2366e+00],  
 [4.3063e+00, 1.7978e-03, 2.6051e-01],  
 [4.7471e+01, 5.7244e-02, 1.0859e+00],  
 [6.0381e+01, 4.4081e-02, 2.2809e+00],  
 [4.8605e-01, 5.7816e-05, 4.9681e-02],  
 [3.0620e+01, 1.0381e-01, 8.1479e-01],  
 [4.5418e+00, 2.8100e-03, 2.2722e-01],

[1.4955e+00, 1.0237e-03, 1.4159e-01],  
 [2.9676e-01, 3.0648e-05, 2.9987e-02],  
 [1.4938e+01, 5.6260e-02, 7.0024e-01],  
 [1.3760e-02, 8.5186e-08, 2.0775e-03],  
 [1.7210e+00, 1.8265e-03, 1.7172e-01],  
 [4.4432e+01, 3.6631e-01, 1.4370e+00],  
 [1.0797e+00, 1.9650e-04, 7.2865e-02],  
 [2.3936e-01, 2.8732e-05, 2.6500e-02],  
 [5.6787e+00, 9.6096e-03, 4.6944e-01],  
 [1.6494e+02, 4.5083e+00, 4.6254e+00],  
 [9.2913e-02, 2.6363e-06, 1.2582e-02],  
 [7.6664e-02, 1.8665e-06, 1.1784e-02],  
 [3.2689e+01, 2.6424e-01, 2.3477e+00],  
 [1.6027e+01, 2.8247e-02, 1.1127e+00],  
 [8.1603e-01, 6.6100e-04, 9.4066e-02],  
 [2.3301e-01, 1.0366e-05, 3.5033e-02],  
 [2.4893e+00, 3.2319e-04, 1.5519e-01],  
 [2.8969e+01, 2.3084e-01, 1.6878e+00],  
 [3.0077e-01, 1.1992e-05, 3.5022e-02],  
 [1.5519e+00, 8.5516e-04, 1.2531e-01],  
 [8.9980e+00, 2.8442e-02, 6.3472e-01],  
 [9.4877e-01, 2.7875e-04, 1.1363e-01],  
 [3.3200e+01, 2.2627e-01, 1.0331e+00],  
 [4.3985e+00, 3.2362e-03, 2.5647e-01],  
 [3.4815e-01, 1.9308e-05, 3.7433e-02],  
 [2.6240e+02, 1.0340e+01, 5.0506e+00],  
 [5.2154e+01, 4.7166e-01, 1.6073e+00],  
 [1.4819e+00, 1.1067e-03, 1.2077e-01],  
 [3.1784e-01, 4.3936e-05, 3.5610e-02],  
 [1.0104e+01, 7.6072e-03, 5.7898e-01],  
 [5.9524e+01, 4.5881e-01, 2.9055e+00],  
 [4.7749e+00, 4.0851e-03, 3.7124e-01],  
 [1.2087e+00, 1.9848e-04, 1.3464e-01],  
 [1.0085e+00, 3.4016e-04, 8.3599e-02],  
 [1.0648e+00, 4.7659e-04, 9.0584e-02],  
 [1.4540e+02, 4.4225e+00, 3.1630e+00],  
 [4.9604e+01, 1.0388e+00, 2.6716e+00],  
 [6.7714e+00, 8.9466e-03, 3.0825e-01],  
 [1.6436e+01, 6.8063e-02, 9.8395e-01],  
 [2.7666e+01, 2.0373e-01, 1.7572e+00],  
 [4.1587e+00, 2.7961e-03, 2.3172e-01],  
 [6.1258e+00, 7.4393e-03, 5.5982e-01],  
 [1.0826e+02, 1.1419e+00, 4.3800e+00],  
 [6.3890e+00, 1.0891e-03, 2.8663e-01],  
 [5.2814e-01, 2.4822e-04, 5.8085e-02],  
 [3.3910e-02, 2.0438e-07, 4.8571e-03],  
 [1.4490e+01, 2.2130e-02, 6.7417e-01],  
 [2.6036e-02, 5.8272e-07, 3.8505e-03],

[9.2104e+00, 7.8172e-03, 4.4043e-01],  
[3.6008e+01, 2.6870e-01, 9.2955e-01],  
[6.6829e-01, 1.9387e-04, 8.4776e-02],  
[1.6911e+01, 2.4282e-02, 6.8311e-01],  
[1.3780e+01, 2.3962e-02, 4.5366e-01],  
[8.7490e+00, 9.2054e-03, 4.6163e-01],  
[5.9759e-01, 3.5828e-05, 4.3920e-02],  
[3.2118e+00, 2.1273e-03, 2.0118e-01],  
[3.5064e+01, 5.0374e-02, 1.0964e+00],  
[2.3735e+01, 6.7652e-03, 1.5311e+00],  
[9.1072e-01, 3.6198e-05, 6.6400e-02],  
[1.1076e+01, 6.5993e-03, 7.0444e-01],  
[1.8189e+02, 1.4106e+00, 4.0007e+00],  
[1.6787e-01, 5.7275e-06, 2.1666e-02],  
[3.0016e+01, 1.4418e-01, 7.7818e-01],  
[2.4277e-02, 7.3512e-07, 3.5222e-03],  
[7.7312e+00, 1.7072e-02, 4.7353e-01],  
[1.4504e+01, 2.1662e-02, 9.4141e-01],  
[4.3689e+00, 1.7149e-03, 4.7717e-01],  
[4.2433e+00, 3.3616e-04, 2.9826e-01],  
[5.8099e+00, 5.2697e-04, 3.6160e-01],  
[8.2005e-01, 1.5392e-04, 9.3959e-02],  
[2.1893e+02, 3.0659e+00, 3.4866e+00],  
[5.1790e-01, 1.2376e-05, 5.3505e-02],  
[5.0522e-02, 9.4111e-07, 6.5624e-03],  
[2.4584e-01, 1.6754e-05, 3.2115e-02],  
[1.6418e+01, 2.3225e-02, 4.5035e-01],  
[5.5110e+01, 4.1282e-01, 1.3514e+00],  
[1.3797e+02, 4.0061e+00, 3.5140e+00],  
[6.3446e-01, 5.2796e-05, 7.1517e-02],  
[2.1877e+00, 3.8495e-04, 2.2667e-01],  
[2.6068e+01, 1.4045e-01, 1.8893e+00],  
[1.1183e+01, 2.8277e-02, 1.2220e+00],  
[8.2779e+00, 2.5324e-02, 6.7600e-01],  
[1.5580e+01, 4.4987e-02, 6.1045e-01],  
[1.2442e+02, 3.0677e+00, 3.6055e+00],  
[3.9533e-01, 6.1655e-05, 3.6633e-02],  
[1.3004e-01, 1.2236e-05, 1.4958e-02],  
[2.7099e+00, 2.0330e-03, 1.7228e-01],  
[3.6320e-02, 3.3483e-07, 5.1142e-03],  
[2.2045e+01, 1.9316e-02, 1.0024e+00],  
[8.3200e+00, 6.1290e-03, 4.4519e-01],  
[3.9792e+01, 1.7235e-01, 1.2421e+00],  
[1.8424e+01, 1.3996e-01, 9.0121e-01],  
[1.6680e+00, 3.3541e-04, 9.4220e-02],  
[3.8519e+00, 5.1089e-03, 3.3782e-01],  
[1.1831e+01, 1.9455e-02, 4.6707e-01],  
[1.1555e-01, 3.7392e-06, 1.6770e-02],

[1.1471e-01, 5.8770e-06, 1.3173e-02],  
 [2.8120e+01, 2.3933e-01, 1.2731e+00],  
 [4.3386e+01, 1.8379e-01, 1.2354e+00],  
 [1.9060e+01, 6.4442e-03, 8.6260e-01],  
 [7.1877e+00, 1.1713e-02, 5.9306e-01],  
 [1.1118e+02, 7.8096e-01, 2.4677e+00],  
 [2.1205e+01, 7.3140e-02, 7.0308e-01],  
 [2.7242e+00, 7.5480e-04, 1.8716e-01],  
 [9.6822e+00, 1.7400e-02, 6.5802e-01],  
 [7.5971e+01, 1.4196e+00, 1.9913e+00],  
 [1.6946e+01, 1.0994e-01, 7.7993e-01],  
 [5.0514e-01, 9.7163e-05, 5.5168e-02],  
 [7.1008e+00, 2.3749e-02, 6.0913e-01],  
 [1.3648e+00, 6.8779e-04, 9.6757e-02],  
 [1.1457e+00, 7.9397e-05, 1.0212e-01],  
 [1.7098e+01, 1.4534e-01, 1.2527e+00],  
 [4.9222e+00, 9.1739e-04, 3.1328e-01],  
 [1.2057e+00, 2.5082e-04, 1.6526e-01],  
 [5.4611e+01, 1.1057e-01, 2.7046e+00],  
 [1.4191e-01, 2.5169e-06, 1.7865e-02],  
 [3.2814e+01, 3.4053e-02, 1.6670e+00],  
 [9.8055e+00, 1.3859e-02, 5.4963e-01],  
 [5.6111e+00, 6.7449e-03, 4.3062e-01],  
 [1.8747e+01, 4.0357e-02, 1.0537e+00],  
 [1.8096e+01, 1.2997e-01, 8.9396e-01],  
 [1.9703e-01, 5.3791e-06, 2.3726e-02],  
 [1.1975e+00, 6.6920e-05, 1.2134e-01],  
 [2.9567e+02, 6.9238e+00, 4.2540e+00],  
 [3.9758e-01, 7.6501e-05, 3.9542e-02],  
 [6.6744e+00, 2.3174e-03, 5.0982e-01],  
 [9.6479e-01, 6.0586e-04, 8.7502e-02],  
 [2.6770e+00, 1.0273e-03, 2.3632e-01],  
 [2.7331e+01, 8.0736e-02, 1.0421e+00],  
 [7.9419e+00, 2.6574e-02, 6.0321e-01],  
 [3.1109e-02, 1.7564e-07, 4.5293e-03],  
 [9.8413e+01, 9.1731e-01, 2.6609e+00],  
 [1.5432e+02, 1.2357e+00, 4.6592e+00],  
 [1.1249e+00, 2.7192e-04, 7.7266e-02],  
 [7.2819e+01, 1.2341e+00, 2.3439e+00],  
 [1.9922e+02, 2.3800e+00, 4.1520e+00],  
 [1.4331e+00, 2.6738e-04, 1.6492e-01],  
 [2.2212e+01, 2.8533e-01, 1.5382e+00],  
 [7.1838e-01, 8.9729e-05, 8.5914e-02],  
 [9.8657e+00, 2.1404e-02, 5.6035e-01],  
 [3.4313e-01, 2.4831e-05, 3.9213e-02],  
 [4.6083e+00, 2.1418e-03, 3.4673e-01],  
 [1.9975e+01, 1.6832e-02, 1.2046e+00],  
 [1.2791e+02, 8.2526e-01, 3.5572e+00],



[4.4361e+01, 1.2093e-01, 1.5876e+00],  
[3.2731e+01, 8.1461e-02, 1.0756e+00],  
[1.4542e+02, 1.4985e+00, 4.0361e+00],  
[2.0153e+00, 7.0925e-04, 1.2618e-01],  
[4.1679e+01, 2.6466e-01, 2.2579e+00],  
[2.7313e+00, 7.6190e-04, 1.6038e-01],  
[8.2603e-03, 3.4616e-08, 1.2640e-03],  
[2.1314e+00, 7.4927e-04, 1.1194e-01],  
[4.8894e+00, 3.6810e-03, 4.0961e-01],  
[5.7955e-02, 6.5601e-07, 8.2162e-03],  
[1.7817e+00, 4.0804e-05, 1.2554e-01],  
[5.9098e-01, 2.1501e-05, 4.2291e-02],  
[3.4684e+01, 2.2538e-01, 1.9271e+00],  
[1.4872e+01, 9.4639e-02, 9.5040e-01],  
[2.0352e+00, 2.0709e-03, 1.8998e-01],  
[9.1231e+01, 8.1766e-01, 2.3023e+00],  
[2.2956e+01, 4.4590e-02, 1.1744e+00],  
[2.4548e+01, 5.7099e-02, 1.1283e+00],  
[1.4376e+01, 3.1379e-02, 1.3222e+00],  
[4.3361e+01, 2.1807e-01, 1.4124e+00],  
[1.3717e+02, 2.8592e+00, 3.7928e+00],  
[6.2990e-01, 5.6264e-05, 7.8505e-02],  
[8.7935e-01, 2.5121e-05, 6.4234e-02],  
[3.4080e+00, 1.4022e-03, 3.0110e-01],  
[9.1308e+00, 2.6105e-03, 7.2392e-01],  
[3.8128e+00, 1.5773e-03, 1.8764e-01],  
[4.8624e+00, 3.6002e-03, 2.6765e-01],  
[2.0578e+02, 6.8804e+00, 4.7275e+00],  
[7.0057e+00, 9.6578e-03, 3.2942e-01],  
[2.0639e+00, 1.2618e-03, 2.4738e-01],  
[1.6596e-01, 1.7984e-05, 1.8797e-02],  
[5.4987e+00, 4.0172e-03, 5.9918e-01],  
[2.0960e+02, 4.5837e+00, 3.7624e+00],  
[6.1344e+01, 1.0933e+00, 1.7058e+00],  
[1.1414e+02, 4.8559e-01, 3.8658e+00],  
[7.7885e-01, 1.4861e-04, 9.4490e-02],  
[2.3510e-01, 3.9208e-05, 2.3106e-02],  
[2.5267e-01, 6.2726e-06, 3.6840e-02],  
[1.9232e+01, 6.5411e-02, 1.4722e+00],  
[3.8382e+00, 2.0432e-03, 2.2603e-01],  
[7.4042e+01, 8.3417e-01, 2.3223e+00],  
[8.2973e+00, 2.0314e-02, 5.3578e-01],  
[2.2928e-01, 3.6700e-05, 3.2710e-02],  
[8.5507e+01, 2.3997e-01, 2.5697e+00],  
[3.6151e+01, 2.7901e-01, 1.4792e+00],  
[7.2991e-02, 7.4837e-07, 1.0521e-02],  
[7.9123e+01, 1.1248e+00, 3.7722e+00],  
[2.6670e+01, 1.5318e-01, 9.3435e-01],

[1.0566e+01, 3.2152e-02, 9.5591e-01],  
[6.5021e+00, 1.9903e-02, 5.3098e-01],  
[5.0245e+01, 1.4362e-01, 1.8510e+00],  
[9.0803e-01, 5.4805e-04, 8.5335e-02],  
[3.6108e-01, 4.9743e-05, 4.5764e-02],  
[9.2196e-01, 1.6420e-04, 8.7940e-02],  
[6.6977e-02, 5.6486e-06, 1.0249e-02],  
[2.9827e-01, 4.6092e-05, 2.9832e-02],  
[1.1089e+01, 2.3090e-02, 9.8613e-01],  
[2.3341e+02, 7.1541e+00, 3.8676e+00],  
[1.7147e-02, 1.7998e-07, 2.5965e-03],  
[2.4745e-01, 1.1039e-05, 3.3823e-02],  
[3.7807e+01, 2.6424e-01, 1.7196e+00],  
[5.9219e+01, 8.0357e-01, 1.8861e+00],  
[6.6695e+01, 6.2491e-01, 2.3614e+00],  
[8.0665e+00, 2.2214e-03, 4.2300e-01],  
[7.9429e-01, 4.8378e-05, 6.6799e-02],  
[1.2239e+00, 3.9450e-04, 1.3195e-01],  
[2.4514e+01, 1.8838e-01, 1.0870e+00],  
[6.1146e-02, 6.2889e-07, 9.2574e-03],  
[9.9953e+00, 5.2329e-02, 5.6305e-01],  
[1.2839e+01, 2.6057e-02, 1.1717e+00],  
[7.1403e+01, 1.8383e+00, 3.2697e+00],  
[4.7065e-02, 1.9237e-06, 7.1818e-03],  
[5.5705e+01, 2.5224e-01, 1.6411e+00],  
[1.0517e+02, 1.9261e+00, 3.1786e+00],  
[3.7288e+01, 8.3123e-02, 1.3107e+00],  
[1.7523e+01, 2.3673e-02, 5.7620e-01],  
[2.1403e+01, 3.1327e-02, 7.3283e-01],  
[5.7197e+01, 4.4975e-01, 2.9835e+00],  
[1.9143e+01, 2.0746e-01, 1.1398e+00],  
[4.4220e+00, 1.0142e-03, 3.3842e-01],  
[8.2400e-01, 1.4327e-04, 7.3692e-02],  
[3.0344e+01, 2.7250e-01, 1.2211e+00],  
[8.6801e-01, 3.4145e-04, 7.4690e-02],  
[1.4740e-01, 1.0562e-05, 1.8002e-02],  
[2.0371e-01, 1.1370e-05, 2.3798e-02],  
[1.1507e+02, 8.8292e-01, 3.0730e+00],  
[3.4085e+01, 1.9761e-02, 1.5781e+00],  
[8.6604e-02, 3.5686e-06, 1.2307e-02],  
[7.2272e-01, 1.5468e-04, 9.7399e-02],  
[7.7326e+01, 8.8011e-01, 2.0782e+00],  
[1.7043e+00, 1.2184e-04, 1.4038e-01],  
[7.9858e+01, 7.4776e-01, 2.7293e+00],  
[9.0969e-01, 2.0720e-04, 9.6854e-02],  
[2.7981e-02, 2.3856e-07, 3.8673e-03],  
[3.8738e+01, 5.3280e-02, 1.2653e+00],  
[1.7216e+00, 4.8700e-04, 1.0053e-01],

```

[2.4179e+00, 1.6498e-03, 1.8795e-01],
[1.8137e-01, 1.9920e-05, 2.4496e-02],
[9.5330e+01, 1.4946e-01, 2.3007e+00],
[9.6157e+01, 5.7736e-01, 2.4494e+00],
[1.8281e+01, 4.5448e-02, 9.2463e-01],
[3.4726e+01, 4.4192e-01, 2.2611e+00],
[2.1287e-01, 2.8880e-05, 2.3360e-02],
[3.1813e-02, 1.2480e-07, 4.6919e-03],
[1.7663e+00, 1.0195e-03, 2.4628e-01],
[5.9771e-01, 1.2798e-04, 5.4378e-02],
[1.0601e+01, 2.6329e-02, 7.9139e-01],
[1.0993e+02, 1.2407e+00, 2.4902e+00],
[5.2156e-01, 1.5206e-04, 4.9521e-02],
[1.7318e+00, 1.5497e-03, 2.4336e-01],
[1.1285e+02, 9.8322e-01, 2.8880e+00],
[2.4216e+00, 1.5010e-03, 2.8944e-01],
[3.4182e+01, 3.0330e-01, 1.3097e+00],
[9.5932e+01, 3.0301e-01, 2.6661e+00],
[9.1326e+01, 1.3453e+00, 2.4772e+00],
[7.6455e-03, 3.4225e-08, 1.1595e-03],
[3.9702e+00, 1.1973e-02, 4.3396e-01],
[6.4378e+01, 2.0950e-01, 2.7182e+00],
[1.1628e-01, 1.4536e-05, 1.5595e-02],
[2.8533e+01, 1.4045e-01, 1.0530e+00],
[8.0957e-01, 2.6381e-04, 7.9438e-02],
[8.2190e-03, 1.3216e-08, 1.3051e-03],
[2.1144e+01, 1.3468e-01, 9.1240e-01],
[5.8224e+00, 1.6524e-03, 5.6361e-01]], dtype=torch.float64)
Iteration: 66
Inputs: tensor([[4.7899e+18, 4.0616e+02, 1.6422e+01, 9.1164e+00],
               [3.6168e+18, 3.4356e+02, 3.2287e+00, 3.2485e+00],
               [2.3853e+19, 4.7448e+02, 1.2682e+01, 4.7658e+00],
               ...,
               [4.4639e+20, 4.7569e+02, 1.1501e+01, 5.9047e+00],
               [1.3951e+19, 2.3313e+02, 1.5602e+01, 4.4691e+00],
               [4.5529e+19, 1.3051e+02, 1.0919e+01, 7.0422e+00]]), dtype=torch.float64)
Target: tensor([[1.5608e+00, 1.0363e-03, 1.1378e-01],
               [1.2969e+00, 6.2535e-05, 9.2947e-02],
               [1.0745e+01, 1.4204e-02, 5.0219e-01],
               [1.1577e+01, 3.3886e-02, 6.4107e-01],
               [5.4893e-01, 2.1866e-04, 6.4149e-02],
               [1.0021e+01, 7.5155e-03, 5.4982e-01],
               [3.0558e+01, 1.8184e-01, 1.8414e+00],
               [1.7370e-02, 4.5646e-08, 2.5742e-03],
               [1.4313e-01, 4.2292e-06, 2.0615e-02],
               [1.3593e+01, 4.7196e-03, 4.4912e-01],
               [2.8082e-01, 2.2938e-05, 3.4237e-02],
               [3.8502e-02, 8.3685e-07, 5.2333e-03],

```

[6.6719e+01, 1.3939e+00, 2.3436e+00],  
 [1.4483e-01, 1.6311e-05, 2.0467e-02],  
 [4.9733e+00, 5.6289e-03, 3.0678e-01],  
 [1.3298e-01, 9.6152e-06, 1.6825e-02],  
 [2.8799e+01, 1.4433e-01, 1.4579e+00],  
 [1.4850e-02, 9.5883e-08, 2.2113e-03],  
 [3.0977e+01, 1.6071e-02, 2.0817e+00],  
 [1.5471e+02, 2.5737e-01, 4.5022e+00],  
 [5.5799e-02, 3.9917e-07, 7.7079e-03],  
 [1.1534e+02, 1.8944e-01, 4.1169e+00],  
 [2.0541e+01, 1.0966e-01, 1.2899e+00],  
 [1.1110e+01, 6.6103e-03, 3.6513e-01],  
 [8.1773e-02, 3.3421e-06, 9.9827e-03],  
 [3.6746e+00, 2.3974e-03, 2.6373e-01],  
 [5.7345e+01, 3.3105e-01, 1.6082e+00],  
 [5.1011e+01, 3.3006e-01, 1.9626e+00],  
 [4.7487e+00, 2.3368e-03, 2.3590e-01],  
 [1.3368e+01, 1.5065e-02, 7.5202e-01],  
 [2.8029e+01, 1.9145e-01, 8.5132e-01],  
 [2.7206e-01, 3.6998e-05, 2.9303e-02],  
 [1.0744e-01, 4.6840e-06, 1.5106e-02],  
 [5.1893e-01, 3.1321e-05, 3.9185e-02],  
 [5.8337e-02, 4.5415e-07, 7.9180e-03],  
 [2.5734e-01, 6.1554e-05, 3.3935e-02],  
 [2.6303e+00, 1.7378e-03, 2.0631e-01],  
 [2.1894e-01, 3.2036e-05, 2.8806e-02],  
 [1.0591e+02, 7.9141e-01, 3.1281e+00],  
 [4.3628e+00, 7.6027e-03, 2.5344e-01],  
 [5.2159e+01, 4.6371e-01, 1.6941e+00],  
 [2.8480e-01, 3.5434e-05, 3.0698e-02],  
 [1.1165e+00, 4.4119e-04, 1.3310e-01],  
 [2.3861e+00, 1.0507e-03, 1.8097e-01],  
 [3.6753e+00, 2.3496e-03, 2.3314e-01],  
 [6.4421e-02, 1.0309e-07, 8.1177e-03],  
 [1.2046e+01, 1.2203e-02, 4.8135e-01],  
 [3.5961e+01, 8.8710e-02, 1.2756e+00],  
 [6.0261e-02, 4.9802e-06, 8.6826e-03],  
 [9.1531e-02, 4.1195e-06, 1.0695e-02],  
 [2.9542e+01, 4.8171e-01, 2.1337e+00],  
 [1.0670e+02, 1.4699e+00, 4.3731e+00],  
 [1.4085e-01, 1.6064e-05, 1.5070e-02],  
 [8.4307e-01, 1.4647e-05, 6.1485e-02],  
 [7.3039e-02, 2.8622e-07, 9.3873e-03],  
 [2.8612e+01, 1.2112e-01, 1.2320e+00],  
 [2.7016e+00, 3.6630e-04, 1.9201e-01],  
 [3.2860e+01, 1.0440e-01, 2.2992e+00],  
 [1.6286e+01, 5.2815e-02, 5.5336e-01],  
 [8.2259e+00, 1.0810e-02, 7.5623e-01],

[1.8170e+01, 3.4956e-02, 8.5856e-01],  
 [3.3421e+00, 1.7439e-03, 2.8367e-01],  
 [2.2463e+01, 3.2747e-02, 1.2547e+00],  
 [5.7451e+00, 3.9105e-03, 5.6868e-01],  
 [2.5750e+00, 5.5988e-04, 1.4066e-01],  
 [2.6510e-01, 3.4440e-05, 2.9410e-02],  
 [1.2526e-01, 9.0459e-06, 1.4097e-02],  
 [4.0195e+01, 3.8636e-01, 2.1841e+00],  
 [4.7826e+00, 1.7461e-03, 2.5147e-01],  
 [1.6690e-01, 1.5483e-05, 1.7786e-02],  
 [2.5207e+00, 2.1539e-04, 1.5097e-01],  
 [5.8803e+00, 8.3163e-03, 2.9509e-01],  
 [1.2376e+00, 3.4051e-04, 9.6355e-02],  
 [7.0632e-01, 4.2514e-04, 8.6514e-02],  
 [2.5199e+00, 2.0319e-03, 2.0897e-01],  
 [3.0887e-01, 1.1026e-04, 3.8158e-02],  
 [1.6979e+01, 4.2813e-02, 1.0286e+00],  
 [8.0027e-02, 2.9351e-06, 1.0167e-02],  
 [6.4886e+01, 2.7793e-01, 2.1381e+00],  
 [2.9744e+01, 2.7769e-01, 9.6025e-01],  
 [2.9046e+00, 5.1420e-04, 3.0069e-01],  
 [3.7856e-02, 1.4985e-06, 5.1925e-03],  
 [1.3960e-01, 1.1334e-06, 1.8484e-02],  
 [2.3105e+00, 4.6103e-03, 2.4692e-01],  
 [1.4402e+02, 6.0796e+00, 3.8192e+00],  
 [5.3049e+01, 1.9837e-01, 1.3351e+00],  
 [1.8021e+00, 7.8379e-05, 1.6343e-01],  
 [6.2434e-01, 1.1355e-04, 9.0137e-02],  
 [1.0464e+02, 1.5529e-01, 3.9339e+00],  
 [1.7609e+02, 8.1669e+00, 4.1359e+00],  
 [8.2313e-01, 3.4009e-04, 9.3435e-02],  
 [6.0836e+01, 1.1313e+00, 2.0751e+00],  
 [4.5474e+01, 1.6421e-01, 2.6150e+00],  
 [4.3413e-02, 1.7052e-06, 5.6885e-03],  
 [8.1584e+00, 3.2059e-02, 5.5140e-01],  
 [8.8129e+00, 2.3192e-02, 5.7774e-01],  
 [5.9015e-01, 4.3981e-05, 5.8194e-02],  
 [3.2435e+01, 2.5697e-01, 8.9669e-01],  
 [2.2872e-01, 1.0399e-05, 2.6408e-02],  
 [2.0189e+01, 3.0116e-02, 1.5341e+00],  
 [5.3994e+00, 1.5304e-02, 3.9548e-01],  
 [2.4745e-02, 2.8910e-07, 3.6369e-03],  
 [4.5875e-02, 9.8928e-07, 6.2811e-03],  
 [3.0153e+01, 1.2143e-01, 2.2408e+00],  
 [8.8513e+00, 2.1997e-02, 5.9358e-01],  
 [1.0638e+02, 3.5690e+00, 4.1752e+00],  
 [5.2318e-02, 7.7801e-07, 6.9174e-03],  
 [4.5438e+00, 1.0853e-02, 3.3382e-01],

[4.3936e-01, 3.4049e-05, 4.6246e-02],  
 [3.4483e+01, 5.1810e-02, 1.8593e+00],  
 [3.9018e+01, 2.6296e-01, 1.2650e+00],  
 [3.5921e+00, 3.3763e-04, 2.0021e-01],  
 [1.6247e-01, 4.5385e-06, 1.7177e-02],  
 [1.2726e+02, 1.0709e+00, 2.4315e+00],  
 [2.8340e+01, 1.9908e-01, 1.4524e+00],  
 [1.3822e+02, 4.0820e-01, 3.1703e+00],  
 [4.7132e-01, 3.0101e-05, 5.1944e-02],  
 [1.2617e+02, 3.4706e-01, 2.6451e+00],  
 [4.1827e+00, 9.1186e-04, 2.7552e-01],  
 [3.8367e+00, 3.1874e-03, 5.0305e-01],  
 [7.0975e+01, 1.5661e+00, 2.2032e+00],  
 [1.5459e+00, 3.3792e-04, 1.1385e-01],  
 [1.1810e+01, 2.7292e-02, 9.1360e-01],  
 [1.4139e+02, 1.5340e+00, 3.1466e+00],  
 [5.5266e-01, 1.8832e-04, 5.5205e-02],  
 [4.2335e+00, 9.3391e-05, 2.3818e-01],  
 [6.5303e+01, 1.6787e-01, 1.4717e+00],  
 [8.2698e-04, 1.6617e-10, 1.3583e-04],  
 [6.8362e+00, 1.9182e-02, 4.7507e-01],  
 [1.6372e+02, 2.2564e-01, 3.2798e+00],  
 [2.7369e+02, 6.6757e-01, 4.6271e+00],  
 [4.5532e+00, 1.9844e-03, 4.1064e-01],  
 [1.6046e+02, 8.0840e-01, 4.6566e+00],  
 [2.3296e-01, 5.7557e-05, 3.0560e-02],  
 [6.7177e-02, 1.6124e-06, 9.3032e-03],  
 [1.7556e+00, 1.4067e-04, 1.2116e-01],  
 [3.4035e+00, 1.0566e-02, 3.3794e-01],  
 [1.1009e+01, 1.0394e-02, 1.0672e+00],  
 [7.6445e-01, 7.5839e-05, 8.3561e-02],  
 [1.6503e+00, 3.4533e-04, 1.7393e-01],  
 [1.7563e+00, 7.5663e-04, 1.2200e-01],  
 [5.4237e+00, 8.1840e-03, 6.4326e-01],  
 [4.8641e-04, 1.2655e-10, 7.9630e-05],  
 [1.0228e-01, 3.9613e-06, 1.3821e-02],  
 [2.5612e-01, 3.8987e-05, 2.6871e-02],  
 [9.8674e-02, 6.2111e-06, 1.4830e-02],  
 [4.2470e+01, 7.4015e-02, 2.8576e+00],  
 [2.9883e-02, 2.1638e-07, 4.1217e-03],  
 [4.6521e+01, 2.7054e-01, 1.6997e+00],  
 [6.1961e+01, 2.8290e-01, 1.3700e+00],  
 [3.3335e+01, 1.3132e-01, 9.0439e-01],  
 [6.7435e-01, 9.8146e-05, 7.0771e-02],  
 [8.4354e+00, 1.5906e-02, 6.8871e-01],  
 [1.2132e+01, 2.0877e-02, 8.5419e-01],  
 [2.1135e+01, 1.3176e-01, 1.0314e+00],  
 [2.3365e+01, 7.7880e-02, 6.5100e-01],

[3.3541e+01, 1.9256e-01, 1.4412e+00],  
 [3.4557e-02, 9.9644e-08, 4.9169e-03],  
 [1.8756e+02, 6.2938e-01, 3.4758e+00],  
 [8.4728e-01, 1.6982e-04, 7.3976e-02],  
 [5.4229e+01, 7.2267e-01, 2.1541e+00],  
 [1.6487e+02, 2.5059e+00, 3.8423e+00],  
 [2.5267e+01, 2.1447e-02, 1.5052e+00],  
 [1.7393e+02, 1.6175e+00, 4.5582e+00],  
 [5.1364e+01, 4.8563e-01, 1.5110e+00],  
 [1.7453e+00, 3.5064e-04, 1.1865e-01],  
 [8.2615e+00, 2.4164e-02, 8.4258e-01],  
 [2.2496e-01, 2.7958e-05, 2.4892e-02],  
 [2.4428e-01, 1.2998e-05, 2.7972e-02],  
 [1.6963e+00, 7.8677e-04, 1.2102e-01],  
 [2.9792e-01, 3.9100e-05, 3.1131e-02],  
 [1.0072e+02, 1.0968e+00, 3.3371e+00],  
 [2.5469e-01, 2.1787e-05, 3.3486e-02],  
 [1.2002e-01, 1.4450e-06, 1.4845e-02],  
 [3.3530e-01, 2.6748e-05, 3.1740e-02],  
 [6.9491e+01, 1.9793e-01, 2.3267e+00],  
 [1.9790e+02, 5.0552e+00, 4.4113e+00],  
 [1.9888e+00, 7.2011e-04, 1.6743e-01],  
 [7.1240e+00, 6.0073e-03, 3.2394e-01],  
 [2.4888e+00, 9.3920e-04, 1.4612e-01],  
 [1.6354e+01, 9.5048e-02, 1.2027e+00],  
 [1.1511e+02, 2.4720e-01, 2.3145e+00],  
 [2.5180e-02, 1.7246e-07, 3.9203e-03],  
 [2.4626e+01, 5.0952e-02, 9.7247e-01],  
 [1.5532e+02, 2.3428e+00, 4.7573e+00],  
 [9.5171e+01, 2.3465e-01, 3.2049e+00],  
 [1.4645e-01, 5.6499e-06, 1.7542e-02],  
 [1.6408e+01, 1.0954e-01, 8.0666e-01],  
 [1.1916e+01, 1.6575e-02, 8.5572e-01],  
 [3.7834e-01, 4.0201e-05, 4.9795e-02],  
 [1.4018e+01, 2.7825e-02, 4.9506e-01],  
 [1.0035e+02, 8.0375e-01, 3.1171e+00],  
 [6.0766e+01, 7.9415e-01, 1.8818e+00],  
 [2.0432e+02, 4.8722e+00, 3.3989e+00],  
 [1.5993e+01, 1.2535e-02, 1.3109e+00],  
 [2.8665e+00, 7.1111e-04, 2.5667e-01],  
 [2.1143e+00, 7.1797e-04, 2.6098e-01],  
 [1.4435e+01, 1.6981e-02, 5.0385e-01],  
 [3.8532e+01, 2.1045e-01, 2.1067e+00],  
 [9.8628e-02, 4.0430e-06, 1.2894e-02],  
 [2.5920e+01, 1.0788e-01, 8.5280e-01],  
 [8.9046e-01, 1.6170e-04, 8.6029e-02],  
 [4.6489e-01, 8.0141e-05, 4.3950e-02],  
 [1.2523e+00, 2.0417e-04, 1.6629e-01],

[6.4446e+01, 9.0927e-01, 1.8779e+00],  
 [2.9077e+01, 1.6853e-01, 2.0472e+00],  
 [5.5925e+01, 2.6995e-01, 1.9551e+00],  
 [6.9912e-01, 6.3025e-05, 6.1555e-02],  
 [2.5004e-01, 4.0670e-06, 3.1060e-02],  
 [2.6296e-02, 6.7707e-07, 4.0531e-03],  
 [1.5918e-01, 1.9135e-06, 1.8251e-02],  
 [7.6406e-01, 2.1091e-04, 7.8242e-02],  
 [7.5165e+01, 8.5258e-02, 1.6706e+00],  
 [9.3626e-02, 7.0747e-06, 1.2242e-02],  
 [3.4012e+00, 4.9626e-04, 1.8580e-01],  
 [1.7203e+01, 6.6205e-02, 9.0397e-01],  
 [4.6425e-02, 1.7196e-06, 6.2823e-03],  
 [1.1081e+01, 4.6440e-03, 9.2137e-01],  
 [1.0452e+02, 4.4911e-01, 2.4865e+00],  
 [4.0037e+00, 4.2253e-04, 3.3132e-01],  
 [5.0888e-01, 1.1642e-04, 4.1749e-02],  
 [5.9091e+01, 8.4821e-01, 2.1708e+00],  
 [4.9981e+00, 4.2005e-04, 2.8388e-01],  
 [9.8581e+01, 2.3269e+00, 2.2500e+00],  
 [1.0109e-01, 1.5325e-06, 1.4112e-02],  
 [1.4828e-01, 1.8097e-05, 1.8839e-02],  
 [4.2825e+01, 4.1558e-01, 1.9071e+00],  
 [1.1565e+02, 2.0992e+00, 3.2728e+00],  
 [1.1663e+02, 3.1320e+00, 3.1150e+00],  
 [6.1872e+00, 1.1795e-02, 5.4761e-01],  
 [4.2367e-01, 4.7968e-05, 4.7925e-02],  
 [1.2072e+01, 8.6791e-02, 7.5150e-01],  
 [1.2987e+02, 2.6187e+00, 3.2961e+00],  
 [1.5885e-01, 4.2161e-06, 1.8295e-02],  
 [4.9945e+00, 4.0889e-03, 3.5050e-01],  
 [7.4460e-04, 1.8173e-10, 1.2085e-04],  
 [6.4479e-01, 8.3411e-05, 6.7115e-02],  
 [2.1832e+01, 6.4238e-02, 7.0320e-01],  
 [1.0747e+00, 2.6617e-04, 1.1335e-01],  
 [6.2158e-01, 2.4501e-04, 7.8289e-02],  
 [1.8480e+01, 4.2985e-02, 1.1340e+00],  
 [1.0368e-01, 6.8793e-06, 1.3249e-02],  
 [1.4323e+01, 1.1233e-02, 1.4225e+00],  
 [3.1978e+00, 1.0120e-04, 1.6829e-01],  
 [5.8184e-03, 6.1460e-08, 9.1716e-04],  
 [9.2057e+01, 1.7250e+00, 2.1941e+00],  
 [6.3550e+01, 1.2003e-01, 1.9631e+00],  
 [1.0353e+01, 3.7855e-02, 4.6277e-01],  
 [1.7802e+01, 5.9588e-02, 1.4444e+00],  
 [2.0563e+00, 4.5677e-04, 1.5098e-01],  
 [9.9780e+00, 1.3063e-02, 1.0563e+00],  
 [2.9775e-01, 3.7482e-05, 3.6713e-02],



[3.1792e+01, 2.5136e-01, 1.1578e+00],  
 [3.5736e-01, 3.6048e-05, 3.3012e-02],  
 [1.3144e+01, 1.5960e-02, 6.6975e-01],  
 [4.7472e+01, 3.3761e-01, 2.0718e+00],  
 [8.6245e+00, 2.9451e-02, 5.2851e-01],  
 [1.6432e+02, 4.8136e+00, 3.9267e+00],  
 [2.6124e+01, 1.1831e-01, 2.1725e+00],  
 [1.3215e-01, 2.2939e-06, 1.6661e-02],  
 [3.5272e+00, 1.8083e-03, 2.7559e-01],  
 [1.7390e-02, 8.3157e-08, 2.6014e-03],  
 [2.3208e+02, 7.1560e+00, 3.7265e+00],  
 [1.3687e+00, 5.5335e-04, 1.7301e-01],  
 [1.3888e+01, 2.8673e-02, 5.6265e-01],  
 [1.5529e+01, 5.1962e-02, 5.8089e-01],  
 [8.7885e+00, 1.4458e-02, 4.6932e-01],  
 [2.6295e+00, 2.6836e-04, 1.4978e-01],  
 [1.5505e+01, 2.0533e-02, 1.3156e+00],  
 [2.8170e+00, 2.3446e-03, 2.1424e-01],  
 [5.0657e+00, 5.6824e-03, 4.7520e-01],  
 [5.9814e+01, 4.7724e-01, 1.0897e+00],  
 [5.0228e+01, 4.7931e-01, 1.4959e+00],  
 [2.0197e+01, 1.0004e-01, 9.3659e-01],  
 [6.9543e+01, 4.2046e-01, 1.9148e+00],  
 [1.1858e+02, 2.2864e+00, 3.3152e+00],  
 [1.1622e-01, 3.9481e-06, 1.4899e-02],  
 [1.4773e+02, 1.1455e+00, 4.2792e+00],  
 [9.4606e+00, 1.9000e-02, 4.7912e-01],  
 [6.7112e+01, 2.6909e-01, 2.0685e+00],  
 [1.4998e+02, 2.7058e+00, 4.1778e+00],  
 [1.6980e+01, 4.3135e-02, 6.8560e-01],  
 [2.6267e-01, 2.2897e-05, 3.2802e-02],  
 [1.9089e+01, 1.2347e-02, 6.8522e-01],  
 [3.1470e-02, 8.6798e-07, 4.3302e-03],  
 [2.3549e+01, 4.5245e-02, 6.4420e-01],  
 [5.7473e+00, 6.5096e-04, 3.1355e-01],  
 [1.4762e+00, 9.6254e-04, 1.0733e-01],  
 [7.4569e+01, 1.4072e-01, 1.9787e+00],  
 [2.1369e+01, 7.5419e-02, 1.4499e+00],  
 [2.5743e+01, 8.1232e-02, 1.1442e+00],  
 [6.7680e+00, 6.1533e-03, 3.2942e-01],  
 [3.2581e+02, 1.3308e+00, 5.0082e+00],  
 [3.8861e+00, 3.9414e-03, 2.0175e-01],  
 [9.7550e-02, 1.5839e-06, 1.3557e-02],  
 [8.2160e-02, 6.0864e-06, 1.0621e-02],  
 [9.5962e+00, 1.2938e-02, 7.0397e-01],  
 [5.8448e-01, 1.8670e-04, 5.2122e-02],  
 [4.0382e-02, 9.2459e-08, 5.6228e-03],  
 [4.8384e-02, 7.1968e-07, 6.4891e-03],

```

[8.7710e+01, 4.3734e-01, 2.3175e+00],
[4.4065e+00, 3.5297e-03, 3.0908e-01],
[1.9680e+01, 1.2104e-01, 8.5879e-01],
[7.9656e-03, 3.5197e-08, 1.2720e-03],
[5.2407e-02, 4.6068e-06, 7.9585e-03],
[2.0427e-01, 6.6221e-06, 2.0189e-02],
[2.3730e-02, 2.5032e-07, 3.3839e-03],
[2.2962e+00, 2.6562e-03, 2.7509e-01],
[1.3218e-01, 5.9683e-06, 1.7385e-02],
[1.2469e+01, 1.2852e-02, 1.3476e+00],
[2.2794e+01, 5.9937e-02, 9.5911e-01],
[1.2262e+00, 6.5657e-04, 1.5202e-01],
[4.2467e-02, 8.1943e-07, 6.4563e-03],
[1.1033e+00, 6.1360e-05, 7.9309e-02],
[5.0944e+01, 1.5261e-01, 2.1657e+00],
[5.9177e-03, 7.0692e-09, 9.3659e-04],
[1.0128e+00, 2.6896e-04, 9.5744e-02],
[1.4092e+02, 2.2267e+00, 3.2887e+00],
[1.7414e+00, 8.2426e-04, 1.6393e-01],
[8.7040e+00, 2.4069e-02, 5.8193e-01]], dtype=torch.float64)
Iteration: 67
Inputs: tensor([[8.0125e+18, 4.0817e+02, 3.9050e+00, 4.9355e+00],
[2.5044e+19, 9.4131e+01, 1.1048e+01, 4.0326e+00],
[2.2285e+19, 6.2360e+01, 1.6376e+00, 3.6717e+00],
...,
[2.5898e+19, 1.3991e+02, 7.1800e+00, 1.5660e+00],
[5.3788e+20, 4.8107e+01, 1.9748e+01, 1.5068e+00],
[2.8688e+18, 4.6064e+02, 1.6831e+01, 4.0171e+00]], dtype=torch.float64)
Target: tensor([[4.9436e+00, 1.3371e-03, 2.3569e-01],
[1.3109e+00, 4.8749e-04, 1.4715e-01],
[2.5020e+00, 4.0996e-04, 2.3171e-01],
[4.3881e+01, 2.8015e-02, 2.0588e+00],
[6.6287e-02, 2.1525e-06, 9.7989e-03],
[1.3663e+00, 1.0529e-03, 1.1365e-01],
[4.7627e-01, 1.2384e-04, 5.0453e-02],
[2.6920e+01, 1.3748e-02, 1.7136e+00],
[1.7885e+00, 6.5758e-04, 1.6905e-01],
[8.0229e+01, 9.7893e-01, 3.5281e+00],
[6.4063e+01, 6.0834e-01, 2.6209e+00],
[6.9691e+00, 5.2874e-03, 6.6023e-01],
[5.5312e+01, 2.3832e-01, 3.0983e+00],
[1.1943e+02, 1.9699e+00, 2.8651e+00],
[2.9136e+01, 1.9747e-01, 9.5429e-01],
[5.4681e-01, 2.5744e-05, 4.8581e-02],
[2.1540e-01, 7.7937e-06, 2.9079e-02],
[2.1416e+00, 1.4283e-03, 1.7040e-01],
[6.5110e+01, 1.1030e+00, 1.8477e+00],
[9.7235e-01, 1.5605e-04, 7.0800e-02],

```

[1.9596e+01, 4.0901e-02, 9.8441e-01],  
 [6.5924e-01, 8.0321e-05, 7.2790e-02],  
 [5.2147e-02, 1.4991e-06, 6.9239e-03],  
 [2.5852e+01, 7.8768e-02, 7.9870e-01],  
 [1.9609e+00, 1.6086e-03, 1.5741e-01],  
 [1.4868e+00, 2.7743e-04, 1.9031e-01],  
 [1.0095e+01, 8.5306e-03, 9.4334e-01],  
 [5.4733e+00, 2.7394e-03, 2.9766e-01],  
 [8.8723e+00, 1.4291e-02, 4.4728e-01],  
 [2.6143e+01, 6.2737e-02, 1.8193e+00],  
 [5.8928e+01, 1.8397e-01, 1.7453e+00],  
 [3.6625e+01, 2.3058e-01, 9.3554e-01],  
 [3.8890e-01, 8.2307e-05, 3.6321e-02],  
 [2.4681e+01, 8.8549e-02, 9.1676e-01],  
 [1.7060e-01, 9.3608e-06, 1.9516e-02],  
 [2.8640e+01, 2.0184e-01, 1.0618e+00],  
 [6.8710e-02, 3.6451e-06, 8.8697e-03],  
 [1.8907e+01, 2.0261e-01, 1.7950e+00],  
 [4.2719e+00, 3.4091e-03, 2.5386e-01],  
 [5.6312e-01, 1.5257e-04, 5.5240e-02],  
 [2.6616e+01, 1.6065e-01, 1.1511e+00],  
 [4.1787e-01, 5.4547e-05, 4.6732e-02],  
 [1.2275e+02, 1.6724e-01, 3.2123e+00],  
 [5.4928e+00, 2.0014e-03, 5.0733e-01],  
 [1.0986e+02, 1.6384e+00, 2.9025e+00],  
 [9.3081e+01, 4.9040e-01, 3.3675e+00],  
 [5.5765e-01, 3.7477e-05, 4.1577e-02],  
 [8.6369e-02, 6.8453e-06, 1.2164e-02],  
 [3.7321e-01, 1.1212e-05, 3.4707e-02],  
 [1.9888e+01, 7.0668e-02, 7.7509e-01],  
 [8.3806e+01, 1.5949e+00, 1.8488e+00],  
 [2.2475e-01, 1.3647e-05, 3.0264e-02],  
 [2.9651e-01, 4.5568e-05, 4.0459e-02],  
 [2.4786e+01, 8.1206e-02, 1.0656e+00],  
 [1.2437e+01, 5.9780e-03, 4.8826e-01],  
 [4.3573e+01, 3.7011e-01, 2.8628e+00],  
 [8.4169e+01, 1.8597e+00, 3.2965e+00],  
 [6.9261e-03, 3.2003e-08, 1.0856e-03],  
 [2.6132e+01, 8.7556e-02, 1.4053e+00],  
 [3.3474e+01, 1.4539e-01, 1.9295e+00],  
 [6.1987e+00, 6.9781e-03, 2.6463e-01],  
 [1.1579e+02, 1.0611e+00, 1.9831e+00],  
 [2.2161e-01, 7.9899e-06, 2.7899e-02],  
 [1.4499e+01, 6.6765e-02, 1.1203e+00],  
 [1.0945e+00, 7.6489e-05, 7.5152e-02],  
 [1.8298e+02, 9.3057e-01, 3.1249e+00],  
 [6.3380e+01, 2.0971e-01, 2.7891e+00],  
 [2.9630e+00, 1.9928e-04, 1.5966e-01],

[2.0021e-03, 8.0274e-10, 3.1991e-04],  
 [3.0109e+01, 7.0637e-02, 1.4886e+00],  
 [4.6485e+00, 1.7615e-02, 5.3354e-01],  
 [1.5648e+00, 1.7287e-04, 1.3405e-01],  
 [1.4331e+01, 4.8143e-03, 6.2676e-01],  
 [5.1572e-01, 3.5239e-06, 5.4891e-02],  
 [2.4173e+01, 4.9646e-02, 7.3431e-01],  
 [5.6367e-01, 1.0360e-04, 5.8293e-02],  
 [1.2676e+01, 1.1600e-02, 4.0848e-01],  
 [8.8309e-01, 1.5648e-04, 7.8564e-02],  
 [1.6684e+02, 3.2146e+00, 4.4440e+00],  
 [5.8275e+01, 4.5731e-01, 1.4622e+00],  
 [5.2165e+00, 5.4552e-03, 2.6256e-01],  
 [2.2543e+01, 8.0139e-03, 1.4220e+00],  
 [9.0743e+00, 7.9502e-03, 6.5332e-01],  
 [9.7023e-01, 1.4775e-04, 1.0971e-01],  
 [1.2082e+02, 2.7958e+00, 3.1766e+00],  
 [1.1953e+00, 7.2308e-04, 1.2570e-01],  
 [9.2457e+00, 5.5271e-03, 6.8629e-01],  
 [1.1238e-01, 1.7030e-06, 1.4158e-02],  
 [4.6521e-02, 1.3469e-06, 6.0806e-03],  
 [7.5867e+00, 7.1683e-03, 6.9981e-01],  
 [3.0175e-01, 6.8756e-05, 3.1180e-02],  
 [5.6958e+01, 7.9069e-02, 1.4339e+00],  
 [5.7471e-02, 2.8740e-06, 7.2708e-03],  
 [1.6016e+01, 2.9240e-03, 8.0840e-01],  
 [1.1308e+01, 1.5337e-02, 1.0171e+00],  
 [1.1510e+00, 8.4483e-05, 8.9421e-02],  
 [6.8178e+01, 7.1540e-02, 2.0045e+00],  
 [7.5838e+00, 9.0637e-03, 6.3571e-01],  
 [3.8403e+00, 1.8628e-04, 1.7572e-01],  
 [6.8903e+00, 5.6234e-03, 2.5491e-01],  
 [2.1157e+00, 3.3648e-04, 1.9177e-01],  
 [1.4586e+00, 3.0213e-04, 1.0700e-01],  
 [5.7166e-02, 1.4112e-06, 8.9196e-03],  
 [1.1361e-01, 9.0026e-06, 1.6669e-02],  
 [6.7305e+00, 1.2655e-02, 3.6287e-01],  
 [1.3616e+02, 9.0530e-01, 4.2773e+00],  
 [3.5362e+00, 9.1973e-04, 2.6321e-01],  
 [6.8417e-02, 2.6929e-06, 9.1225e-03],  
 [2.6366e+01, 5.7521e-02, 1.8445e+00],  
 [1.3304e+02, 3.5249e+00, 4.3964e+00],  
 [1.0680e+00, 5.8514e-05, 8.2631e-02],  
 [1.2508e+00, 8.3370e-04, 1.0147e-01],  
 [4.7166e+00, 2.2676e-03, 3.4526e-01],  
 [4.2860e-01, 3.9720e-05, 4.5811e-02],  
 [1.9101e+00, 1.6661e-03, 1.5765e-01],  
 [2.9830e-01, 3.2763e-05, 3.3312e-02],

[2.6631e+01, 2.7292e-01, 1.9227e+00],  
 [2.2303e+01, 5.1403e-02, 9.2184e-01],  
 [3.9596e-02, 7.6511e-08, 5.9566e-03],  
 [8.9799e+01, 6.7147e-01, 2.8065e+00],  
 [5.1540e+00, 1.0212e-04, 2.9141e-01],  
 [3.9228e+00, 1.1437e-02, 3.6394e-01],  
 [6.5015e+01, 7.9252e-01, 2.2291e+00],  
 [5.3564e+01, 2.7245e-01, 1.3891e+00],  
 [8.9953e+00, 1.6963e-02, 4.6123e-01],  
 [1.0487e+01, 4.6411e-03, 4.3906e-01],  
 [1.2686e-02, 1.8788e-07, 2.0097e-03],  
 [4.2524e+01, 5.2987e-02, 1.3099e+00],  
 [7.5740e+00, 5.5713e-03, 5.5899e-01],  
 [4.1845e-01, 2.8514e-05, 4.5971e-02],  
 [1.5697e+00, 8.4168e-04, 1.3548e-01],  
 [1.9977e-01, 3.5789e-05, 2.1948e-02],  
 [2.0001e+02, 4.1848e+00, 3.4994e+00],  
 [1.0987e+01, 5.0888e-02, 6.5657e-01],  
 [9.2425e+01, 2.1488e-01, 3.3138e+00],  
 [5.0051e+01, 6.3039e-01, 1.6314e+00],  
 [4.1422e+01, 2.7140e-01, 1.4059e+00],  
 [5.3743e+01, 5.8183e-01, 1.5467e+00],  
 [9.2341e-02, 7.4646e-07, 1.1542e-02],  
 [9.2020e-01, 2.1661e-04, 9.5010e-02],  
 [1.4312e+02, 4.6260e+00, 4.5786e+00],  
 [3.1816e+00, 2.9445e-04, 2.1997e-01],  
 [7.6053e+01, 3.9253e-02, 2.9448e+00],  
 [1.3392e-01, 1.6491e-07, 1.4685e-02],  
 [1.3148e+00, 5.0214e-04, 1.3535e-01],  
 [2.2578e+01, 9.3620e-02, 1.0431e+00],  
 [2.5911e+01, 2.7060e-02, 1.5942e+00],  
 [2.1103e-01, 4.1901e-05, 2.6128e-02],  
 [7.6839e-01, 7.1014e-05, 8.8840e-02],  
 [3.9840e+01, 2.9349e-01, 2.6940e+00],  
 [1.8018e-01, 2.1757e-05, 2.6012e-02],  
 [1.6016e+00, 1.1311e-03, 1.2251e-01],  
 [7.3888e+01, 5.4620e-01, 1.9389e+00],  
 [1.8891e+01, 3.1733e-02, 1.0802e+00],  
 [3.0140e+01, 1.2646e-01, 1.8473e+00],  
 [9.3373e+00, 8.4392e-03, 7.1651e-01],  
 [2.0117e+00, 2.3938e-03, 1.6930e-01],  
 [1.1477e+02, 1.4885e+00, 2.6608e+00],  
 [1.1773e+00, 1.6054e-04, 9.6265e-02],  
 [1.0251e+02, 2.1651e+00, 3.0711e+00],  
 [1.2219e+00, 1.0421e-04, 1.3033e-01],  
 [1.8289e+00, 9.3599e-04, 1.9320e-01],  
 [4.9571e+00, 2.1772e-03, 1.9182e-01],  
 [6.2158e-01, 1.0673e-04, 6.3023e-02],

[1.9139e+00, 8.3432e-04, 2.6089e-01],  
 [8.0332e+00, 5.4028e-03, 5.0332e-01],  
 [2.5439e+01, 1.7188e-01, 1.3759e+00],  
 [1.8690e+00, 5.0857e-04, 2.3171e-01],  
 [1.1595e+02, 1.1514e+00, 2.6833e+00],  
 [1.8242e-02, 1.3091e-07, 2.6233e-03],  
 [1.6617e+01, 2.8480e-02, 5.8261e-01],  
 [9.4431e+01, 2.3242e+00, 2.5508e+00],  
 [2.0704e+01, 6.9581e-02, 7.9160e-01],  
 [5.1274e-01, 1.7167e-05, 4.9700e-02],  
 [2.8450e+01, 9.5085e-03, 8.1841e-01],  
 [1.2334e+02, 1.9012e+00, 3.7095e+00],  
 [1.7831e+01, 2.6057e-02, 1.1018e+00],  
 [2.6773e+00, 1.8778e-03, 3.1694e-01],  
 [8.2192e-01, 3.7967e-04, 9.7118e-02],  
 [1.4965e+00, 1.1213e-03, 1.4297e-01],  
 [2.2309e+01, 2.0582e-01, 1.2580e+00],  
 [2.1204e+01, 2.1138e-02, 1.0257e+00],  
 [5.2983e+00, 3.8100e-03, 4.4431e-01],  
 [7.7046e-02, 6.6656e-06, 9.5444e-03],  
 [2.3911e-01, 8.8814e-06, 2.3347e-02],  
 [9.2500e-02, 5.7900e-07, 1.0989e-02],  
 [1.8657e+02, 1.0029e+01, 4.8331e+00],  
 [1.7277e+02, 2.3752e+00, 3.0047e+00],  
 [2.9732e+00, 2.0983e-03, 2.0106e-01],  
 [3.6680e+00, 2.0713e-03, 2.7104e-01],  
 [3.7228e-02, 1.4072e-06, 5.3941e-03],  
 [3.2769e+00, 3.4682e-03, 2.8935e-01],  
 [9.9428e+01, 1.2885e+00, 3.6464e+00],  
 [5.8493e+00, 3.8573e-03, 3.9028e-01],  
 [1.3185e+00, 8.8577e-04, 1.4760e-01],  
 [1.0443e-02, 7.3588e-08, 1.6364e-03],  
 [2.8421e-01, 1.8184e-05, 2.6780e-02],  
 [3.1022e+00, 1.3675e-03, 2.3849e-01],  
 [7.4296e+00, 1.8571e-02, 4.1029e-01],  
 [4.5131e+00, 2.2882e-04, 3.0336e-01],  
 [4.7275e-01, 5.2968e-05, 5.9092e-02],  
 [1.8626e+02, 7.1999e+00, 4.5188e+00],  
 [1.7599e+00, 2.4741e-04, 1.4874e-01],  
 [1.4321e+02, 4.3270e+00, 3.8144e+00],  
 [2.8841e+00, 2.7156e-03, 3.9127e-01],  
 [3.6842e+01, 2.6939e-01, 2.7594e+00],  
 [2.6325e-01, 2.0729e-05, 3.1090e-02],  
 [4.3531e-03, 2.1991e-08, 6.8155e-04],  
 [1.3433e+01, 1.0766e-02, 1.0240e+00],  
 [3.0535e-01, 3.5955e-05, 3.9471e-02],  
 [5.3976e+01, 3.3361e-02, 2.0809e+00],  
 [2.3314e+01, 2.0161e-02, 9.3512e-01],

[6.0387e+01, 5.0940e-01, 2.2993e+00],  
 [4.3284e+01, 2.2854e-01, 2.9091e+00],  
 [5.5092e+01, 5.9579e-02, 1.2038e+00],  
 [7.7730e+01, 1.2389e-01, 2.7004e+00],  
 [3.6667e+00, 1.2675e-03, 2.5463e-01],  
 [1.9273e+01, 5.3439e-02, 1.5683e+00],  
 [2.9754e+01, 2.7442e-01, 1.1896e+00],  
 [2.4594e+00, 2.2636e-03, 2.4170e-01],  
 [2.0490e+01, 4.7073e-02, 1.0476e+00],  
 [4.5240e+00, 7.4415e-03, 2.9442e-01],  
 [6.5560e+00, 3.0889e-02, 6.2963e-01],  
 [5.8498e+01, 8.4875e-02, 2.0252e+00],  
 [2.0286e-02, 4.6453e-08, 2.9946e-03],  
 [2.6284e+01, 8.7234e-02, 6.8599e-01],  
 [4.1706e-01, 1.2381e-04, 4.8586e-02],  
 [1.9921e-01, 2.7918e-05, 2.3304e-02],  
 [3.1097e+01, 7.5855e-02, 9.4357e-01],  
 [9.4168e+01, 1.0333e+00, 1.7239e+00],  
 [5.7549e-01, 2.2169e-05, 6.9167e-02],  
 [2.0209e+01, 1.0826e-01, 8.3354e-01],  
 [3.7887e-01, 5.5762e-05, 4.7081e-02],  
 [4.4618e+01, 7.1759e-01, 1.4770e+00],  
 [1.2612e+00, 6.0007e-04, 1.1365e-01],  
 [6.1704e+00, 1.3033e-03, 4.2692e-01],  
 [2.2733e+01, 1.5242e-01, 1.0528e+00],  
 [8.6245e+01, 7.5176e-01, 3.8854e+00],  
 [2.0325e+01, 5.9923e-02, 9.1925e-01],  
 [9.1366e-02, 3.0012e-06, 1.0902e-02],  
 [4.8508e-02, 1.5063e-07, 7.3318e-03],  
 [3.0461e-01, 3.9063e-05, 2.9674e-02],  
 [1.3729e+02, 3.3737e-01, 4.2280e+00],  
 [7.5193e-02, 2.4819e-06, 9.8695e-03],  
 [1.6105e+02, 1.5462e+00, 2.9280e+00],  
 [1.1120e-02, 5.9507e-08, 1.6610e-03],  
 [5.9497e-01, 1.3791e-04, 7.5775e-02],  
 [9.4925e+01, 5.5580e-01, 2.7761e+00],  
 [2.8116e+00, 2.0972e-03, 2.4729e-01],  
 [6.9789e+00, 3.2553e-03, 6.1901e-01],  
 [2.1383e+00, 2.0775e-04, 1.6776e-01],  
 [2.1813e+00, 4.6126e-05, 1.4701e-01],  
 [4.4674e+00, 2.6744e-03, 1.9810e-01],  
 [2.8620e-04, 8.4196e-12, 4.6894e-05],  
 [4.5412e-01, 3.8577e-05, 3.5427e-02],  
 [5.1957e+01, 3.0778e-01, 9.5815e-01],  
 [3.1225e-02, 5.0697e-07, 4.4663e-03],  
 [2.1376e+02, 2.6099e+00, 4.1574e+00],  
 [3.3292e+01, 7.1613e-02, 2.5733e+00],  
 [2.2704e+00, 6.0732e-03, 2.9012e-01],

[2.0033e-01, 2.9743e-05, 2.1935e-02],  
 [1.9440e+01, 3.2652e-02, 6.4232e-01],  
 [3.3944e+01, 3.0699e-01, 9.7443e-01],  
 [9.9803e+01, 1.6391e-01, 1.8502e+00],  
 [1.8235e+01, 4.6304e-02, 8.9569e-01],  
 [1.7326e+01, 2.0310e-02, 7.3845e-01],  
 [1.0458e+01, 9.3402e-04, 4.1985e-01],  
 [4.5747e+01, 8.8017e-01, 2.4916e+00],  
 [4.5548e+01, 4.2972e-02, 1.1309e+00],  
 [1.6269e+01, 1.2172e-02, 9.6290e-01],  
 [7.8763e+01, 1.0075e+00, 2.0250e+00],  
 [6.2616e+01, 7.6285e-01, 2.9644e+00],  
 [1.7596e+02, 6.4635e+00, 4.7436e+00],  
 [4.9937e+01, 3.1191e-01, 1.1774e+00],  
 [1.2434e+02, 7.1003e-01, 3.0378e+00],  
 [7.8754e-01, 5.6890e-05, 7.3813e-02],  
 [6.8197e+00, 4.8464e-04, 2.7440e-01],  
 [6.6787e+01, 9.5441e-01, 3.7271e+00],  
 [1.0938e-01, 3.6922e-06, 1.5266e-02],  
 [5.9873e-02, 2.8373e-06, 8.1003e-03],  
 [2.1524e-02, 1.8302e-08, 3.3130e-03],  
 [1.8452e+01, 1.4568e-02, 7.6789e-01],  
 [7.1364e+01, 5.1933e-01, 2.2826e+00],  
 [5.5526e-01, 2.7315e-05, 5.9910e-02],  
 [2.5611e+01, 1.8621e-02, 1.3527e+00],  
 [1.0257e+02, 1.7161e+00, 4.1917e+00],  
 [8.6224e-01, 7.3410e-05, 9.4613e-02],  
 [3.1460e-02, 1.5985e-07, 4.3668e-03],  
 [9.7387e+00, 7.0584e-03, 4.2580e-01],  
 [2.4920e-01, 2.5812e-05, 2.7317e-02],  
 [9.6101e+00, 5.8932e-03, 7.1454e-01],  
 [5.7935e+00, 6.0765e-03, 4.9999e-01],  
 [9.0036e-01, 1.4676e-04, 9.2319e-02],  
 [3.8583e-01, 2.7568e-05, 4.4634e-02],  
 [1.7241e+00, 8.3233e-04, 1.2030e-01],  
 [7.6682e+00, 1.0904e-02, 8.0855e-01],  
 [5.9604e-01, 6.2371e-06, 4.1393e-02],  
 [9.4542e+01, 4.2112e-01, 1.8351e+00],  
 [5.1822e-01, 1.0371e-04, 6.3859e-02],  
 [1.9216e-02, 5.0142e-07, 2.9623e-03],  
 [1.3305e-01, 1.2161e-05, 1.4327e-02],  
 [5.9357e+01, 3.5331e-01, 1.0712e+00],  
 [1.9389e+02, 6.4640e-01, 3.6904e+00],  
 [1.0199e+02, 2.4441e+00, 2.9080e+00],  
 [1.0707e+01, 2.8128e-02, 4.1135e-01],  
 [9.8753e-01, 2.6322e-04, 8.4701e-02],  
 [8.8006e-03, 2.0530e-08, 1.3356e-03],  
 [4.0936e-02, 6.9826e-07, 5.8087e-03],



```

[6.5643e-01, 5.0347e-05, 6.8371e-02],
[8.2491e+01, 2.1467e+00, 2.4834e+00],
[4.5856e-01, 4.1899e-05, 4.8455e-02],
[8.9449e-01, 8.8485e-05, 5.8940e-02],
[2.4017e+01, 9.5108e-02, 1.6387e+00],
[6.5942e+00, 2.7686e-02, 6.6372e-01],
[6.7144e+00, 3.8995e-03, 5.3570e-01],
[2.4170e-01, 1.9029e-05, 2.7526e-02],
[1.1072e+02, 2.3188e+00, 3.0099e+00],
[1.3860e+00, 1.2121e-04, 1.5442e-01],
[1.1242e+00, 3.4901e-04, 1.6249e-01],
[3.6012e-01, 3.2776e-05, 3.7817e-02]], dtype=torch.float64)
Iteration: 68
Inputs: tensor([[4.2595e+20, 1.3075e+02, 1.8774e+00, 8.6389e+00],
[2.4085e+19, 3.9233e+01, 1.3389e+01, 7.6169e+00],
[2.0438e+20, 4.8260e+02, 8.0977e+00, 3.3764e+00],
...,
[5.1429e+19, 3.9304e+02, 2.2880e+00, 9.9278e+00],
[6.1872e+20, 4.4909e+01, 3.6119e+00, 5.3152e+00],
[1.3752e+19, 1.7723e+02, 1.8143e+01, 9.1819e+00]], dtype=torch.float64)
Target: tensor([[1.0156e+02, 1.1802e+00, 3.0735e+00],
[4.3013e-01, 1.9833e-04, 5.7540e-02],
[7.5664e+01, 2.6635e-01, 2.0986e+00],
[2.6265e+00, 1.0099e-03, 2.7052e-01],
[4.2003e+00, 4.1027e-03, 3.0251e-01],
[9.2812e+00, 1.0906e-02, 5.7774e-01],
[4.7684e+01, 2.2055e-01, 2.1059e+00],
[1.6228e+02, 9.5984e-01, 3.7513e+00],
[2.1186e+01, 6.3267e-02, 1.2157e+00],
[4.8986e+01, 2.6286e-01, 2.2799e+00],
[3.2187e-03, 1.9467e-09, 5.0412e-04],
[1.7027e+02, 2.1992e+00, 3.1072e+00],
[8.6044e-01, 7.4875e-05, 5.3169e-02],
[6.4113e+01, 9.9742e-03, 1.3223e+00],
[7.0305e-01, 7.4736e-05, 8.6433e-02],
[7.9534e+01, 4.5321e-01, 3.1430e+00],
[1.6952e+02, 9.0788e-01, 3.7797e+00],
[6.4838e-01, 9.5917e-05, 6.0516e-02],
[1.1845e-02, 1.2157e-08, 1.8130e-03],
[7.3346e-03, 5.4440e-08, 1.1150e-03],
[1.1097e+02, 1.5486e+00, 2.4237e+00],
[1.6464e-01, 2.2217e-05, 1.7929e-02],
[4.8021e-01, 6.0451e-05, 5.1776e-02],
[1.5048e+02, 8.3712e-01, 3.7889e+00],
[2.9236e-01, 4.5062e-05, 2.9033e-02],
[6.2419e+01, 3.6168e-01, 2.3791e+00],
[4.1596e+01, 9.0160e-02, 1.5230e+00],
[6.0333e-01, 4.1578e-05, 5.1095e-02],

```

[1.8324e+02, 5.0117e+00, 4.7230e+00],  
[1.3511e+02, 1.7897e+00, 3.0294e+00],  
[1.0500e+00, 3.6530e-04, 7.8478e-02],  
[1.7837e-01, 1.3301e-05, 2.2673e-02],  
[8.7755e+00, 2.6721e-02, 5.3591e-01],  
[1.3643e+00, 2.7325e-04, 1.5764e-01],  
[6.1878e+01, 1.9712e-01, 2.6093e+00],  
[5.6008e+00, 5.9369e-03, 3.9603e-01],  
[2.2467e-01, 4.1301e-05, 2.7146e-02],  
[2.2667e+00, 1.2879e-03, 1.7533e-01],  
[7.0894e+00, 2.0570e-03, 2.8016e-01],  
[1.6815e-01, 1.5102e-05, 2.1263e-02],  
[2.3857e+00, 5.4988e-04, 1.0608e-01],  
[6.4630e+01, 7.8635e-01, 3.1182e+00],  
[8.7522e+01, 1.5946e+00, 4.1239e+00],  
[1.0326e+02, 9.0454e-01, 2.1524e+00],  
[3.7329e+00, 3.0935e-03, 1.8679e-01],  
[4.5208e+01, 9.7387e-02, 1.3875e+00],  
[1.6218e-01, 3.5403e-06, 2.0565e-02],  
[2.0113e+01, 1.0302e-01, 1.3114e+00],  
[1.6981e+02, 6.4578e+00, 4.3574e+00],  
[4.5246e+01, 1.9893e-01, 1.3856e+00],  
[1.4636e-01, 3.6645e-06, 1.9360e-02],  
[8.0778e+00, 7.0263e-03, 3.3006e-01],  
[1.4676e-01, 1.4390e-05, 2.0958e-02],  
[4.7300e+00, 6.9787e-04, 4.3928e-01],  
[2.9356e+01, 2.7582e-01, 1.8045e+00],  
[2.0714e+01, 1.6199e-01, 1.0300e+00],  
[3.7999e+01, 2.2175e-01, 1.1151e+00],  
[2.8012e+00, 2.1058e-03, 3.6990e-01],  
[4.3010e+01, 5.0008e-01, 1.4119e+00],  
[4.5921e+01, 5.8147e-02, 1.5095e+00],  
[1.2276e-01, 1.6655e-05, 1.5807e-02],  
[6.1955e-01, 1.1289e-04, 6.9263e-02],  
[3.0903e+01, 1.8190e-01, 2.4719e+00],  
[4.7175e-01, 1.9038e-04, 5.3793e-02],  
[9.5768e-01, 2.1425e-04, 8.6755e-02],  
[4.4926e-02, 1.3836e-06, 6.2585e-03],  
[8.7233e-01, 1.2526e-04, 9.7515e-02],  
[1.0091e+02, 1.0353e-01, 3.9100e+00],  
[1.7236e+01, 1.5488e-02, 9.1994e-01],  
[3.1565e+00, 1.4929e-03, 2.6772e-01],  
[8.2277e-01, 1.3368e-05, 7.0730e-02],  
[3.8674e-01, 1.5848e-05, 3.5236e-02],  
[4.6151e-01, 1.3867e-04, 5.2104e-02],  
[1.9479e+01, 5.7194e-02, 1.4115e+00],  
[1.3148e-01, 1.2939e-05, 1.9152e-02],  
[5.3887e+01, 1.2009e-01, 1.4257e+00],

[6.8403e+01, 1.8241e-01, 3.2660e+00],  
 [1.7921e+01, 5.0004e-02, 1.1772e+00],  
 [6.1644e+01, 3.2362e-02, 2.3933e+00],  
 [1.4651e-01, 2.2632e-06, 2.0197e-02],  
 [8.0098e-03, 1.8676e-08, 1.2648e-03],  
 [9.6231e+01, 3.8989e-01, 3.5044e+00],  
 [3.0618e-01, 4.6283e-05, 3.4663e-02],  
 [1.1604e-03, 4.5834e-10, 1.8889e-04],  
 [2.0616e+00, 1.2845e-03, 2.7474e-01],  
 [6.4869e+00, 3.4974e-03, 5.4880e-01],  
 [6.3152e-03, 1.3783e-08, 1.0127e-03],  
 [4.9208e+01, 8.3107e-01, 3.0630e+00],  
 [3.8950e+00, 7.7599e-03, 3.1391e-01],  
 [7.2275e+01, 5.3296e-01, 1.8182e+00],  
 [2.8391e+00, 3.5313e-03, 2.1068e-01],  
 [4.1973e+01, 8.8773e-02, 1.0915e+00],  
 [1.4633e+01, 4.4318e-02, 1.1175e+00],  
 [1.9947e+00, 2.5449e-04, 1.5526e-01],  
 [4.2355e+01, 4.3076e-02, 9.3553e-01],  
 [7.5645e+01, 1.0141e+00, 2.0106e+00],  
 [6.7676e+01, 5.3458e-01, 2.5918e+00],  
 [6.8684e+00, 1.7264e-02, 6.0938e-01],  
 [7.9871e-01, 1.5210e-04, 5.6883e-02],  
 [8.9305e-02, 1.9793e-06, 1.1776e-02],  
 [1.0465e+02, 2.3607e+00, 2.4239e+00],  
 [1.1828e+00, 2.0331e-04, 1.0318e-01],  
 [2.0412e+02, 1.5204e+00, 4.9185e+00],  
 [2.8021e+00, 1.7294e-03, 2.0597e-01],  
 [4.5192e-02, 5.1727e-07, 5.9016e-03],  
 [1.4186e+00, 5.1817e-04, 1.5509e-01],  
 [4.0599e+01, 4.3417e-01, 2.2638e+00],  
 [8.9743e+01, 1.7755e+00, 4.1115e+00],  
 [8.5675e+00, 1.5259e-02, 6.5222e-01],  
 [2.5280e+00, 1.0010e-03, 1.6055e-01],  
 [1.6195e+01, 4.0310e-02, 1.6294e+00],  
 [1.8347e+00, 6.0762e-04, 2.1713e-01],  
 [3.5325e+01, 3.6098e-01, 1.3797e+00],  
 [1.1122e+01, 2.0521e-02, 9.1573e-01],  
 [1.2109e+01, 2.6091e-02, 1.0324e+00],  
 [2.0719e+00, 3.4514e-04, 1.7441e-01],  
 [2.7067e+00, 7.2832e-04, 1.6770e-01],  
 [2.1070e+01, 8.9100e-02, 9.6496e-01],  
 [1.3750e+01, 6.2687e-02, 1.2954e+00],  
 [3.4276e+00, 7.1494e-04, 2.1672e-01],  
 [2.2122e+01, 2.1211e-01, 1.3881e+00],  
 [3.7393e+00, 2.5868e-03, 2.2811e-01],  
 [2.6615e+01, 1.9021e-01, 1.3878e+00],  
 [3.8215e-03, 2.7663e-08, 6.0675e-04],

[2.5309e+00, 3.9439e-04, 1.2633e-01],  
[3.6440e+01, 3.4293e-01, 1.0023e+00],  
[1.7372e-01, 2.2855e-05, 1.9467e-02],  
[3.6646e-01, 5.9694e-05, 4.1598e-02],  
[2.0889e+01, 1.0493e-01, 1.4411e+00],  
[2.6437e+00, 1.3117e-03, 1.9969e-01],  
[8.3021e+00, 3.0974e-02, 6.7313e-01],  
[1.7225e+02, 2.9027e-01, 2.7923e+00],  
[4.1025e+01, 1.1566e-01, 2.2511e+00],  
[2.9166e+00, 1.0043e-03, 3.3622e-01],  
[9.2923e+00, 2.1481e-03, 3.5451e-01],  
[3.6525e+01, 1.0676e-01, 8.3388e-01],  
[5.7898e-01, 3.1048e-05, 4.7416e-02],  
[2.6510e+01, 1.4932e-01, 1.0116e+00],  
[9.7723e+01, 1.0817e-01, 2.6739e+00],  
[2.2248e-01, 3.3519e-06, 2.6975e-02],  
[1.5869e+01, 1.0504e-01, 1.0035e+00],  
[9.3699e+01, 1.3277e+00, 2.8503e+00],  
[1.8754e+02, 6.3687e+00, 4.6502e+00],  
[2.7623e-01, 4.8957e-06, 3.4015e-02],  
[4.7329e-01, 2.6703e-05, 5.9955e-02],  
[7.0692e+00, 8.8152e-03, 7.0586e-01],  
[3.3938e-01, 4.4487e-05, 3.5880e-02],  
[1.6103e+02, 3.8754e+00, 4.3461e+00],  
[3.2919e-01, 1.0320e-04, 4.0661e-02],  
[8.4364e+00, 2.1875e-02, 5.1743e-01],  
[5.5622e+01, 5.4999e-02, 2.1451e+00],  
[1.5030e+01, 4.0537e-02, 1.1689e+00],  
[1.3547e+02, 2.7294e+00, 4.3733e+00],  
[1.6487e+00, 8.8012e-04, 1.4423e-01],  
[3.5230e+00, 1.1066e-03, 1.5233e-01],  
[2.1637e+01, 3.3030e-02, 1.3324e+00],  
[5.2315e+00, 1.1609e-03, 2.8318e-01],  
[1.3862e+01, 3.8124e-02, 5.9706e-01],  
[1.4665e+02, 1.5486e+00, 4.1599e+00],  
[1.6368e+00, 9.4933e-04, 1.4000e-01],  
[1.4283e+02, 6.1207e-01, 3.8223e+00],  
[9.0154e+01, 1.1740e-01, 2.6718e+00],  
[3.7034e-01, 7.3503e-05, 3.8697e-02],  
[8.4372e+01, 5.8270e-02, 3.0454e+00],  
[4.2074e-01, 1.3359e-04, 4.8241e-02],  
[1.6262e+00, 1.7713e-03, 1.7247e-01],  
[2.3533e+00, 1.1558e-03, 2.8442e-01],  
[6.0739e+00, 1.0684e-03, 3.7789e-01],  
[1.9022e-01, 1.6248e-05, 1.9070e-02],  
[1.2341e+02, 1.8198e+00, 3.1123e+00],  
[8.1756e+01, 1.4129e+00, 3.0222e+00],  
[1.5732e+02, 7.6201e+00, 4.6661e+00],

[5.2579e+01, 1.3763e-01, 3.3046e+00],  
 [1.4450e-01, 1.1490e-05, 1.6602e-02],  
 [9.7596e+00, 3.1794e-03, 8.9102e-01],  
 [2.0180e+01, 1.9976e-02, 6.6162e-01],  
 [2.5631e-02, 6.7040e-08, 3.9628e-03],  
 [8.5646e+01, 3.4582e-01, 2.3900e+00],  
 [8.4426e-03, 3.5323e-08, 1.2823e-03],  
 [7.9290e+01, 1.1358e-01, 2.7301e+00],  
 [2.7285e+00, 4.8978e-03, 2.3134e-01],  
 [4.2459e+00, 3.6159e-03, 5.3251e-01],  
 [2.9404e+00, 1.0551e-03, 3.4245e-01],  
 [2.2403e-01, 2.1518e-05, 2.3287e-02],  
 [1.4111e+02, 2.4803e-01, 2.7687e+00],  
 [6.4134e+00, 1.4661e-02, 4.5859e-01],  
 [2.3756e+02, 3.3686e+00, 4.6250e+00],  
 [1.1259e+02, 3.3718e+00, 2.9446e+00],  
 [1.1228e-01, 5.1233e-06, 1.3732e-02],  
 [3.9463e+00, 3.0147e-03, 2.0050e-01],  
 [1.1709e-01, 2.8091e-06, 1.7433e-02],  
 [9.2462e-01, 2.0531e-04, 7.1925e-02],  
 [2.6133e+01, 2.6762e-02, 6.7693e-01],  
 [2.0463e+01, 1.7189e-01, 1.1362e+00],  
 [2.7166e-02, 3.8414e-07, 3.8733e-03],  
 [1.0647e+00, 9.1414e-04, 1.3479e-01],  
 [2.8562e+01, 3.1181e-01, 9.2965e-01],  
 [9.8078e+00, 5.0880e-02, 8.3502e-01],  
 [8.7085e-01, 1.1129e-04, 7.1780e-02],  
 [1.6677e+00, 9.1024e-04, 1.5349e-01],  
 [9.0513e+01, 2.5788e-01, 4.1130e+00],  
 [8.3381e-02, 2.5997e-06, 1.2424e-02],  
 [1.1401e+01, 4.4718e-02, 9.8425e-01],  
 [3.2369e-01, 3.6982e-05, 2.9485e-02],  
 [7.3942e+00, 1.4486e-02, 8.1272e-01],  
 [1.6062e+00, 5.8998e-04, 1.4656e-01],  
 [1.9319e+01, 3.0903e-02, 7.1871e-01],  
 [6.6339e-01, 2.6926e-05, 5.8027e-02],  
 [4.7768e+00, 3.5025e-03, 2.6286e-01],  
 [7.4030e-02, 8.0370e-06, 1.0759e-02],  
 [1.4117e+01, 3.0730e-02, 5.2355e-01],  
 [7.1642e+01, 6.9823e-01, 1.6156e+00],  
 [2.7936e+00, 3.0699e-03, 2.2456e-01],  
 [1.8642e+02, 1.0056e+00, 3.2169e+00],  
 [1.3881e+01, 1.3928e-02, 5.5988e-01],  
 [3.2596e+01, 9.1044e-02, 1.6398e+00],  
 [2.8594e+00, 2.2330e-04, 1.9667e-01],  
 [1.5951e+01, 5.4622e-02, 6.9346e-01],  
 [4.4127e+01, 4.6543e-01, 1.1455e+00],  
 [2.2157e+01, 3.6615e-02, 7.4179e-01],

[2.4908e-02, 1.2916e-07, 3.5044e-03],  
 [1.6563e-01, 4.8901e-06, 2.2469e-02],  
 [1.4927e+00, 2.8831e-04, 1.1614e-01],  
 [1.9012e+00, 3.7259e-04, 1.8107e-01],  
 [1.8016e-01, 8.7566e-06, 2.2229e-02],  
 [4.2172e+01, 2.9666e-01, 1.5205e+00],  
 [1.9097e-01, 4.3609e-06, 2.2603e-02],  
 [2.3932e+01, 2.0554e-02, 7.1803e-01],  
 [1.8778e-03, 9.3999e-10, 3.0380e-04],  
 [1.6998e+02, 3.9814e+00, 4.0974e+00],  
 [1.1301e+02, 1.0214e+00, 3.0754e+00],  
 [3.0406e-01, 8.5771e-05, 4.4666e-02],  
 [6.3573e+00, 3.6299e-03, 3.5031e-01],  
 [5.4990e-02, 3.4865e-06, 8.3839e-03],  
 [3.2713e-01, 2.7391e-05, 3.9336e-02],  
 [2.6188e+01, 3.1473e-02, 1.7717e+00],  
 [4.3186e-02, 2.1788e-07, 5.9454e-03],  
 [1.6831e+02, 5.0420e+00, 4.8219e+00],  
 [3.1706e+01, 2.8230e-01, 1.3669e+00],  
 [2.7929e-01, 5.5224e-06, 3.1178e-02],  
 [4.4913e+01, 1.3224e-01, 1.9795e+00],  
 [5.4269e+01, 3.5554e-01, 2.2244e+00],  
 [6.5969e+00, 9.2725e-03, 3.1926e-01],  
 [9.5345e+01, 8.3683e-01, 2.8665e+00],  
 [1.1379e+02, 1.4739e+00, 2.9902e+00],  
 [3.0441e+01, 3.0516e-02, 8.1613e-01],  
 [6.9155e-01, 8.0972e-05, 6.1586e-02],  
 [5.7394e-02, 2.5068e-06, 7.7582e-03],  
 [4.3139e+00, 8.9044e-03, 4.1895e-01],  
 [1.6521e+01, 3.9827e-02, 7.4838e-01],  
 [5.3121e+01, 1.0667e+00, 2.5720e+00],  
 [1.9840e+02, 5.2463e+00, 3.8647e+00],  
 [1.6091e-01, 5.7043e-06, 1.9411e-02],  
 [1.9273e-01, 1.3340e-05, 1.9982e-02],  
 [6.8854e+01, 5.1570e-01, 3.6075e+00],  
 [7.8981e-01, 1.2901e-04, 6.8988e-02],  
 [1.1696e+01, 1.3705e-02, 4.4615e-01],  
 [1.6291e+02, 3.7979e+00, 4.2836e+00],  
 [5.8917e+01, 4.9442e-01, 3.0279e+00],  
 [3.2256e+00, 1.1146e-03, 2.9841e-01],  
 [5.5670e+00, 6.5411e-03, 3.5710e-01],  
 [5.9581e-03, 1.1201e-08, 9.5396e-04],  
 [1.8169e+01, 6.6422e-02, 5.6217e-01],  
 [2.6920e+01, 8.1650e-02, 1.2428e+00],  
 [5.3690e+00, 1.5260e-02, 3.3960e-01],  
 [2.7951e+01, 9.3553e-02, 1.0981e+00],  
 [1.6577e-02, 2.1595e-07, 2.4616e-03],  
 [1.5896e+01, 4.5164e-02, 6.0453e-01],

[2.0238e+01, 8.0081e-02, 9.4613e-01],  
 [7.0540e-01, 4.6962e-04, 9.4798e-02],  
 [4.7310e+00, 3.6777e-03, 4.0192e-01],  
 [8.9950e-01, 9.6114e-05, 5.7518e-02],  
 [9.5676e+01, 1.1531e+00, 3.5820e+00],  
 [2.0491e-01, 1.2994e-05, 2.1204e-02],  
 [5.4533e-01, 3.6011e-05, 4.9490e-02],  
 [1.0683e+02, 1.9970e+00, 3.5188e+00],  
 [7.2230e+00, 2.3981e-03, 4.0429e-01],  
 [3.4417e+00, 1.5167e-03, 3.9403e-01],  
 [3.3209e+01, 3.2756e-01, 1.6962e+00],  
 [5.6586e+00, 5.5489e-03, 3.2399e-01],  
 [1.5369e+01, 3.7725e-02, 5.2060e-01],  
 [2.5640e+01, 3.1966e-02, 7.8972e-01],  
 [5.6668e-01, 1.0901e-04, 6.3544e-02],  
 [6.2451e+01, 9.2548e-01, 1.8416e+00],  
 [9.7099e-01, 2.0678e-04, 1.4389e-01],  
 [3.9288e+00, 3.2597e-03, 4.3496e-01],  
 [5.5387e-01, 3.2938e-04, 6.4707e-02],  
 [6.6398e+00, 4.9424e-03, 4.8552e-01],  
 [9.6660e-02, 3.3738e-06, 1.2676e-02],  
 [5.6767e+00, 2.5365e-03, 2.4692e-01],  
 [2.5026e-02, 5.1746e-07, 3.6878e-03],  
 [1.2001e+02, 6.6478e-01, 3.7617e+00],  
 [2.2322e+01, 8.5134e-02, 8.4691e-01],  
 [4.7617e-02, 2.8152e-06, 7.1305e-03],  
 [6.8685e+01, 2.2576e-02, 1.4648e+00],  
 [1.7202e+00, 1.6011e-03, 2.0211e-01],  
 [5.5811e+01, 8.4733e-01, 2.1988e+00],  
 [4.6083e+01, 1.3951e-01, 1.3597e+00],  
 [3.3051e+01, 1.9250e-01, 1.1990e+00],  
 [2.7817e+01, 1.6790e-02, 1.2526e+00],  
 [5.4433e+00, 1.0073e-02, 4.1131e-01],  
 [1.1924e+00, 1.4014e-03, 1.4563e-01],  
 [1.9447e+01, 5.7874e-02, 1.6583e+00],  
 [4.1428e-01, 8.3613e-06, 3.7609e-02],  
 [4.8658e+01, 5.8812e-01, 1.7666e+00],  
 [5.6214e+01, 8.4571e-01, 1.5591e+00],  
 [1.8438e-01, 2.5010e-05, 2.0564e-02],  
 [2.0088e+02, 8.5801e+00, 4.6847e+00],  
 [1.3589e+02, 3.2630e+00, 3.6309e+00],  
 [1.7950e-02, 6.0769e-08, 2.5838e-03],  
 [2.0335e+01, 8.2412e-02, 9.1945e-01],  
 [7.1695e+01, 1.3815e+00, 1.7024e+00],  
 [5.0026e-01, 2.1981e-04, 6.2095e-02],  
 [1.9557e+00, 5.5296e-04, 1.2295e-01],  
 [2.8614e+02, 1.6371e+00, 4.2172e+00],  
 [1.7812e+00, 3.5502e-04, 1.3109e-01],

```

[1.3984e+01, 3.4975e-02, 6.3259e-01],
[4.5534e+01, 3.0504e-01, 9.8517e-01],
[3.7274e+01, 1.5678e-01, 2.5002e+00],
[2.0694e+00, 2.9797e-03, 1.8336e-01]], dtype=torch.float64)
Iteration: 69
Inputs: tensor([[3.1297e+19, 4.9975e+02, 4.3972e+00, 8.6815e+00],
[2.9058e+18, 4.9216e+02, 6.8138e+00, 3.8041e+00],
[1.8070e+20, 1.4517e+02, 1.4483e+01, 3.6304e+00],
...,
[6.2207e+19, 1.5675e+02, 2.7410e+00, 1.4240e+00],
[7.5833e+18, 3.2696e+02, 1.8348e+01, 5.1792e+00],
[1.1367e+20, 7.6633e+01, 1.8680e+01, 4.7955e+00]], dtype=torch.float64)
Target: tensor([[2.9093e+01, 1.0562e-01, 7.1560e-01],
[9.9452e-01, 7.2617e-05, 7.4147e-02],
[1.5494e+01, 4.3443e-02, 1.1490e+00],
[1.5881e+01, 2.3920e-02, 7.6294e-01],
[2.8083e-01, 4.6305e-05, 3.8203e-02],
[9.4666e-01, 2.0893e-04, 7.0372e-02],
[5.8586e+01, 1.3619e+00, 2.8732e+00],
[8.1781e+01, 5.6358e-01, 1.9559e+00],
[6.2443e+00, 4.6996e-03, 4.4199e-01],
[1.7827e+01, 1.7699e-02, 5.5562e-01],
[1.2663e+02, 1.2199e+00, 3.8297e+00],
[5.0865e-01, 5.2571e-05, 4.1478e-02],
[2.0253e-01, 2.0156e-05, 2.5617e-02],
[3.1440e+01, 3.4233e-01, 1.5161e+00],
[6.8529e-01, 6.9774e-05, 5.2894e-02],
[5.4883e+01, 6.2391e-02, 2.4051e+00],
[2.1348e-01, 2.2198e-05, 2.6290e-02],
[5.5083e+00, 2.6720e-03, 4.5885e-01],
[6.3993e+01, 7.8551e-01, 2.1404e+00],
[4.2104e-01, 4.2580e-06, 4.3777e-02],
[6.9768e-01, 1.6193e-04, 5.6715e-02],
[1.0663e+01, 6.3851e-03, 4.4044e-01],
[6.6100e-02, 1.0283e-06, 9.3863e-03],
[2.5701e+01, 9.2832e-02, 1.7657e+00],
[1.3280e+00, 2.0398e-04, 1.3171e-01],
[1.1553e+01, 2.3313e-02, 4.8293e-01],
[8.9833e+01, 1.0432e+00, 2.0026e+00],
[8.6466e+01, 9.3451e-01, 3.5640e+00],
[2.1440e-01, 2.9630e-05, 2.4415e-02],
[3.9699e-01, 1.2033e-05, 4.7861e-02],
[1.2499e+01, 2.4499e-02, 1.1401e+00],
[9.6303e+00, 3.2578e-02, 5.1934e-01],
[5.0729e+01, 8.1691e-01, 1.5421e+00],
[1.6063e+00, 9.8324e-04, 2.2013e-01],
[6.5309e+00, 3.2366e-03, 3.2662e-01],
[5.8357e+00, 2.3392e-03, 3.8064e-01],

```



[1.6486e+02, 4.5387e-01, 4.1277e+00],  
[1.6682e+01, 2.5577e-02, 1.0593e+00],  
[6.1680e-03, 1.9759e-08, 9.4542e-04],  
[3.0845e+00, 1.6588e-03, 1.8979e-01],  
[2.2650e+02, 8.4698e+00, 4.8088e+00],  
[2.9916e+00, 1.8833e-03, 2.2837e-01],  
[1.6572e+02, 5.6840e+00, 4.6485e+00],  
[2.8119e+00, 3.7808e-03, 2.8535e-01],  
[9.5898e+01, 2.3743e+00, 3.4007e+00],  
[2.9131e+00, 9.8378e-03, 3.4840e-01],  
[2.2185e-01, 5.9852e-05, 3.1404e-02],  
[5.4376e+01, 4.9655e-01, 2.1885e+00],  
[3.5510e+00, 8.0989e-04, 1.5726e-01],  
[8.1743e+01, 1.5193e+00, 3.6294e+00],  
[5.9228e-02, 3.7240e-07, 8.5296e-03],  
[2.4063e+01, 1.1408e-01, 1.0541e+00],  
[2.0717e+01, 8.4767e-03, 8.8156e-01],  
[8.9869e+01, 3.4732e-01, 1.7973e+00],  
[2.6864e-01, 1.0335e-05, 3.0016e-02],  
[1.7147e-01, 1.6663e-05, 2.0835e-02],  
[1.6820e-01, 1.6056e-05, 1.8867e-02],  
[3.8381e+01, 1.1057e-01, 1.7505e+00],  
[4.3948e+00, 9.3401e-04, 2.8275e-01],  
[1.8485e+01, 6.7011e-02, 8.3431e-01],  
[5.9302e+00, 4.9738e-03, 4.2018e-01],  
[6.6119e-01, 8.9774e-05, 5.1623e-02],  
[1.8170e+00, 5.9341e-04, 1.2062e-01],  
[2.2216e-01, 2.1066e-05, 2.1797e-02],  
[2.0679e+01, 1.0738e-01, 1.0353e+00],  
[9.0059e-01, 1.0930e-04, 8.6559e-02],  
[2.6641e+01, 1.2589e-01, 9.3470e-01],  
[2.8042e+00, 4.6505e-04, 1.4021e-01],  
[2.2259e+01, 3.1503e-03, 9.1147e-01],  
[3.5221e-01, 3.0121e-05, 4.4192e-02],  
[2.3460e-02, 5.5045e-07, 3.4537e-03],  
[1.4901e+01, 1.0186e-01, 1.0073e+00],  
[3.4100e-02, 5.3305e-07, 5.0747e-03],  
[1.8375e-02, 6.8103e-08, 2.6885e-03],  
[1.9470e+00, 4.9126e-04, 1.9526e-01],  
[1.2567e+02, 1.0873e+00, 4.3010e+00],  
[1.0267e-01, 6.6034e-06, 1.4665e-02],  
[1.6495e-01, 2.6903e-05, 2.1481e-02],  
[4.9361e+01, 2.8124e-01, 1.8477e+00],  
[1.6245e+00, 8.1010e-04, 1.4562e-01],  
[4.7528e-01, 5.0702e-05, 4.0654e-02],  
[4.2894e-02, 1.8908e-07, 5.6487e-03],  
[2.4036e-01, 5.5164e-06, 2.3356e-02],  
[4.6019e+00, 1.9169e-03, 2.9012e-01],

[2.7077e-03, 1.6376e-09, 4.2803e-04],  
 [7.7980e+01, 9.7448e-01, 2.2000e+00],  
 [1.7084e+01, 6.4206e-02, 8.4090e-01],  
 [9.8654e+00, 2.7938e-02, 6.1005e-01],  
 [1.7863e+02, 6.5026e+00, 3.9146e+00],  
 [7.7789e+00, 2.1119e-02, 4.2737e-01],  
 [6.4154e-01, 8.6708e-05, 8.4952e-02],  
 [1.1690e+01, 1.9140e-02, 7.2401e-01],  
 [4.3550e+01, 2.2172e-01, 1.7755e+00],  
 [1.2707e+00, 8.3993e-04, 1.2680e-01],  
 [9.6645e+01, 1.2672e+00, 3.3054e+00],  
 [1.1626e-01, 2.8617e-05, 1.7097e-02],  
 [1.9967e+01, 7.3856e-02, 9.2907e-01],  
 [1.5755e+01, 5.3135e-02, 1.0903e+00],  
 [2.6226e+00, 1.7172e-03, 2.0952e-01],  
 [8.3182e+01, 1.8714e+00, 3.6870e+00],  
 [1.1403e+02, 1.8229e+00, 2.0529e+00],  
 [9.0549e+00, 2.2326e-02, 4.5565e-01],  
 [4.5702e+00, 7.7569e-03, 3.8778e-01],  
 [4.2191e+01, 7.8425e-01, 1.8829e+00],  
 [6.1255e+00, 3.1299e-03, 6.7980e-01],  
 [1.5817e+01, 6.7967e-02, 6.9739e-01],  
 [2.8070e+01, 2.5822e-01, 9.4113e-01],  
 [8.3441e+01, 2.2092e+00, 3.1085e+00],  
 [6.4824e+01, 1.1661e+00, 2.6540e+00],  
 [2.2303e+00, 1.3767e-03, 1.7699e-01],  
 [8.3594e+00, 3.3958e-02, 5.0281e-01],  
 [1.0421e+00, 3.2395e-05, 9.9315e-02],  
 [5.0693e+01, 4.2599e-01, 1.8159e+00],  
 [2.6786e+01, 4.0498e-01, 1.9267e+00],  
 [1.1209e+01, 2.0952e-02, 5.7021e-01],  
 [8.5951e+01, 1.6790e+00, 3.0115e+00],  
 [1.6768e+01, 4.3892e-02, 5.1920e-01],  
 [3.7777e-02, 1.7620e-06, 5.3780e-03],  
 [1.8976e-01, 6.9378e-06, 2.2628e-02],  
 [4.0589e+01, 6.2951e-01, 2.0021e+00],  
 [7.3300e-01, 1.3125e-04, 5.9830e-02],  
 [9.7957e-01, 7.2207e-05, 8.3664e-02],  
 [1.0038e-01, 3.8440e-06, 1.2282e-02],  
 [8.1802e+01, 2.1462e+00, 2.3142e+00],  
 [3.3577e-02, 8.9600e-07, 4.8689e-03],  
 [4.1236e+01, 4.8273e-01, 1.2421e+00],  
 [8.2786e+01, 7.3896e-01, 1.9574e+00],  
 [6.8330e-02, 3.1554e-07, 9.4867e-03],  
 [6.5322e+01, 8.3076e-02, 2.2321e+00],  
 [3.3640e+00, 3.0363e-03, 3.9079e-01],  
 [4.5284e-02, 1.1079e-06, 6.3055e-03],  
 [1.1648e+02, 2.4234e+00, 2.9452e+00],

[1.0508e+01, 1.5006e-02, 5.2119e-01],  
 [1.7004e+01, 5.5869e-02, 6.3690e-01],  
 [4.0408e+00, 2.3572e-03, 1.8811e-01],  
 [4.1529e-02, 3.2844e-07, 5.8626e-03],  
 [3.3589e-01, 1.6473e-05, 4.9820e-02],  
 [2.3395e+01, 1.3678e-01, 9.0072e-01],  
 [8.7466e+00, 1.0161e-02, 5.7631e-01],  
 [1.6427e+01, 1.6652e-02, 9.5125e-01],  
 [8.9738e+00, 5.5547e-02, 6.7709e-01],  
 [3.3211e+01, 3.4199e-01, 1.4408e+00],  
 [6.2849e-01, 3.8247e-05, 3.8445e-02],  
 [1.9346e+00, 1.6529e-03, 1.4017e-01],  
 [2.1543e+01, 5.8386e-02, 7.2498e-01],  
 [2.3413e-01, 1.5438e-05, 2.3621e-02],  
 [2.8417e+00, 2.8331e-03, 2.0259e-01],  
 [1.6206e+01, 4.3439e-02, 7.7902e-01],  
 [7.3382e-01, 7.8346e-04, 9.4633e-02],  
 [3.0898e+00, 2.6674e-03, 2.0886e-01],  
 [2.1740e+00, 1.5317e-03, 1.4758e-01],  
 [2.1655e+01, 5.5140e-03, 6.3465e-01],  
 [2.5573e+01, 4.4174e-02, 1.2243e+00],  
 [5.2543e-01, 1.1694e-04, 4.7371e-02],  
 [2.2387e+01, 2.0652e-02, 6.4172e-01],  
 [1.1319e+02, 1.8396e+00, 2.8966e+00],  
 [2.3107e-01, 2.6733e-05, 3.0051e-02],  
 [1.8185e+00, 9.7738e-04, 1.4808e-01],  
 [1.0029e+01, 6.7642e-02, 8.1249e-01],  
 [3.2831e+01, 6.0541e-03, 9.1699e-01],  
 [2.9460e+00, 1.7368e-03, 2.4631e-01],  
 [2.3776e-01, 2.1003e-05, 2.7443e-02],  
 [2.5101e-01, 2.0043e-06, 2.7704e-02],  
 [1.5166e-01, 1.4633e-05, 2.0080e-02],  
 [1.5834e+01, 4.2053e-02, 8.3331e-01],  
 [1.6257e+00, 1.3417e-03, 1.6551e-01],  
 [4.6649e-02, 2.3489e-06, 7.1008e-03],  
 [2.8278e-02, 1.2389e-06, 4.1296e-03],  
 [2.5677e+01, 6.2878e-02, 6.5308e-01],  
 [4.9407e+00, 8.1641e-03, 4.7336e-01],  
 [1.2263e+02, 1.1309e+00, 4.2424e+00],  
 [4.1779e+00, 1.1631e-03, 2.6915e-01],  
 [8.8991e-01, 8.6699e-06, 6.8689e-02],  
 [2.5761e+00, 4.4621e-04, 2.5840e-01],  
 [7.8008e-02, 3.7290e-06, 9.5800e-03],  
 [6.7988e+01, 6.2565e-02, 1.5708e+00],  
 [5.2087e+00, 8.0259e-03, 3.3485e-01],  
 [5.1620e+01, 7.8837e-01, 1.4669e+00],  
 [8.3838e+00, 1.7622e-02, 3.6709e-01],  
 [3.8016e+01, 3.6121e-01, 2.1134e+00],

[1.5305e+02, 5.3705e+00, 4.1914e+00],  
 [3.5947e-03, 7.7098e-09, 5.7875e-04],  
 [7.0167e+01, 6.4495e-01, 2.4510e+00],  
 [1.0440e+02, 4.3110e-01, 3.1883e+00],  
 [4.8458e+00, 2.9294e-03, 4.9840e-01],  
 [6.0497e-01, 3.9062e-05, 6.6131e-02],  
 [4.5072e+00, 3.1312e-03, 3.8094e-01],  
 [9.3731e+00, 1.2484e-02, 5.5074e-01],  
 [1.1149e+01, 4.7405e-02, 6.7892e-01],  
 [1.0958e+01, 1.1983e-02, 3.8424e-01],  
 [3.5847e+01, 6.4174e-01, 1.7997e+00],  
 [1.8593e+01, 7.1725e-02, 7.1738e-01],  
 [6.3048e+00, 1.3523e-02, 3.9707e-01],  
 [2.1154e+02, 9.3816e+00, 4.3203e+00],  
 [1.8265e+02, 5.1825e+00, 3.4097e+00],  
 [1.6073e+02, 2.6683e+00, 3.5312e+00],  
 [5.6609e-01, 7.9826e-05, 7.2571e-02],  
 [1.6067e-01, 2.7963e-06, 2.0801e-02],  
 [6.5669e-02, 4.1879e-06, 9.7064e-03],  
 [2.9192e+01, 1.8492e-01, 1.6078e+00],  
 [1.1820e+01, 4.6956e-02, 6.5870e-01],  
 [2.8791e-01, 2.5113e-05, 3.3466e-02],  
 [1.8195e-01, 8.1686e-06, 1.8427e-02],  
 [2.5733e+01, 3.1217e-02, 1.3645e+00],  
 [1.6785e+00, 8.9425e-04, 1.3765e-01],  
 [2.2459e+01, 1.8752e-01, 1.8634e+00],  
 [6.8128e+01, 6.1585e-01, 1.5135e+00],  
 [1.9071e+01, 2.4645e-02, 7.9257e-01],  
 [9.5681e+01, 4.6944e-01, 3.3441e+00],  
 [1.8165e+00, 9.9402e-04, 1.6489e-01],  
 [7.3502e-01, 8.5919e-06, 7.1553e-02],  
 [3.2999e+01, 8.7847e-02, 1.3018e+00],  
 [9.8214e+01, 1.6013e+00, 2.5594e+00],  
 [1.8807e+00, 1.0736e-03, 1.9652e-01],  
 [8.0589e+01, 1.5846e-01, 2.6950e+00],  
 [2.0428e+02, 4.5600e+00, 4.1560e+00],  
 [1.6109e+00, 5.8421e-04, 1.7749e-01],  
 [3.8797e+00, 1.3912e-04, 1.9131e-01],  
 [4.1224e-02, 1.1252e-06, 6.0337e-03],  
 [2.2735e+01, 8.2169e-02, 6.6643e-01],  
 [3.5081e+01, 2.9247e-01, 1.2789e+00],  
 [3.6565e+01, 2.4670e-01, 1.4924e+00],  
 [4.6529e-01, 1.5208e-06, 3.6861e-02],  
 [3.1349e-01, 3.6015e-06, 3.1379e-02],  
 [1.6812e-01, 1.1695e-05, 1.8449e-02],  
 [4.8678e+00, 1.9758e-03, 4.5153e-01],  
 [3.1908e+01, 5.5357e-02, 9.4168e-01],  
 [1.5058e+01, 1.2697e-02, 5.7798e-01],

[1.0968e+01, 5.7775e-03, 5.8057e-01],  
[3.0812e+00, 3.2019e-04, 2.5320e-01],  
[3.6564e+01, 2.5824e-01, 1.0969e+00],  
[1.8947e+01, 7.3790e-02, 6.1888e-01],  
[7.4385e+00, 6.1355e-03, 4.5153e-01],  
[2.3509e-01, 6.2536e-05, 2.9727e-02],  
[9.8903e-01, 2.1575e-04, 9.9109e-02],  
[1.4813e+00, 3.2132e-04, 1.7973e-01],  
[1.7093e+00, 1.0015e-03, 1.3787e-01],  
[3.2638e-01, 5.2714e-06, 3.4561e-02],  
[4.8624e+01, 1.8069e-01, 1.8485e+00],  
[1.3854e+02, 2.7743e+00, 2.9427e+00],  
[1.5921e-01, 1.4087e-05, 1.7530e-02],  
[3.8126e+01, 2.7906e-01, 1.2119e+00],  
[2.3535e+01, 1.4249e-01, 8.5528e-01],  
[7.2706e+00, 9.4125e-03, 3.4977e-01],  
[9.8485e+00, 2.0251e-03, 3.4855e-01],  
[1.4603e+02, 2.1859e+00, 4.0362e+00],  
[4.2562e-01, 2.9373e-05, 4.0873e-02],  
[1.8846e+00, 4.1647e-04, 1.3547e-01],  
[7.9169e-01, 1.2584e-04, 7.0759e-02],  
[4.5639e-01, 3.2277e-05, 3.3808e-02],  
[2.0042e+01, 1.1643e-01, 8.7862e-01],  
[2.3807e+01, 2.3720e-02, 1.8282e+00],  
[6.1259e+01, 5.0754e-01, 1.8403e+00],  
[3.1744e-02, 9.4216e-07, 4.5780e-03],  
[2.5974e-03, 1.8156e-09, 4.1722e-04],  
[4.4132e+00, 1.7913e-03, 2.4614e-01],  
[3.4001e+00, 3.4595e-03, 3.4672e-01],  
[4.9940e-01, 8.4950e-05, 6.3235e-02],  
[1.5670e+00, 1.5378e-03, 1.4174e-01],  
[6.2221e-02, 1.2020e-06, 8.0556e-03],  
[8.7196e+00, 9.9249e-03, 6.4743e-01],  
[9.1365e+00, 3.6128e-02, 7.6310e-01],  
[2.8705e+00, 4.7208e-03, 2.3143e-01],  
[2.1147e+00, 2.1180e-03, 1.9294e-01],  
[2.2826e-01, 1.6315e-05, 2.9557e-02],  
[3.0674e+00, 1.8537e-03, 2.1398e-01],  
[2.7486e-01, 2.6806e-05, 3.9455e-02],  
[1.1626e+01, 4.7482e-02, 5.8827e-01],  
[7.7626e+00, 6.9318e-03, 3.2138e-01],  
[2.7935e-01, 9.5841e-06, 2.6448e-02],  
[3.5493e-01, 2.5696e-05, 4.5955e-02],  
[4.1340e+01, 1.2312e-01, 9.0836e-01],  
[8.9404e-01, 1.0463e-04, 9.0368e-02],  
[9.0193e+01, 4.9895e-01, 2.8058e+00],  
[1.1984e+02, 1.7043e+00, 2.3437e+00],  
[9.3624e+00, 8.3358e-02, 7.6891e-01],

```

[1.5971e+00, 2.6373e-04, 9.1976e-02],
[9.3349e-02, 8.1503e-07, 1.1858e-02],
[9.0528e+01, 1.7845e+00, 3.7465e+00],
[1.2104e+02, 1.0635e-01, 2.6942e+00],
[3.6799e-01, 2.5570e-05, 3.2166e-02],
[9.1691e-01, 2.5097e-04, 1.1013e-01],
[1.7099e+01, 3.8187e-02, 1.3567e+00],
[4.0226e+01, 2.5486e-01, 1.0893e+00],
[1.6885e+01, 9.1162e-02, 1.1077e+00],
[6.2131e+01, 1.1862e-01, 2.8178e+00],
[1.3083e+01, 1.0011e-01, 9.6381e-01],
[5.8999e+00, 7.7202e-03, 4.9169e-01],
[4.2347e-01, 1.8379e-05, 4.5039e-02],
[1.4422e+00, 1.2132e-03, 1.1735e-01],
[6.4976e+01, 9.5202e-01, 2.0789e+00],
[7.4221e-02, 3.5828e-06, 9.4326e-03],
[1.3170e+00, 7.9065e-05, 1.0357e-01],
[1.0075e+01, 3.5077e-03, 8.2421e-01],
[2.2761e+00, 5.0837e-04, 2.7466e-01],
[1.1409e+01, 2.1808e-02, 4.8029e-01],
[3.0146e+00, 5.8517e-03, 2.9199e-01],
[4.5420e+00, 4.8215e-03, 3.9167e-01],
[5.0254e+01, 5.4692e-02, 1.2676e+00],
[3.9597e+01, 3.8447e-01, 2.5130e+00],
[6.3535e+01, 5.8747e-01, 2.4809e+00],
[5.6110e-01, 4.6205e-05, 4.8462e-02],
[9.0231e+01, 1.1415e+00, 2.4671e+00],
[1.2525e+01, 1.7454e-02, 1.0887e+00],
[2.8656e+02, 1.2214e+01, 4.4931e+00],
[2.6012e+01, 1.1564e-01, 1.3148e+00],
[3.9888e-02, 6.1822e-07, 5.5959e-03],
[4.6296e-02, 1.0788e-06, 6.1009e-03],
[9.0661e+01, 1.5307e+00, 2.9292e+00],
[1.5987e-01, 1.2420e-05, 2.0221e-02],
[5.7371e+00, 7.1858e-03, 4.0199e-01],
[1.1250e-04, 3.7063e-12, 1.8551e-05],
[2.1227e+01, 2.1457e-01, 1.7327e+00],
[1.0527e-01, 7.3849e-06, 1.3807e-02],
[2.1944e+00, 3.4266e-03, 1.8888e-01],
[3.6659e-02, 5.1917e-07, 5.1339e-03],
[1.9931e+00, 7.6646e-04, 1.6418e-01],
[1.3147e+01, 2.3666e-03, 7.7992e-01],
[1.1526e+00, 4.4012e-04, 1.0786e-01],
[4.0965e+00, 9.2695e-03, 4.3594e-01]], dtype=torch.float64)

```

Iteration: 70

```

Inputs: tensor([[2.4181e+19, 2.1599e+02, 1.2960e+01, 9.5865e+00],
                [2.4770e+20, 3.0294e+02, 1.2587e+01, 2.6657e+00],
                [3.4070e+19, 2.5219e+02, 1.8684e+01, 3.9271e+00],

```

```

...,
[1.1778e+19, 2.0422e+02, 2.5209e+00, 9.9094e+00],
[7.2620e+18, 6.1496e+01, 3.4848e+00, 8.0756e+00],
[8.3554e+20, 4.0304e+02, 3.4789e+00, 5.1226e+00]], dtype=torch.float64)
Target: tensor([[7.6237e+00, 2.3164e-02, 4.4305e-01],
[3.9213e+01, 1.0837e-01, 1.9292e+00],
[4.9434e+00, 6.2306e-03, 3.9398e-01],
[3.6392e-01, 6.1934e-05, 3.7064e-02],
[5.0777e-01, 5.1698e-06, 4.3399e-02],
[4.6199e-01, 1.0078e-04, 5.0227e-02],
[6.6142e-01, 7.6317e-06, 5.7002e-02],
[3.8297e+01, 1.2264e-01, 1.5628e+00],
[2.5252e+00, 8.0609e-04, 1.8557e-01],
[1.9177e+00, 1.6548e-05, 1.2477e-01],
[3.0410e-02, 1.7440e-07, 4.5194e-03],
[1.8777e+01, 5.6565e-03, 1.3435e+00],
[7.8140e+01, 8.3734e-01, 1.5049e+00],
[2.0212e-01, 2.3679e-05, 2.3074e-02],
[2.7884e+00, 1.6071e-04, 1.5911e-01],
[8.8275e+00, 9.3079e-03, 7.3654e-01],
[6.0521e+01, 3.1315e-01, 2.0673e+00],
[3.1520e-01, 3.5703e-05, 3.1442e-02],
[1.4678e+02, 1.5446e+00, 4.5084e+00],
[3.7603e-02, 6.3724e-07, 5.3896e-03],
[5.0163e-01, 1.1161e-04, 4.2193e-02],
[9.0091e+00, 1.8490e-03, 4.9024e-01],
[1.2650e+01, 4.3921e-02, 7.2289e-01],
[7.0398e+01, 7.7587e-01, 3.6569e+00],
[5.0375e+01, 1.5432e-01, 1.7709e+00],
[5.7470e+01, 4.3898e-01, 2.6611e+00],
[1.1643e+01, 1.9500e-02, 4.6186e-01],
[2.8035e+01, 4.1758e-02, 1.4431e+00],
[3.0820e-01, 2.6382e-05, 3.0543e-02],
[5.3552e-02, 1.4312e-06, 8.0665e-03],
[3.5681e+01, 1.5081e-01, 1.9730e+00],
[1.3973e+02, 3.4497e+00, 3.8903e+00],
[4.8571e+00, 7.2727e-03, 2.7742e-01],
[4.7462e+00, 1.0718e-02, 3.2200e-01],
[9.4379e-02, 4.0474e-06, 1.2037e-02],
[8.9749e-02, 1.8836e-06, 1.1756e-02],
[3.6087e-01, 4.3106e-05, 3.8544e-02],
[3.3003e-01, 3.4408e-05, 3.0009e-02],
[2.0857e+01, 1.7663e-01, 9.8182e-01],
[3.4549e+00, 1.1687e-03, 2.2240e-01],
[1.3306e+01, 1.5651e-02, 1.1360e+00],
[2.2426e+01, 2.2564e-02, 8.8490e-01],
[2.7380e-01, 2.0048e-05, 3.1333e-02],
[2.5753e+00, 2.0891e-03, 1.5866e-01],

```

[5.7994e-02, 8.6358e-07, 7.7197e-03],  
 [1.5363e+02, 2.7019e+00, 4.7464e+00],  
 [5.3846e-02, 1.2620e-06, 7.2676e-03],  
 [5.6880e+00, 1.5559e-02, 4.9599e-01],  
 [6.8820e-01, 4.3041e-04, 8.8686e-02],  
 [2.3692e+00, 2.1423e-03, 2.0380e-01],  
 [3.0661e+02, 6.8694e+00, 4.6296e+00],  
 [8.1472e+01, 4.7148e-01, 2.4418e+00],  
 [2.4748e+00, 9.2552e-04, 2.5651e-01],  
 [6.4038e+00, 5.5425e-03, 3.3437e-01],  
 [7.7963e-02, 6.4331e-06, 9.9942e-03],  
 [4.5446e-02, 1.5689e-06, 6.0131e-03],  
 [1.9696e+01, 3.6502e-02, 7.9460e-01],  
 [3.8925e+00, 3.0603e-03, 2.3126e-01],  
 [2.2690e+01, 1.4377e-02, 7.7204e-01],  
 [9.6904e+01, 2.1479e-01, 4.2742e+00],  
 [4.3822e-02, 4.1628e-07, 6.6775e-03],  
 [5.1767e+01, 8.7460e-02, 1.9765e+00],  
 [3.0801e+00, 2.4998e-03, 1.8948e-01],  
 [3.5349e-01, 1.7712e-05, 4.2955e-02],  
 [5.7647e-01, 5.3941e-05, 5.8815e-02],  
 [2.7404e+00, 2.8149e-04, 1.3847e-01],  
 [8.8923e-01, 1.4255e-04, 6.2364e-02],  
 [1.1878e+00, 4.8696e-04, 1.0198e-01],  
 [1.3411e+00, 1.2536e-04, 9.9454e-02],  
 [5.3509e-01, 1.2181e-04, 5.0040e-02],  
 [5.4038e+01, 2.7083e-01, 1.9586e+00],  
 [9.3936e+00, 1.5195e-02, 4.3164e-01],  
 [1.4934e+02, 1.2555e+00, 3.3062e+00],  
 [1.1262e+00, 3.0759e-05, 9.0081e-02],  
 [2.1885e+00, 3.6115e-05, 1.5694e-01],  
 [1.7544e+02, 6.4210e+00, 4.2638e+00],  
 [2.4890e-01, 3.6911e-05, 2.7084e-02],  
 [5.2540e+00, 1.2847e-02, 3.3597e-01],  
 [3.2564e+00, 4.9293e-04, 2.2519e-01],  
 [1.7212e-01, 2.0726e-05, 2.0383e-02],  
 [4.0475e+00, 6.4130e-03, 3.8627e-01],  
 [1.4446e-02, 6.6850e-08, 2.1067e-03],  
 [2.7086e-01, 3.8134e-05, 2.6580e-02],  
 [1.1023e+01, 4.2624e-02, 8.5729e-01],  
 [1.8387e+02, 4.9181e+00, 4.4643e+00],  
 [1.9432e+00, 5.4832e-04, 1.5192e-01],  
 [4.9214e-01, 9.2273e-05, 4.3981e-02],  
 [3.1959e-02, 1.8818e-07, 4.6898e-03],  
 [7.0084e-02, 9.3006e-07, 9.2145e-03],  
 [1.5732e-02, 9.8618e-08, 2.2929e-03],  
 [2.3922e+01, 1.3855e-01, 9.8669e-01],  
 [2.5449e-01, 7.2928e-05, 3.4157e-02],



[4.9098e+01, 2.1846e-01, 1.1862e+00],  
 [1.0434e+00, 3.6877e-04, 8.2756e-02],  
 [5.3086e-01, 4.7265e-05, 5.0042e-02],  
 [1.2985e+01, 3.3853e-02, 4.9864e-01],  
 [1.6697e+02, 4.5165e+00, 4.4153e+00],  
 [9.0119e+01, 2.5119e-01, 2.8429e+00],  
 [8.0624e-02, 3.6887e-06, 9.6156e-03],  
 [2.0001e+01, 1.1455e-01, 9.1320e-01],  
 [2.2600e+02, 5.7664e+00, 4.2667e+00],  
 [1.0035e+00, 1.8627e-04, 9.3730e-02],  
 [3.6449e+00, 2.9890e-04, 2.2595e-01],  
 [9.6872e+01, 1.6753e+00, 3.9885e+00],  
 [1.5685e+01, 3.4360e-03, 4.8263e-01],  
 [2.5449e+01, 1.0928e-01, 1.7394e+00],  
 [5.7638e+00, 1.7663e-03, 2.9804e-01],  
 [8.4404e-02, 1.4014e-06, 1.1667e-02],  
 [2.6254e-01, 1.5960e-05, 2.5255e-02],  
 [5.6349e+00, 9.7599e-04, 3.2035e-01],  
 [1.7097e+01, 7.4685e-02, 7.3166e-01],  
 [5.0923e+00, 1.9741e-03, 4.0393e-01],  
 [5.1714e+01, 2.4919e-01, 2.3790e+00],  
 [1.5251e-02, 1.8100e-08, 2.2476e-03],  
 [6.7109e+01, 7.9725e-01, 1.7047e+00],  
 [9.7511e+00, 5.1769e-02, 5.9565e-01],  
 [2.2259e+00, 1.2280e-03, 2.0909e-01],  
 [4.8138e+01, 4.1924e-01, 1.9680e+00],  
 [2.6693e-01, 5.7699e-05, 3.3627e-02],  
 [3.2212e+01, 6.9830e-02, 1.0286e+00],  
 [3.6279e+01, 8.6633e-02, 1.6887e+00],  
 [3.4582e-01, 1.4379e-05, 2.9601e-02],  
 [3.1669e+01, 1.9276e-01, 1.0228e+00],  
 [3.9031e-01, 3.0153e-05, 4.9832e-02],  
 [3.2074e+00, 4.0879e-04, 2.6829e-01],  
 [8.2376e-02, 1.7436e-07, 1.1303e-02],  
 [4.7468e+01, 1.0304e-01, 1.3872e+00],  
 [2.8563e+00, 6.2709e-04, 2.5302e-01],  
 [9.3263e+01, 2.6337e+00, 3.0771e+00],  
 [1.2407e+02, 3.8277e-01, 3.7897e+00],  
 [9.8569e-02, 3.8091e-06, 1.1470e-02],  
 [1.2090e+00, 8.1557e-04, 1.4894e-01],  
 [1.3061e+01, 3.3030e-02, 5.3029e-01],  
 [1.8548e-01, 1.8777e-05, 2.6513e-02],  
 [2.1043e+01, 1.6780e-02, 5.9906e-01],  
 [1.2681e+02, 2.1390e+00, 2.4863e+00],  
 [1.3401e+00, 1.1616e-03, 1.5344e-01],  
 [3.6268e+01, 2.9640e-01, 1.2647e+00],  
 [6.0827e+01, 1.2021e+00, 3.0985e+00],  
 [5.0750e+00, 4.1583e-04, 3.4287e-01],

[2.1604e+02, 3.9776e+00, 4.6624e+00],  
 [3.5685e+01, 2.1811e-01, 1.2281e+00],  
 [6.6709e+01, 8.8179e-01, 1.9679e+00],  
 [1.5226e+01, 7.1961e-02, 7.6783e-01],  
 [5.8543e+01, 9.9648e-01, 1.9050e+00],  
 [6.6616e+01, 5.2576e-01, 3.0015e+00],  
 [2.3537e+01, 8.3196e-02, 6.7418e-01],  
 [2.9007e+00, 8.5268e-04, 2.1741e-01],  
 [1.8198e+01, 2.7220e-02, 1.3191e+00],  
 [1.5758e-02, 3.6825e-08, 2.4907e-03],  
 [1.0684e+02, 3.5669e+00, 4.1517e+00],  
 [1.2797e+02, 1.2516e+00, 4.5671e+00],  
 [1.6711e-01, 1.2022e-05, 1.7302e-02],  
 [7.1093e-02, 1.1388e-06, 9.4988e-03],  
 [7.0087e-01, 9.7870e-05, 5.0466e-02],  
 [1.3271e+02, 2.6368e+00, 4.4620e+00],  
 [1.5421e+02, 8.5948e-01, 2.7506e+00],  
 [6.9361e+01, 1.8391e-01, 2.2500e+00],  
 [1.5193e+02, 2.5445e+00, 2.5873e+00],  
 [2.5599e+01, 8.6604e-02, 1.5760e+00],  
 [2.1453e-01, 1.2070e-05, 2.3694e-02],  
 [5.9097e-01, 6.9904e-05, 4.6961e-02],  
 [8.3756e+01, 5.6853e-01, 2.4842e+00],  
 [2.4390e-01, 4.8197e-05, 2.8608e-02],  
 [8.9881e-01, 9.8465e-05, 1.2960e-01],  
 [1.7972e+02, 9.4376e-01, 3.8085e+00],  
 [7.3755e+01, 7.0709e-01, 2.1911e+00],  
 [3.5824e+01, 2.0213e-01, 1.7805e+00],  
 [6.6322e-01, 4.4226e-05, 7.5100e-02],  
 [3.3945e-01, 3.7503e-05, 3.3300e-02],  
 [1.0480e+01, 2.4695e-02, 5.1369e-01],  
 [1.7988e-01, 2.9433e-05, 2.0665e-02],  
 [2.4981e-02, 1.5673e-07, 3.9919e-03],  
 [7.2465e+01, 1.2058e+00, 1.8654e+00],  
 [1.6259e+01, 1.9766e-02, 7.0930e-01],  
 [1.6686e+01, 4.3237e-02, 1.3661e+00],  
 [1.4228e+00, 5.7572e-04, 1.3081e-01],  
 [1.5006e+01, 1.0012e-01, 9.4637e-01],  
 [1.4993e-01, 1.8288e-06, 1.5795e-02],  
 [1.3124e-01, 2.9722e-06, 1.9187e-02],  
 [5.0874e+01, 1.4201e-01, 1.2761e+00],  
 [6.0975e+01, 6.7344e-01, 2.1176e+00],  
 [2.2241e+01, 2.9910e-02, 7.6068e-01],  
 [3.7987e-02, 1.8968e-06, 5.4476e-03],  
 [2.8992e+01, 1.2214e-01, 1.5690e+00],  
 [3.1724e+01, 2.8688e-01, 1.7933e+00],  
 [4.9048e-01, 7.2084e-06, 3.9734e-02],  
 [1.8634e-01, 1.3266e-05, 2.0679e-02],

[2.4350e-01, 4.9953e-06, 2.6443e-02],  
 [2.8565e+01, 4.1081e-02, 1.4925e+00],  
 [2.3418e-03, 2.2609e-09, 3.7461e-04],  
 [1.7914e-01, 1.5706e-05, 2.5571e-02],  
 [2.3226e-02, 5.3754e-07, 3.4311e-03],  
 [1.5075e+02, 2.8235e+00, 4.1333e+00],  
 [7.6115e+00, 1.9694e-02, 4.3584e-01],  
 [6.8921e+00, 1.4285e-02, 4.3859e-01],  
 [4.3171e-01, 3.9258e-05, 4.5030e-02],  
 [4.9301e+01, 4.5448e-01, 1.6983e+00],  
 [1.4570e+02, 4.9513e+00, 3.7927e+00],  
 [1.2221e+02, 5.0933e-01, 2.4990e+00],  
 [4.0642e+00, 6.1316e-03, 2.4349e-01],  
 [1.4068e+01, 5.1774e-02, 6.6964e-01],  
 [8.4396e-01, 4.0068e-04, 8.1370e-02],  
 [4.8519e-02, 8.7600e-07, 6.6558e-03],  
 [1.3293e+02, 5.4960e-01, 4.2563e+00],  
 [9.0740e+00, 9.7329e-03, 3.5428e-01],  
 [2.4294e+02, 6.2245e+00, 3.8884e+00],  
 [1.4901e+02, 4.2917e-01, 4.2202e+00],  
 [2.2800e+01, 1.1223e-01, 8.6218e-01],  
 [1.4230e+01, 9.3358e-02, 7.7448e-01],  
 [4.8894e+00, 7.9445e-03, 2.7738e-01],  
 [1.4585e-01, 6.6701e-06, 1.5734e-02],  
 [6.3943e+01, 7.9075e-01, 1.8540e+00],  
 [7.8542e+00, 3.4895e-03, 3.0248e-01],  
 [1.2351e+02, 1.4739e-01, 3.1920e+00],  
 [2.6703e+01, 7.7509e-03, 1.3672e+00],  
 [4.2564e-01, 1.2891e-04, 4.5469e-02],  
 [1.9542e-01, 5.1734e-05, 2.8283e-02],  
 [1.3184e+01, 2.8968e-02, 4.7893e-01],  
 [1.8810e+01, 1.0388e-01, 7.7882e-01],  
 [4.6032e+01, 2.6404e-01, 1.0146e+00],  
 [1.2079e-01, 4.9039e-06, 1.3814e-02],  
 [2.4825e+01, 3.9228e-02, 7.3616e-01],  
 [2.9108e+01, 2.3856e-01, 1.2172e+00],  
 [2.3446e+00, 2.6003e-03, 2.8982e-01],  
 [2.2978e+01, 4.3401e-02, 6.9831e-01],  
 [1.8037e+02, 2.8377e+00, 3.4674e+00],  
 [4.5774e+01, 3.7579e-01, 1.4607e+00],  
 [1.2408e-01, 2.2612e-06, 1.5696e-02],  
 [1.7286e+01, 9.1075e-02, 6.6077e-01],  
 [3.5293e-01, 5.3788e-05, 3.1229e-02],  
 [6.1090e-03, 2.6708e-08, 9.4538e-04],  
 [6.0598e+00, 6.7831e-03, 3.6250e-01],  
 [1.4774e+01, 3.7355e-03, 6.7930e-01],  
 [1.1802e+00, 7.7449e-04, 1.3164e-01],  
 [6.4667e-04, 1.7674e-10, 1.0522e-04],

[9.6306e+01, 4.9995e-01, 3.8285e+00],  
 [2.9624e+01, 3.5186e-02, 1.0162e+00],  
 [3.5493e-01, 1.6398e-05, 4.2434e-02],  
 [1.4800e+00, 6.2627e-04, 1.0840e-01],  
 [1.7208e+02, 1.9689e+00, 4.3469e+00],  
 [4.1258e+00, 7.1379e-03, 3.4126e-01],  
 [3.4182e-01, 4.5631e-05, 3.3269e-02],  
 [1.8331e+01, 1.2865e-01, 1.5604e+00],  
 [1.8494e-01, 1.2133e-05, 1.8333e-02],  
 [7.8196e+01, 1.2694e+00, 2.0906e+00],  
 [5.3429e+00, 9.2295e-03, 2.7980e-01],  
 [2.3348e-03, 1.5512e-09, 3.8041e-04],  
 [5.4224e+01, 5.8865e-01, 1.7138e+00],  
 [7.1695e-01, 2.8300e-04, 8.7520e-02],  
 [7.2195e-01, 7.9428e-05, 5.5757e-02],  
 [4.4507e+00, 9.0993e-03, 3.4584e-01],  
 [2.7243e+01, 1.2151e-01, 8.4896e-01],  
 [2.7210e+02, 3.3155e+00, 4.2804e+00],  
 [2.4811e+01, 1.6415e-01, 9.5022e-01],  
 [1.4730e-01, 1.1557e-05, 1.6136e-02],  
 [9.4826e+01, 1.0926e+00, 2.3309e+00],  
 [4.0938e-01, 4.6912e-05, 4.5455e-02],  
 [3.3062e+01, 9.7219e-02, 1.5675e+00],  
 [1.4206e-01, 1.6558e-06, 1.9849e-02],  
 [1.0952e+00, 4.2586e-04, 1.1551e-01],  
 [3.3501e+01, 2.4085e-01, 1.6434e+00],  
 [2.4301e-02, 5.6948e-07, 3.5783e-03],  
 [4.1726e-01, 5.4336e-05, 3.8294e-02],  
 [2.9013e+00, 3.4490e-03, 2.9461e-01],  
 [2.0959e-01, 2.7621e-05, 2.1226e-02],  
 [1.4265e-02, 6.1906e-09, 2.1428e-03],  
 [5.1153e+01, 1.0758e-01, 2.4318e+00],  
 [4.8941e-01, 1.2998e-04, 6.3971e-02],  
 [2.5149e+00, 3.2412e-04, 2.6373e-01],  
 [5.1084e-02, 1.3146e-06, 6.7136e-03],  
 [1.0203e+02, 1.6533e+00, 2.2028e+00],  
 [7.8223e+00, 1.0382e-02, 6.3040e-01],  
 [1.7187e-01, 1.0921e-05, 1.8434e-02],  
 [1.7460e-01, 9.4672e-06, 2.3171e-02],  
 [1.0954e+00, 1.2574e-04, 1.0789e-01],  
 [7.8482e+01, 6.8437e-01, 2.3683e+00],  
 [3.6973e-01, 1.4210e-05, 2.9663e-02],  
 [9.7831e-04, 6.8338e-10, 1.5848e-04],  
 [1.5612e-02, 1.1677e-07, 2.2888e-03],  
 [7.3672e-01, 4.9107e-04, 8.3840e-02],  
 [1.2022e+00, 5.0998e-04, 1.1486e-01],  
 [3.0848e+01, 2.3445e-01, 1.4455e+00],  
 [3.0244e-02, 1.1998e-06, 4.3746e-03],

```

[1.9088e+02, 4.1865e+00, 3.0123e+00],
[6.8125e-01, 7.6355e-05, 7.3478e-02],
[8.4912e-01, 4.5421e-04, 9.0670e-02],
[2.0132e-01, 1.6943e-05, 2.7479e-02],
[1.3094e+01, 2.1041e-02, 5.8967e-01],
[9.7547e+00, 1.6628e-02, 7.5295e-01],
[1.0105e+01, 5.5756e-03, 8.0314e-01],
[7.2593e+00, 1.7045e-02, 4.1690e-01],
[5.7093e+00, 1.5703e-02, 3.7200e-01],
[8.2754e-01, 4.0751e-05, 8.5006e-02],
[3.7849e+01, 3.3428e-02, 1.4317e+00],
[2.0969e+01, 5.3616e-02, 9.4342e-01],
[5.6508e-01, 7.9210e-05, 5.0828e-02],
[7.1642e-01, 1.4831e-04, 7.1551e-02],
[6.6988e+01, 1.5778e+00, 2.7177e+00],
[1.3823e+00, 1.3321e-03, 1.2365e-01],
[3.9599e+01, 7.1737e-01, 2.5875e+00],
[2.6160e+00, 1.5359e-03, 2.0016e-01],
[4.1218e+00, 5.8060e-03, 2.6193e-01],
[4.4507e+01, 1.1455e-01, 2.5169e+00],
[7.4089e-01, 8.6233e-05, 9.2618e-02],
[7.2115e+00, 1.3304e-03, 7.8690e-01],
[1.8751e+00, 1.1276e-03, 1.6335e-01],
[4.5941e-01, 4.7782e-05, 4.4169e-02],
[2.7205e+00, 1.8611e-03, 1.9611e-01],
[4.1419e-02, 3.7442e-07, 6.1753e-03],
[6.0781e-02, 2.9961e-07, 7.6163e-03],
[3.7844e+01, 3.6770e-01, 1.5877e+00],
[5.9803e+01, 3.6296e-01, 1.5606e+00],
[3.2681e+01, 2.7498e-01, 2.4345e+00],
[2.4643e+01, 8.8504e-02, 1.1576e+00],
[2.2174e+01, 1.3184e-01, 7.3231e-01],
[6.2647e+00, 2.4628e-03, 2.9977e-01],
[5.5857e+00, 5.6880e-03, 2.9352e-01],
[4.3273e-01, 7.4063e-05, 5.1159e-02],
[2.6626e+02, 3.2212e+00, 4.7004e+00]], dtype=torch.float64)
Iteration: 71
Inputs: tensor([[1.8268e+19, 4.3765e+02, 1.6708e+01, 6.8364e+00],
[1.0722e+18, 4.7739e+02, 1.7274e+01, 9.6478e+00],
[5.9784e+18, 4.7609e+02, 9.1409e+00, 3.0935e+00],
...,
[6.3361e+18, 2.8723e+02, 1.1798e+01, 8.1444e+00],
[3.4811e+19, 2.5852e+02, 3.8036e+00, 8.8262e+00],
[8.4613e+18, 4.7859e+02, 2.7107e+00, 5.5502e+00]]), dtype=torch.float64)
Target: tensor([[7.6811e+00, 1.4580e-02, 3.9849e-01],
[2.1616e-01, 3.1453e-05, 2.0606e-02],
[1.6881e+00, 2.1094e-04, 1.2818e-01],
[1.4117e+01, 3.1744e-02, 1.0746e+00],

```

[7.3963e+01, 3.7577e-01, 2.8417e+00],  
 [8.5160e+00, 1.7798e-02, 4.4869e-01],  
 [7.9070e+01, 1.4749e+00, 2.0808e+00],  
 [4.6633e+00, 1.1749e-03, 2.4407e-01],  
 [2.8174e+01, 4.5216e-02, 1.3621e+00],  
 [1.5239e+02, 4.9156e+00, 4.4311e+00],  
 [6.0534e-01, 2.6719e-04, 7.6680e-02],  
 [1.0993e+02, 2.7374e+00, 4.2939e+00],  
 [3.8219e+01, 3.6193e-01, 2.1861e+00],  
 [4.0631e+01, 3.5337e-02, 9.9681e-01],  
 [2.3377e+00, 1.6362e-04, 2.3406e-01],  
 [1.2038e+00, 7.0139e-04, 1.4863e-01],  
 [1.4251e+01, 8.6996e-02, 1.3626e+00],  
 [2.4027e+01, 8.3162e-02, 6.8297e-01],  
 [6.8288e-01, 1.6489e-05, 7.6577e-02],  
 [4.7167e+01, 6.1749e-02, 2.2207e+00],  
 [1.4298e+01, 3.8749e-02, 8.9781e-01],  
 [6.5942e+01, 2.4979e-01, 3.1824e+00],  
 [6.1855e-01, 2.4887e-06, 5.1962e-02],  
 [4.5840e+01, 3.0218e-01, 1.0056e+00],  
 [1.5060e-01, 8.1121e-06, 1.9888e-02],  
 [1.6456e+00, 4.9731e-04, 1.2511e-01],  
 [7.0473e-01, 1.1888e-04, 7.3547e-02],  
 [3.2562e+01, 4.2180e-01, 1.9337e+00],  
 [1.3138e+02, 1.8080e+00, 3.3606e+00],  
 [1.2128e+00, 2.3657e-04, 8.9007e-02],  
 [6.4404e-01, 1.7759e-04, 7.9085e-02],  
 [1.6644e+00, 1.2691e-03, 1.2742e-01],  
 [1.4324e+01, 3.7323e-02, 9.1257e-01],  
 [1.9373e+01, 2.3839e-02, 5.4911e-01],  
 [4.5025e-01, 1.2846e-04, 4.2322e-02],  
 [1.6687e+01, 4.6388e-02, 6.9760e-01],  
 [1.7013e+01, 1.9736e-02, 9.0487e-01],  
 [3.2447e+01, 5.1566e-02, 7.4940e-01],  
 [1.7622e+02, 3.8816e+00, 3.0939e+00],  
 [8.1772e+00, 3.4583e-03, 8.8951e-01],  
 [1.1076e-01, 4.1242e-06, 1.4885e-02],  
 [5.1369e+00, 4.1382e-03, 3.0361e-01],  
 [1.6047e+01, 9.1270e-02, 1.5818e+00],  
 [7.5947e+00, 3.8584e-03, 5.2948e-01],  
 [2.4256e+01, 1.6433e-02, 6.3061e-01],  
 [1.9726e+01, 1.3937e-01, 1.1107e+00],  
 [1.9133e+00, 5.3089e-03, 2.1329e-01],  
 [3.3254e+01, 2.2481e-01, 1.0635e+00],  
 [5.2248e-03, 1.6362e-08, 8.2288e-04],  
 [9.5352e+00, 2.9463e-02, 5.3820e-01],  
 [1.5990e+02, 1.3963e+00, 3.3854e+00],  
 [6.9438e+00, 1.8926e-03, 3.3533e-01],

[3.4159e+00, 1.1931e-03, 2.9659e-01],  
[4.6582e-01, 1.0709e-04, 4.0396e-02],  
[3.5730e-01, 2.1993e-05, 3.1959e-02],  
[2.4233e+02, 1.3251e+01, 5.0671e+00],  
[1.4274e+02, 4.6490e+00, 3.0606e+00],  
[1.6266e+00, 5.5279e-04, 2.2577e-01],  
[4.0890e-01, 1.2432e-04, 5.1372e-02],  
[2.0245e+00, 2.1758e-04, 1.0369e-01],  
[8.6165e+01, 1.0155e-01, 3.0651e+00],  
[1.6838e+01, 1.0939e-01, 8.8602e-01],  
[5.5926e+01, 1.1775e+00, 3.4144e+00],  
[1.0224e+00, 2.7518e-04, 9.2646e-02],  
[1.2878e+02, 2.4035e+00, 3.7237e+00],  
[1.5677e+00, 1.0304e-03, 1.4229e-01],  
[3.9243e-03, 2.4118e-09, 6.1268e-04],  
[8.8445e+00, 8.5776e-03, 3.4966e-01],  
[6.7678e+01, 4.7089e-01, 1.6697e+00],  
[4.3588e+01, 2.5948e-01, 1.0510e+00],  
[2.4647e+00, 4.3204e-04, 1.4194e-01],  
[7.2354e+01, 1.0138e+00, 1.7899e+00],  
[2.7156e-01, 7.7842e-05, 3.7638e-02],  
[1.3782e+01, 3.8320e-02, 7.4486e-01],  
[1.1995e+00, 3.5945e-04, 9.3097e-02],  
[1.0114e-01, 3.3402e-06, 1.3817e-02],  
[1.9669e+02, 3.0402e+00, 4.9692e+00],  
[3.6778e-01, 7.0377e-05, 3.8470e-02],  
[9.1654e-02, 5.6079e-06, 1.2912e-02],  
[2.0436e+01, 9.4880e-02, 1.1195e+00],  
[1.9712e+01, 4.8208e-02, 7.2627e-01],  
[2.3089e+01, 1.9675e-02, 6.2547e-01],  
[2.1877e+00, 1.7259e-03, 1.7052e-01],  
[1.6017e+00, 8.6032e-04, 1.7225e-01],  
[1.2088e-01, 1.4031e-06, 1.6878e-02],  
[3.0800e-01, 1.8608e-05, 3.0616e-02],  
[5.1602e+00, 2.6403e-03, 2.2773e-01],  
[4.4026e+01, 3.2304e-01, 1.4224e+00],  
[2.2878e-01, 1.3167e-05, 2.2545e-02],  
[1.3604e+00, 2.3578e-05, 1.1566e-01],  
[1.0648e-02, 3.4926e-08, 1.6177e-03],  
[3.3166e-02, 9.4051e-08, 4.5721e-03],  
[1.3198e+02, 2.9555e+00, 2.7552e+00],  
[4.1543e-01, 1.4861e-05, 4.7168e-02],  
[8.5198e+01, 1.3032e+00, 2.2693e+00],  
[8.8157e-01, 1.1023e-04, 9.5988e-02],  
[6.6872e-04, 3.5300e-10, 1.0879e-04],  
[4.2636e+01, 9.1336e-01, 2.4888e+00],  
[4.2350e+01, 3.1490e-01, 1.6022e+00],  
[1.3986e-01, 7.0197e-06, 1.6754e-02],

[7.1202e+01, 5.5895e-01, 2.2051e+00],  
 [7.5478e+00, 6.1768e-03, 4.0797e-01],  
 [2.6658e+01, 2.0764e-01, 1.2979e+00],  
 [9.8994e+00, 8.1940e-02, 9.4389e-01],  
 [2.5569e+00, 7.6509e-04, 1.8077e-01],  
 [8.0523e+01, 7.1223e-01, 1.5686e+00],  
 [9.2788e+01, 3.1480e-01, 2.0568e+00],  
 [2.0642e-02, 3.4951e-07, 3.0391e-03],  
 [1.2290e+01, 4.5686e-02, 6.5883e-01],  
 [3.7386e-01, 4.2946e-06, 3.8534e-02],  
 [1.8613e-01, 6.7282e-06, 2.1989e-02],  
 [7.9777e+01, 8.3530e-01, 1.7883e+00],  
 [4.0964e+00, 1.9843e-03, 2.0409e-01],  
 [6.6166e-02, 7.4469e-07, 8.3345e-03],  
 [5.1931e-01, 1.9426e-04, 5.6902e-02],  
 [5.6148e+01, 2.9985e-01, 1.7815e+00],  
 [3.9924e+01, 9.4926e-03, 1.2100e+00],  
 [1.3848e+01, 2.6742e-02, 5.1179e-01],  
 [9.1040e+01, 7.5741e-01, 1.7942e+00],  
 [4.0235e+00, 1.3583e-02, 3.9561e-01],  
 [2.7118e-01, 3.6832e-05, 2.6570e-02],  
 [1.1686e-01, 7.4444e-06, 1.4844e-02],  
 [4.6217e-01, 3.4363e-05, 4.1135e-02],  
 [2.0649e+02, 9.0879e-01, 4.2201e+00],  
 [8.4455e+01, 9.7842e-01, 1.8839e+00],  
 [1.4201e+00, 1.0479e-04, 1.2585e-01],  
 [2.1342e-01, 5.2486e-06, 2.7822e-02],  
 [1.3932e+00, 4.2694e-04, 9.8127e-02],  
 [2.9993e-01, 1.1451e-05, 3.0711e-02],  
 [1.5097e+01, 7.4250e-03, 1.0957e+00],  
 [8.8031e-03, 4.6726e-09, 1.3462e-03],  
 [3.3886e+00, 2.5895e-03, 3.7325e-01],  
 [1.1560e+01, 7.3249e-02, 7.9403e-01],  
 [3.0396e+01, 2.3346e-02, 2.4445e+00],  
 [9.8099e-01, 2.3688e-04, 1.1849e-01],  
 [1.7792e+01, 6.6450e-02, 6.7968e-01],  
 [1.1940e+00, 8.4964e-05, 1.3065e-01],  
 [5.1225e+01, 1.0174e-01, 2.0199e+00],  
 [7.7279e+01, 4.5393e-01, 2.2634e+00],  
 [7.5927e-01, 2.2758e-04, 6.7737e-02],  
 [3.3040e+00, 2.1981e-03, 3.0178e-01],  
 [8.1360e-02, 3.8388e-06, 1.1271e-02],  
 [2.5491e-01, 4.5140e-06, 3.1336e-02],  
 [8.5636e-01, 3.1305e-04, 8.2063e-02],  
 [5.6782e+00, 4.5854e-03, 5.0281e-01],  
 [9.2362e+01, 4.5117e-01, 1.7851e+00],  
 [1.5418e-01, 9.6040e-06, 2.1908e-02],  
 [1.4960e+02, 3.7924e-01, 3.4730e+00],



[1.5246e+02, 3.2848e+00, 4.1899e+00],  
 [1.5663e+01, 1.4122e-02, 5.0194e-01],  
 [1.9972e-01, 1.5497e-05, 2.0631e-02],  
 [2.1982e+02, 2.5473e+00, 4.3817e+00],  
 [5.4971e-01, 7.9814e-05, 8.1050e-02],  
 [2.0846e-01, 2.5675e-05, 2.5620e-02],  
 [9.0581e+01, 1.8691e+00, 2.3224e+00],  
 [3.3301e-01, 1.3495e-05, 3.5966e-02],  
 [5.3994e+01, 5.0409e-01, 1.6029e+00],  
 [6.8586e-01, 3.3183e-05, 5.8261e-02],  
 [4.9640e-01, 1.6762e-04, 6.0686e-02],  
 [8.1006e-01, 3.2052e-05, 5.0565e-02],  
 [9.6054e-01, 1.9659e-05, 6.6718e-02],  
 [5.1551e+01, 3.2066e-01, 1.8214e+00],  
 [4.1099e+01, 1.1931e-01, 2.0391e+00],  
 [3.6048e-01, 6.4925e-05, 3.4764e-02],  
 [4.7674e-01, 1.8628e-04, 5.1162e-02],  
 [1.0073e-02, 2.5163e-08, 1.5255e-03],  
 [1.9550e-01, 2.4480e-05, 1.9547e-02],  
 [4.6570e+01, 4.7815e-01, 1.9556e+00],  
 [7.2131e+00, 1.2504e-02, 6.4897e-01],  
 [6.9390e-01, 5.2961e-05, 5.9119e-02],  
 [1.1220e+02, 6.8673e-01, 2.5096e+00],  
 [5.5572e+00, 2.2980e-02, 4.6985e-01],  
 [5.2232e+00, 3.0570e-03, 2.5971e-01],  
 [2.2038e+01, 1.3336e-01, 1.9430e+00],  
 [2.2366e+00, 1.4467e-03, 1.7437e-01],  
 [3.2093e+01, 1.0611e-01, 1.6046e+00],  
 [5.1974e+01, 5.1486e-01, 2.8545e+00],  
 [3.0124e+01, 9.3169e-02, 1.1155e+00],  
 [1.0717e+02, 5.7377e-01, 2.9456e+00],  
 [1.6938e+01, 6.8198e-03, 7.7444e-01],  
 [6.2776e-02, 2.3087e-06, 7.9273e-03],  
 [1.2463e-02, 2.6633e-08, 1.8565e-03],  
 [6.4880e+01, 1.7648e-01, 1.6487e+00],  
 [2.4936e+01, 4.4589e-02, 1.1168e+00],  
 [1.7231e+00, 3.5345e-04, 1.6327e-01],  
 [1.4383e-01, 2.7329e-05, 1.8528e-02],  
 [7.9799e+00, 1.4496e-02, 7.2311e-01],  
 [2.7919e+01, 1.1029e-01, 8.6371e-01],  
 [4.8243e+01, 1.5949e-02, 1.4021e+00],  
 [3.1410e-02, 1.1302e-07, 4.5669e-03],  
 [7.5732e+01, 1.8050e-01, 1.8462e+00],  
 [4.9833e+00, 1.4722e-03, 2.4115e-01],  
 [8.5775e+01, 1.4833e+00, 4.0281e+00],  
 [1.3014e+01, 4.4247e-02, 5.3513e-01],  
 [1.6998e-01, 7.4996e-07, 1.8749e-02],  
 [1.1791e+01, 3.0377e-02, 6.7639e-01],

[3.1022e+01, 2.5195e-01, 1.6342e+00],  
[1.2212e-02, 5.1090e-08, 1.8721e-03],  
[3.7237e+00, 3.3960e-03, 2.8274e-01],  
[2.9036e-01, 2.2384e-05, 2.7558e-02],  
[2.4109e+02, 1.1190e+01, 5.0103e+00],  
[1.7232e-02, 4.0567e-08, 2.6383e-03],  
[5.8551e-01, 5.6531e-05, 5.5482e-02],  
[3.3551e+00, 2.0773e-03, 3.2010e-01],  
[1.0399e+02, 5.0874e-01, 3.0541e+00],  
[2.8616e+00, 2.3417e-03, 2.7752e-01],  
[1.0905e-01, 4.5322e-06, 1.5338e-02],  
[5.1178e-01, 1.0640e-04, 4.5058e-02],  
[3.9413e+01, 1.6918e-01, 1.3523e+00],  
[3.0319e-01, 4.7444e-05, 3.3242e-02],  
[4.0804e+01, 2.4628e-01, 1.5076e+00],  
[4.5391e+00, 7.2847e-04, 2.1892e-01],  
[8.2118e-01, 4.3246e-04, 7.1020e-02],  
[1.1770e+02, 2.5391e+00, 3.7692e+00],  
[2.6338e+00, 1.5688e-03, 1.9715e-01],  
[3.4663e-02, 6.8227e-07, 4.7544e-03],  
[2.9596e+01, 1.2240e-01, 8.0593e-01],  
[1.7446e+02, 3.2160e+00, 3.5623e+00],  
[2.6651e-02, 6.7692e-08, 3.8803e-03],  
[1.6793e-01, 2.0769e-05, 2.0547e-02],  
[1.1444e+01, 6.3556e-02, 1.0656e+00],  
[1.4809e-01, 1.8593e-05, 1.6766e-02],  
[2.0728e-01, 1.6472e-05, 2.6725e-02],  
[7.8813e-04, 2.3125e-10, 1.2826e-04],  
[1.9218e-01, 4.9467e-06, 2.4712e-02],  
[1.9681e+01, 1.5159e-02, 1.6273e+00],  
[1.0972e+02, 1.7931e-01, 4.0718e+00],  
[1.8014e+01, 1.8975e-02, 1.0226e+00],  
[1.3077e+02, 3.2336e+00, 3.7034e+00],  
[1.2395e+01, 2.9440e-02, 4.8766e-01],  
[6.5277e+00, 3.1572e-03, 2.4607e-01],  
[1.8719e+01, 6.5000e-03, 6.8204e-01],  
[7.9324e-02, 1.4312e-06, 1.0545e-02],  
[8.8372e+00, 2.4605e-02, 8.9938e-01],  
[2.3867e+01, 3.0783e-02, 7.2698e-01],  
[2.8430e-02, 1.4821e-07, 3.9196e-03],  
[5.4655e-01, 1.0485e-06, 4.0186e-02],  
[8.1746e+01, 8.7141e-01, 3.7564e+00],  
[2.7688e+01, 2.1032e-01, 9.2148e-01],  
[2.8845e-01, 6.2836e-05, 3.4104e-02],  
[3.9564e-01, 4.5073e-06, 4.0611e-02],  
[1.1368e+00, 4.0173e-04, 1.1170e-01],  
[1.5422e+00, 3.5099e-05, 1.3630e-01],  
[6.9105e-02, 2.6822e-06, 8.7506e-03],

[8.0050e+01, 2.7823e-01, 3.8086e+00],  
 [6.5630e+00, 2.5681e-03, 4.1111e-01],  
 [1.2036e+00, 2.3800e-05, 8.5363e-02],  
 [1.1948e+02, 5.5106e-01, 2.6544e+00],  
 [3.4319e+00, 1.3591e-03, 1.7110e-01],  
 [9.3020e-02, 7.3152e-07, 1.2763e-02],  
 [1.7422e-01, 1.4466e-05, 2.1333e-02],  
 [4.0092e+00, 2.5157e-03, 2.8988e-01],  
 [5.4159e+00, 4.8986e-04, 3.5262e-01],  
 [3.6574e+01, 2.7278e-01, 1.6876e+00],  
 [3.4533e+00, 7.0090e-04, 2.4331e-01],  
 [6.6675e+00, 1.5749e-02, 3.4978e-01],  
 [4.4521e+00, 7.1656e-03, 3.5078e-01],  
 [5.4463e+01, 2.8687e-01, 1.9434e+00],  
 [9.2585e+01, 6.7093e-01, 2.9164e+00],  
 [2.4361e+00, 6.8547e-04, 2.2956e-01],  
 [1.4500e+02, 6.5330e+00, 4.2548e+00],  
 [1.0717e+02, 1.8963e+00, 2.7198e+00],  
 [4.5975e+01, 9.4056e-02, 2.6718e+00],  
 [8.2941e-02, 6.1727e-06, 1.1074e-02],  
 [9.1806e+01, 8.4534e-01, 3.3413e+00],  
 [5.2980e+00, 1.1470e-02, 3.3547e-01],  
 [2.3404e+02, 9.6376e+00, 4.3402e+00],  
 [1.9755e-01, 3.2838e-05, 2.3733e-02],  
 [2.1087e+02, 3.8736e+00, 4.1223e+00],  
 [4.7336e+01, 3.5642e-01, 1.5336e+00],  
 [8.7625e-02, 1.1862e-06, 1.3404e-02],  
 [7.1508e+01, 1.7235e+00, 2.7392e+00],  
 [2.1147e+01, 2.5101e-02, 1.3956e+00],  
 [1.9013e+02, 5.1290e+00, 3.7811e+00],  
 [1.7859e+00, 3.6203e-04, 2.0128e-01],  
 [2.7493e+01, 7.6854e-02, 7.2244e-01],  
 [1.8570e-01, 2.8867e-05, 1.9896e-02],  
 [1.6300e+01, 1.2850e-02, 6.1036e-01],  
 [1.3139e+01, 8.4501e-03, 1.1822e+00],  
 [4.6694e+01, 7.3909e-01, 2.2797e+00],  
 [2.3122e+01, 8.3211e-02, 1.0669e+00],  
 [1.5395e+02, 7.1319e-01, 2.5023e+00],  
 [5.3837e+01, 3.6156e-01, 1.1477e+00],  
 [1.4633e+01, 1.1120e-02, 5.5623e-01],  
 [4.2030e-01, 4.2888e-05, 3.4945e-02],  
 [1.5796e+02, 1.3260e+00, 3.7320e+00],  
 [9.8053e+01, 3.0090e-01, 4.2726e+00],  
 [3.2127e-02, 1.1246e-06, 4.6194e-03],  
 [4.7883e+01, 2.4611e-01, 1.8704e+00],  
 [3.1219e+01, 6.0460e-02, 7.5951e-01],  
 [2.9975e+02, 7.0043e+00, 4.6816e+00],  
 [2.9735e+01, 1.8771e-01, 1.8643e+00],

```

[7.3723e-02, 5.8086e-06, 9.9628e-03],
[4.2342e+01, 3.5607e-01, 2.2758e+00],
[4.3080e+00, 3.4409e-03, 2.5846e-01],
[9.8099e+00, 4.2423e-02, 1.0260e+00],
[1.6782e+00, 1.0732e-03, 1.7344e-01],
[4.8093e-03, 1.0533e-08, 7.7354e-04],
[8.8893e+01, 6.1344e-01, 1.6967e+00],
[4.6552e+01, 1.2088e-01, 1.2274e+00],
[1.2894e+01, 1.6658e-02, 1.1432e+00],
[3.4686e-02, 1.1460e-06, 5.2266e-03],
[3.6377e+01, 1.4603e-01, 1.2932e+00],
[1.0156e+02, 1.3795e-01, 3.2945e+00],
[2.1441e-01, 1.0039e-05, 2.1610e-02],
[1.1480e-01, 4.1110e-06, 1.5225e-02],
[2.2820e-02, 7.9683e-07, 3.3300e-03],
[4.4730e-01, 9.2614e-05, 5.3630e-02],
[2.2951e-01, 3.0653e-05, 2.9433e-02],
[3.3172e+01, 3.6452e-01, 1.8793e+00],
[7.8653e-02, 8.3852e-07, 1.1640e-02],
[7.4267e+01, 3.7336e-01, 3.8475e+00],
[2.2667e+01, 5.9480e-03, 8.9033e-01],
[2.6020e+00, 6.9607e-05, 1.6608e-01],
[8.7150e+01, 4.0843e-01, 1.4982e+00],
[1.1970e+02, 3.8562e+00, 2.9200e+00],
[3.5017e+01, 3.7498e-01, 1.4730e+00],
[1.7448e+00, 9.9045e-04, 1.3311e-01],
[2.1106e+01, 6.5661e-02, 7.1754e-01],
[7.1043e+00, 2.4672e-03, 2.6968e-01]], dtype=torch.float64)
Iteration: 72
Inputs: tensor([[9.4347e+20, 6.7367e+01, 1.8584e+01, 2.8943e+00],
[5.9108e+20, 2.6614e+02, 1.8814e+01, 5.5849e+00],
[4.1763e+18, 4.3360e+02, 5.2901e+00, 6.0568e+00],
...,
[5.5507e+20, 3.6127e+01, 4.9443e+00, 7.5525e+00],
[2.5807e+20, 1.0284e+02, 5.2440e+00, 3.8565e+00],
[2.8302e+18, 3.1214e+02, 7.5448e+00, 9.1637e+00]], dtype=torch.float64)
Target: tensor([[1.1757e+01, 3.9957e-02, 1.2794e+00],
[8.5076e+01, 1.3987e+00, 3.3868e+00],
[2.2171e+00, 4.7128e-04, 1.2772e-01],
[7.4739e+01, 7.6511e-02, 2.2553e+00],
[9.6298e-01, 2.8190e-04, 7.6687e-02],
[1.9721e+01, 7.8692e-02, 1.1064e+00],
[1.2489e+01, 2.2760e-02, 6.3647e-01],
[1.6184e+02, 3.7624e+00, 4.5094e+00],
[6.3812e+00, 1.1062e-03, 3.3977e-01],
[2.2515e-01, 2.2135e-05, 2.4147e-02],
[1.3598e+02, 3.3342e+00, 4.1553e+00],
[1.4663e+01, 6.1089e-02, 6.5355e-01],

```

[7.4250e-01, 7.2287e-05, 5.7983e-02],  
[9.9403e+01, 3.8838e-01, 2.0638e+00],  
[7.8026e+01, 1.4898e+00, 3.1328e+00],  
[1.9373e+01, 7.5954e-02, 7.3058e-01],  
[1.7223e-01, 2.2331e-05, 1.7403e-02],  
[2.0021e+00, 4.8903e-04, 1.4180e-01],  
[2.3943e+01, 4.8866e-02, 1.4347e+00],  
[1.9603e+02, 7.4136e+00, 4.4368e+00],  
[1.1801e-02, 8.4426e-08, 1.8420e-03],  
[7.2887e-01, 1.6840e-04, 6.6570e-02],  
[2.9276e-01, 1.8840e-05, 3.2925e-02],  
[1.5701e+01, 7.5431e-02, 8.7542e-01],  
[2.2084e+01, 1.8080e-02, 7.5034e-01],  
[2.8169e+00, 1.2869e-03, 2.8738e-01],  
[3.2557e-02, 1.2004e-07, 4.5624e-03],  
[3.5859e+01, 1.1193e-01, 1.2359e+00],  
[1.4977e+00, 4.1403e-04, 1.5175e-01],  
[3.1007e+00, 2.5882e-03, 2.9536e-01],  
[1.7902e+00, 4.6116e-04, 1.3482e-01],  
[1.8888e+02, 2.7066e+00, 3.3335e+00],  
[1.8959e+00, 3.1273e-04, 1.2494e-01],  
[8.0138e+00, 8.5342e-03, 4.5987e-01],  
[4.4102e+00, 3.6535e-03, 2.4895e-01],  
[3.3176e-01, 4.6340e-05, 3.2549e-02],  
[1.0769e-01, 1.0183e-05, 1.2860e-02],  
[7.0705e+00, 9.8465e-03, 3.6933e-01],  
[4.5519e-01, 2.0085e-05, 3.3001e-02],  
[3.0457e+02, 2.4581e+00, 5.0455e+00],  
[3.8271e+01, 1.5539e-02, 2.0695e+00],  
[1.4243e+02, 2.0972e-01, 2.7432e+00],  
[5.5574e-01, 5.8241e-05, 6.9555e-02],  
[5.1039e+00, 4.2313e-03, 3.6200e-01],  
[2.6265e-01, 2.6344e-06, 3.1140e-02],  
[2.2120e+02, 9.6072e+00, 4.9879e+00],  
[1.1067e+01, 5.3988e-03, 6.0059e-01],  
[6.9174e+01, 5.4344e-02, 1.3382e+00],  
[2.2146e-01, 7.3630e-06, 2.3867e-02],  
[5.6242e+00, 4.1216e-03, 3.2058e-01],  
[2.1739e+01, 5.7757e-02, 1.1688e+00],  
[4.6649e+00, 1.0860e-03, 3.6650e-01],  
[2.1232e-01, 1.1955e-05, 2.9102e-02],  
[6.7180e+01, 2.5596e-01, 2.5838e+00],  
[1.4918e+01, 7.6967e-02, 6.5653e-01],  
[5.4243e+01, 8.7686e-01, 2.0927e+00],  
[3.3750e+01, 2.7315e-01, 2.2943e+00],  
[1.0897e+01, 2.0034e-02, 6.2233e-01],  
[8.3913e-02, 1.0959e-06, 1.0089e-02],  
[1.5381e-01, 8.2199e-06, 1.7936e-02],

[6.5090e+01, 4.7004e-01, 3.0964e+00],  
[8.8220e-01, 1.6316e-04, 8.8174e-02],  
[2.3654e+00, 6.2911e-04, 1.1731e-01],  
[1.6749e+00, 3.0389e-04, 1.1275e-01],  
[7.1726e+01, 2.2876e-01, 1.3592e+00],  
[2.8605e-01, 4.8590e-06, 2.7931e-02],  
[1.5866e+00, 1.5188e-03, 1.8570e-01],  
[9.3324e-01, 3.7002e-04, 1.0742e-01],  
[8.5474e+01, 2.5183e+00, 2.6707e+00],  
[1.1424e+00, 4.9886e-05, 1.2365e-01],  
[2.5138e+01, 1.1116e-01, 1.6625e+00],  
[4.4548e+00, 2.8262e-03, 2.5412e-01],  
[9.3581e-01, 2.2642e-04, 1.0296e-01],  
[1.4295e-01, 1.5644e-06, 1.6686e-02],  
[5.8874e+00, 2.1022e-02, 5.3378e-01],  
[8.3083e+00, 5.1021e-04, 2.9168e-01],  
[4.6553e+00, 3.0524e-03, 3.0727e-01],  
[5.2246e+01, 2.5193e-01, 2.2175e+00],  
[1.2448e+01, 2.1339e-02, 5.3428e-01],  
[2.4042e+00, 1.8076e-03, 2.8214e-01],  
[4.5347e+00, 1.1293e-03, 3.9770e-01],  
[3.0607e+01, 1.4907e-01, 9.9595e-01],  
[1.2199e-01, 2.3692e-06, 1.6564e-02],  
[2.8657e+00, 9.1539e-04, 1.7114e-01],  
[1.4834e-01, 2.4257e-06, 2.0725e-02],  
[3.6774e+00, 2.2309e-03, 2.0416e-01],  
[7.9129e+01, 5.9262e-01, 3.0741e+00],  
[3.0882e+00, 1.3251e-03, 2.9475e-01],  
[2.1291e-01, 1.5983e-05, 3.0203e-02],  
[4.6358e+01, 3.9419e-01, 1.2426e+00],  
[7.3034e+00, 1.2478e-03, 2.9740e-01],  
[1.8192e-03, 2.0613e-09, 2.8976e-04],  
[5.1087e+01, 2.8137e-01, 1.8687e+00],  
[6.3843e+01, 6.6544e-01, 3.6260e+00],  
[1.5395e+01, 1.2070e-02, 1.1421e+00],  
[1.1645e+02, 2.4279e+00, 2.7102e+00],  
[4.9536e-03, 7.0165e-09, 7.6628e-04],  
[1.9191e-01, 9.4052e-07, 2.2588e-02],  
[1.0607e+01, 2.1039e-02, 5.6589e-01],  
[1.4764e-01, 1.4120e-06, 1.7113e-02],  
[5.6566e-02, 5.9460e-07, 7.4791e-03],  
[4.7318e+01, 9.0141e-02, 3.1825e+00],  
[1.8689e-02, 5.7633e-08, 2.6864e-03],  
[2.0900e+00, 4.6579e-04, 1.4267e-01],  
[2.7519e-01, 1.5608e-05, 3.2429e-02],  
[6.4134e+00, 1.9366e-02, 6.1910e-01],  
[3.5869e-01, 1.2971e-05, 3.9542e-02],  
[2.5555e-01, 1.9842e-05, 2.9453e-02],

[5.3552e+00, 5.9309e-03, 4.2765e-01],  
 [1.2602e+01, 1.0987e-02, 3.7330e-01],  
 [1.9578e+01, 7.9902e-02, 7.3514e-01],  
 [8.6100e-03, 1.3776e-08, 1.3734e-03],  
 [6.7382e+01, 1.8126e-01, 2.8951e+00],  
 [3.1192e-02, 7.1520e-08, 4.3592e-03],  
 [3.1805e+00, 1.4132e-03, 1.8775e-01],  
 [9.9411e+00, 5.0494e-02, 1.1194e+00],  
 [5.0129e+01, 3.5978e-01, 2.7256e+00],  
 [9.2366e+00, 9.7582e-03, 3.2022e-01],  
 [5.7316e+01, 1.4756e-01, 2.8141e+00],  
 [1.5125e-02, 5.3410e-08, 2.4062e-03],  
 [7.0454e+00, 1.5652e-03, 4.2894e-01],  
 [9.6067e-02, 5.3038e-06, 1.2973e-02],  
 [5.9067e-02, 3.7761e-07, 8.3607e-03],  
 [3.5342e+01, 4.1680e-01, 1.3057e+00],  
 [4.1524e-01, 2.1823e-05, 4.0106e-02],  
 [8.5763e-03, 7.4849e-08, 1.3314e-03],  
 [1.9342e+00, 1.6519e-03, 1.4690e-01],  
 [1.4388e+01, 3.1300e-02, 6.9348e-01],  
 [1.2613e+02, 4.8599e+00, 3.8401e+00],  
 [2.4940e+00, 1.5795e-03, 1.6541e-01],  
 [2.3694e+00, 8.2537e-04, 1.8648e-01],  
 [2.9346e+00, 7.1899e-04, 2.2770e-01],  
 [6.8698e+01, 8.5433e-01, 1.9631e+00],  
 [3.2986e+00, 2.6249e-03, 3.5986e-01],  
 [9.8315e+01, 1.5074e+00, 1.8600e+00],  
 [2.3150e-01, 3.9803e-05, 3.0394e-02],  
 [6.1850e-01, 7.9032e-05, 7.9029e-02],  
 [2.1181e+01, 7.7846e-02, 7.8241e-01],  
 [1.4491e+01, 4.1871e-02, 5.9214e-01],  
 [8.0209e+01, 9.9954e-01, 2.5286e+00],  
 [2.8380e+01, 2.8323e-01, 1.4895e+00],  
 [8.1190e-02, 3.6216e-06, 1.0642e-02],  
 [3.5845e-03, 2.9243e-09, 5.7442e-04],  
 [7.5954e+01, 3.5704e-01, 3.2210e+00],  
 [4.5945e-02, 2.4906e-07, 6.7496e-03],  
 [2.6370e-02, 5.0963e-08, 3.7509e-03],  
 [5.5581e+01, 9.0773e-01, 1.8638e+00],  
 [1.2299e+01, 2.7500e-03, 4.8821e-01],  
 [2.0588e+02, 4.2337e+00, 4.4320e+00],  
 [2.7051e+01, 9.0859e-03, 9.6693e-01],  
 [1.7198e+00, 4.4543e-03, 2.1565e-01],  
 [2.4518e+01, 1.0775e-01, 1.1638e+00],  
 [4.1599e-01, 5.3490e-05, 5.2813e-02],  
 [4.1042e+01, 7.5921e-01, 2.8437e+00],  
 [1.3870e+01, 7.9066e-02, 8.2694e-01],  
 [1.1435e+01, 9.1275e-03, 7.8747e-01],

[1.6181e+00, 7.3384e-04, 1.1375e-01],  
 [2.1938e+01, 1.2367e-01, 9.2729e-01],  
 [1.4705e+01, 2.6272e-02, 8.2766e-01],  
 [2.6028e+00, 2.8225e-03, 2.3534e-01],  
 [1.5647e+01, 1.2714e-02, 5.6358e-01],  
 [9.8489e-02, 8.6781e-07, 1.3526e-02],  
 [3.0724e-02, 2.6497e-07, 4.6940e-03],  
 [4.0351e+01, 3.9792e-01, 1.2485e+00],  
 [1.9651e+01, 3.8020e-02, 9.0400e-01],  
 [6.9131e+00, 1.7193e-02, 4.5782e-01],  
 [6.1238e+01, 1.2900e+00, 2.9917e+00],  
 [3.1914e+00, 4.7395e-03, 2.2254e-01],  
 [1.4477e-01, 1.1393e-05, 1.5582e-02],  
 [5.3506e-01, 2.1426e-04, 6.1919e-02],  
 [2.6021e-03, 1.0494e-09, 4.1438e-04],  
 [7.3850e+01, 3.8997e-02, 1.4630e+00],  
 [7.2965e-02, 1.0877e-06, 9.1828e-03],  
 [4.3412e+00, 2.4880e-03, 2.1087e-01],  
 [4.1531e+01, 2.4865e-02, 1.8282e+00],  
 [1.7844e+00, 2.2547e-04, 1.3348e-01],  
 [9.3993e+01, 1.4012e+00, 3.9449e+00],  
 [5.3013e+00, 4.1138e-03, 5.8261e-01],  
 [2.1411e+00, 1.0167e-03, 1.9698e-01],  
 [5.0000e+01, 6.4720e-02, 2.0475e+00],  
 [2.2823e+01, 1.2332e-01, 9.1381e-01],  
 [5.1852e-01, 5.8604e-05, 4.9883e-02],  
 [1.4484e+02, 3.2455e+00, 2.8214e+00],  
 [1.8753e+00, 9.4047e-04, 1.2226e-01],  
 [1.5078e+01, 1.8375e-02, 6.9266e-01],  
 [7.5420e+00, 6.6839e-03, 6.2277e-01],  
 [2.5355e-01, 9.8740e-06, 2.9961e-02],  
 [6.1764e+01, 1.8727e+00, 3.4557e+00],  
 [1.6967e-01, 6.5922e-06, 2.1616e-02],  
 [6.9246e+00, 1.1009e-02, 4.1929e-01],  
 [8.9784e+01, 6.0042e-01, 2.8423e+00],  
 [2.3807e+01, 7.9561e-02, 9.4603e-01],  
 [1.6285e-01, 2.5508e-05, 2.0395e-02],  
 [1.4906e-01, 2.6792e-05, 1.9837e-02],  
 [1.3314e+00, 2.3303e-04, 1.1895e-01],  
 [9.6715e+01, 1.8642e+00, 2.6891e+00],  
 [1.5766e+00, 2.6586e-04, 1.6714e-01],  
 [1.4941e+00, 2.5164e-04, 1.6839e-01],  
 [1.8694e-03, 1.2675e-09, 2.9924e-04],  
 [1.0190e+02, 4.6977e-01, 4.0300e+00],  
 [1.5092e+02, 4.5723e+00, 4.4190e+00],  
 [8.7806e+00, 8.4445e-03, 7.0411e-01],  
 [2.1544e+01, 4.5596e-02, 6.3177e-01],  
 [3.4195e+01, 3.6131e-01, 1.5363e+00],



[5.7160e+00, 1.5224e-02, 3.6327e-01],  
 [5.2661e+01, 7.7251e-01, 1.5354e+00],  
 [5.5190e+00, 5.6663e-03, 4.1422e-01],  
 [2.7559e+01, 1.0390e-01, 9.4522e-01],  
 [3.7492e-01, 9.6131e-06, 4.8590e-02],  
 [4.4605e+01, 4.0174e-01, 1.4764e+00],  
 [1.9760e+00, 1.3373e-03, 1.4289e-01],  
 [6.1859e+00, 1.1055e-02, 4.1158e-01],  
 [6.9404e+01, 5.7183e-01, 2.8321e+00],  
 [1.1458e+01, 6.9508e-03, 7.6986e-01],  
 [3.8541e+00, 1.9001e-03, 2.4338e-01],  
 [3.0413e-02, 4.3262e-07, 4.3475e-03],  
 [5.8994e+01, 1.0749e+00, 2.4572e+00],  
 [1.5062e-02, 1.4124e-07, 2.3086e-03],  
 [3.1607e+01, 7.3758e-02, 1.5001e+00],  
 [2.4690e+01, 2.2121e-01, 1.4392e+00],  
 [9.5292e-01, 9.5660e-05, 7.7659e-02],  
 [1.1445e+01, 1.7721e-02, 6.7531e-01],  
 [2.1141e+02, 4.6705e+00, 4.5738e+00],  
 [4.4560e-01, 1.1094e-04, 4.0582e-02],  
 [5.0494e+01, 1.4853e-01, 2.3518e+00],  
 [4.0792e-01, 4.2253e-05, 3.5996e-02],  
 [2.1404e+00, 2.0967e-03, 2.9438e-01],  
 [3.0395e+01, 8.3510e-02, 9.6885e-01],  
 [7.2787e-02, 1.3478e-06, 8.9189e-03],  
 [6.6177e+01, 8.4500e-01, 1.7484e+00],  
 [1.8607e+00, 2.0601e-04, 1.0744e-01],  
 [2.3520e+00, 8.9945e-04, 1.7781e-01],  
 [1.3371e+00, 2.1565e-04, 1.0683e-01],  
 [1.2584e+02, 8.4612e-01, 2.2633e+00],  
 [4.7756e+01, 1.2232e-01, 1.0656e+00],  
 [2.0515e-02, 4.7537e-07, 3.0806e-03],  
 [1.0884e-01, 7.5013e-07, 1.2603e-02],  
 [8.1871e+01, 7.7170e-01, 2.3312e+00],  
 [2.4358e+01, 1.7043e-01, 9.5837e-01],  
 [9.3169e+00, 1.5858e-02, 4.8384e-01],  
 [7.0059e-01, 9.8407e-05, 6.1068e-02],  
 [2.0113e+00, 7.8813e-04, 1.4053e-01],  
 [1.3892e+02, 4.4520e+00, 3.7512e+00],  
 [1.4680e-02, 2.5324e-07, 2.2068e-03],  
 [1.8557e+02, 4.2171e+00, 4.4275e+00],  
 [3.1421e-01, 2.8570e-05, 2.6040e-02],  
 [3.6056e-01, 2.1092e-05, 4.3930e-02],  
 [2.6310e+01, 6.3626e-02, 1.4158e+00],  
 [7.0535e-03, 3.6062e-08, 1.0957e-03],  
 [1.4432e+02, 2.7034e+00, 2.7543e+00],  
 [1.0801e+01, 2.1433e-02, 4.2857e-01],  
 [5.3500e-01, 9.3643e-05, 4.1442e-02],

[1.1116e-01, 6.7843e-06, 1.4449e-02],  
 [2.1033e+00, 1.2832e-04, 1.8595e-01],  
 [1.6530e-01, 1.4967e-06, 1.8499e-02],  
 [4.9905e-01, 7.9034e-05, 6.4194e-02],  
 [1.2000e-02, 1.2280e-08, 1.8063e-03],  
 [5.1313e+00, 1.6746e-03, 2.3857e-01],  
 [2.9948e+01, 2.0377e-02, 2.0550e+00],  
 [2.3161e+02, 5.8267e+00, 4.5985e+00],  
 [7.7309e+01, 6.3924e-01, 2.5412e+00],  
 [1.6372e+01, 9.4874e-02, 8.4219e-01],  
 [2.7499e+00, 3.7927e-04, 1.9603e-01],  
 [2.0779e-02, 6.2937e-07, 2.9505e-03],  
 [1.0493e+02, 2.3229e+00, 4.1191e+00],  
 [2.5713e+00, 1.2488e-03, 1.9758e-01],  
 [8.0735e-01, 4.3195e-04, 7.2991e-02],  
 [6.5118e+00, 1.6649e-02, 3.5642e-01],  
 [3.0228e+00, 2.9914e-03, 1.9693e-01],  
 [6.3293e+01, 4.1887e-01, 1.9377e+00],  
 [5.1767e+00, 1.2771e-03, 3.0799e-01],  
 [3.4250e+01, 2.3728e-01, 1.1385e+00],  
 [6.3064e+01, 5.6544e-01, 2.2461e+00],  
 [1.5751e+00, 2.6822e-04, 9.6589e-02],  
 [7.6523e+01, 7.8946e-01, 3.1483e+00],  
 [9.8722e-02, 4.2602e-06, 1.2046e-02],  
 [1.2530e-01, 1.1342e-05, 1.5001e-02],  
 [2.3050e+00, 4.6328e-04, 2.0036e-01],  
 [1.1279e-01, 4.8681e-06, 1.3914e-02],  
 [3.1851e+01, 7.3975e-02, 1.4791e+00],  
 [3.8694e+01, 1.5180e-01, 1.1741e+00],  
 [1.0805e+01, 2.1485e-02, 7.2846e-01],  
 [2.5926e-01, 1.5842e-05, 2.6715e-02],  
 [4.8014e-01, 5.3158e-05, 3.6557e-02],  
 [7.6409e-03, 4.8010e-08, 1.1754e-03],  
 [1.4595e+02, 3.7015e+00, 3.5763e+00],  
 [1.6094e+02, 2.2241e+00, 3.2398e+00],  
 [6.9320e+00, 4.9704e-03, 5.0411e-01],  
 [1.7200e+01, 4.4531e-02, 7.2844e-01],  
 [1.0093e-01, 2.9670e-06, 1.4993e-02],  
 [8.5680e-02, 5.9296e-06, 1.1031e-02],  
 [1.3103e+00, 1.0891e-04, 8.2828e-02],  
 [7.1285e+00, 1.5723e-02, 3.7398e-01],  
 [3.7089e-01, 8.6799e-05, 4.1669e-02],  
 [5.8393e+01, 7.5682e-02, 3.0903e+00],  
 [2.6538e+01, 7.4170e-02, 1.0432e+00],  
 [2.0706e+01, 5.4883e-02, 6.2062e-01],  
 [7.2494e+00, 4.6273e-03, 4.3114e-01],  
 [5.6887e-01, 2.4833e-04, 7.7145e-02],  
 [1.0348e+00, 2.4309e-04, 9.1906e-02],

```

[1.4065e+00, 1.7819e-04, 8.4259e-02],
[2.7357e+00, 1.3369e-04, 2.4230e-01],
[9.8414e+01, 1.6337e+00, 3.8487e+00],
[3.2301e+01, 2.2698e-01, 1.3307e+00],
[1.2148e+01, 2.8474e-02, 7.5065e-01],
[3.1893e+02, 3.1725e+00, 5.1156e+00],
[1.2271e-01, 4.3161e-06, 1.4656e-02],
[3.8586e+01, 1.7342e-01, 1.5748e+00],
[7.1486e+01, 2.8255e-01, 1.3624e+00],
[7.8544e+00, 1.8736e-02, 6.5898e-01],
[2.0860e+00, 3.9333e-04, 1.8885e-01],
[3.1486e+01, 8.7813e-02, 9.8920e-01],
[3.6081e-01, 1.0367e-04, 4.4059e-02],
[3.1275e-01, 1.8909e-05, 3.9709e-02],
[4.8479e+01, 1.6744e-01, 1.3349e+00],
[1.9786e+00, 4.0062e-04, 1.1962e-01],
[3.6853e+01, 2.7921e-01, 1.7936e+00],
[2.6366e+01, 1.8520e-01, 2.0215e+00],
[3.2634e+01, 7.4288e-02, 1.8234e+00],
[9.0552e-01, 2.4069e-04, 6.9660e-02]], dtype=torch.float64)
Iteration: 73
Inputs: tensor([[4.8304e+18, 4.7033e+02, 1.4908e+01, 8.1725e+00],
               [3.8608e+19, 8.7614e+01, 5.0116e+00, 5.5351e+00],
               [1.3895e+18, 3.7985e+02, 1.4983e+01, 2.9835e+00],
               ...,
               [7.7648e+20, 1.8885e+02, 1.1877e+00, 7.5516e+00],
               [6.9303e+19, 4.6319e+02, 1.5720e+01, 5.5756e+00],
               [3.1224e+20, 3.2523e+02, 1.4470e+01, 4.5928e+00]], dtype=torch.float64)
Target: tensor([[1.8749e+00, 1.0933e-03, 1.2563e-01],
               [6.0540e+00, 6.0539e-03, 4.5764e-01],
               [6.0000e-02, 8.8573e-07, 7.8256e-03],
               [2.1806e+02, 5.3311e+00, 4.4124e+00],
               [1.5114e+00, 1.7566e-04, 1.0596e-01],
               [6.1229e+01, 7.2005e-01, 2.0130e+00],
               [4.5757e+01, 3.5911e-01, 1.8941e+00],
               [1.3041e+01, 1.5356e-02, 9.5177e-01],
               [3.0964e-01, 5.7804e-05, 3.4370e-02],
               [1.3953e+00, 2.1808e-04, 7.5230e-02],
               [9.7183e-02, 2.0079e-06, 1.2582e-02],
               [4.6156e-02, 2.8623e-07, 6.5151e-03],
               [1.6968e+01, 3.9430e-02, 5.5506e-01],
               [5.3534e-01, 4.6564e-05, 4.1719e-02],
               [4.6449e+01, 1.0280e+00, 2.7031e+00],
               [9.4692e-01, 5.5903e-04, 1.1044e-01],
               [1.4938e+00, 3.4280e-04, 9.6566e-02],
               [1.5198e+00, 8.9612e-04, 1.9800e-01],
               [6.0323e-01, 4.1968e-05, 4.8351e-02],
               [6.3833e+01, 7.0567e-01, 1.4343e+00],

```

[5.2899e+00, 8.4781e-03, 5.4573e-01],  
[5.2801e+00, 1.2731e-02, 4.5262e-01],  
[9.3335e+01, 6.1117e-01, 1.7964e+00],  
[8.7276e+00, 1.6441e-02, 4.9206e-01],  
[6.4715e+01, 1.1954e+00, 1.6514e+00],  
[3.8902e+00, 2.1237e-03, 1.9878e-01],  
[1.7502e+01, 4.3268e-02, 9.7810e-01],  
[9.1923e+01, 1.5574e-01, 2.1271e+00],  
[2.0382e-01, 1.9853e-06, 2.7380e-02],  
[1.5049e-02, 7.5128e-08, 2.2344e-03],  
[7.3900e-01, 7.5709e-05, 7.5148e-02],  
[8.1140e+01, 9.3249e-01, 3.1994e+00],  
[2.2281e+00, 1.7403e-04, 1.5047e-01],  
[5.3061e-01, 3.0358e-05, 6.1512e-02],  
[4.5913e+01, 8.6567e-01, 2.4441e+00],  
[5.0671e+00, 7.3198e-03, 3.1883e-01],  
[1.7621e+02, 5.3347e+00, 3.8665e+00],  
[1.4864e+02, 6.0629e-01, 2.9744e+00],  
[2.2614e+00, 6.6873e-04, 1.3648e-01],  
[7.4352e-01, 7.2451e-05, 9.0084e-02],  
[2.7988e+00, 6.1301e-03, 3.0432e-01],  
[2.6557e+01, 1.2154e-01, 1.2822e+00],  
[9.7626e-01, 1.3311e-04, 7.7935e-02],  
[4.8789e-01, 6.9060e-05, 6.0360e-02],  
[4.3945e+01, 4.1789e-01, 1.9584e+00],  
[1.8198e+00, 3.6415e-04, 1.7770e-01],  
[1.2042e+01, 2.0249e-02, 6.9538e-01],  
[1.0945e+00, 4.0239e-04, 8.8416e-02],  
[3.2452e-01, 1.0954e-05, 4.2446e-02],  
[3.6161e+00, 7.5683e-04, 3.4267e-01],  
[9.4856e-02, 7.9406e-06, 1.3167e-02],  
[4.2489e+01, 4.4872e-01, 2.5194e+00],  
[1.3839e+01, 1.0502e-02, 5.4765e-01],  
[1.0097e+00, 1.5739e-04, 9.8078e-02],  
[1.1188e+01, 1.8461e-02, 4.5305e-01],  
[1.7393e+00, 2.2078e-03, 1.8751e-01],  
[9.7508e+01, 1.3763e+00, 4.0968e+00],  
[5.4087e+01, 5.2150e-02, 1.6698e+00],  
[3.4707e+01, 2.1364e-01, 1.7193e+00],  
[6.1638e+01, 1.2510e-01, 1.2628e+00],  
[5.6646e+00, 9.9347e-03, 3.1770e-01],  
[1.4653e+02, 4.8894e+00, 3.5445e+00],  
[2.5201e+01, 2.9213e-02, 1.7407e+00],  
[2.8075e+01, 2.7226e-01, 1.6384e+00],  
[1.5165e+00, 7.3231e-04, 1.0799e-01],  
[6.4304e+01, 9.0860e-01, 2.2653e+00],  
[4.2762e-01, 6.5183e-05, 3.5515e-02],  
[5.0069e+01, 2.9885e-01, 1.3547e+00],

[8.0042e+01, 3.3714e-01, 2.1801e+00],  
 [4.3211e-02, 2.4242e-07, 6.0080e-03],  
 [3.3080e+01, 1.1028e-01, 1.6372e+00],  
 [7.1059e-02, 7.2617e-07, 8.8857e-03],  
 [5.3153e-03, 7.3831e-09, 8.3940e-04],  
 [7.8921e+01, 8.3134e-01, 1.9869e+00],  
 [3.1000e-01, 3.7393e-05, 2.6970e-02],  
 [2.2196e+00, 1.3572e-04, 1.8117e-01],  
 [9.5007e+00, 1.2924e-02, 6.4914e-01],  
 [2.2771e+01, 1.3289e-01, 9.6078e-01],  
 [4.7238e-01, 2.5231e-05, 6.0889e-02],  
 [3.0120e+01, 1.5916e-02, 1.0027e+00],  
 [2.3699e+01, 1.8554e-01, 9.5963e-01],  
 [7.3809e+01, 1.5038e+00, 2.5007e+00],  
 [2.7637e+00, 1.4914e-04, 1.3441e-01],  
 [7.5034e+01, 5.6798e-01, 2.7052e+00],  
 [3.7167e+00, 7.7372e-04, 3.4484e-01],  
 [6.0699e-01, 1.1368e-04, 4.9501e-02],  
 [1.0167e+00, 6.3603e-04, 9.5874e-02],  
 [6.8046e+01, 6.2828e-01, 3.1889e+00],  
 [7.6615e+00, 6.1898e-03, 5.2576e-01],  
 [5.1448e-01, 1.2766e-04, 6.6882e-02],  
 [7.8079e+00, 7.4553e-03, 5.8930e-01],  
 [1.0853e+01, 1.2962e-02, 4.3851e-01],  
 [2.1719e-01, 3.3574e-06, 2.7763e-02],  
 [2.2867e-01, 3.2584e-05, 2.4630e-02],  
 [5.1447e+01, 4.5776e-01, 2.0190e+00],  
 [2.6981e-01, 8.7117e-05, 3.3705e-02],  
 [8.3640e+00, 2.5515e-02, 4.1887e-01],  
 [1.7358e+01, 2.6867e-02, 6.5902e-01],  
 [5.3423e+01, 1.2358e+00, 3.2338e+00],  
 [3.6993e-01, 4.3535e-06, 2.8548e-02],  
 [8.2845e+00, 9.7604e-03, 4.8405e-01],  
 [4.3213e-03, 1.8443e-08, 6.8342e-04],  
 [2.0121e-01, 2.8234e-05, 2.5179e-02],  
 [4.7479e+01, 3.4301e-01, 1.5087e+00],  
 [1.5782e+00, 1.3068e-03, 1.1478e-01],  
 [2.2766e+00, 1.9366e-03, 1.7211e-01],  
 [9.0842e+01, 3.7873e-01, 4.0155e+00],  
 [8.2257e-02, 3.7634e-06, 1.1108e-02],  
 [3.3183e-01, 2.3856e-05, 3.3728e-02],  
 [4.7523e+01, 4.5400e-01, 1.6130e+00],  
 [1.1460e+02, 3.0472e+00, 2.9935e+00],  
 [1.8614e+00, 2.7258e-04, 1.4889e-01],  
 [8.9317e+00, 6.6788e-03, 7.6920e-01],  
 [2.2223e+01, 4.9634e-02, 1.1878e+00],  
 [1.8811e+01, 3.7875e-02, 5.9943e-01],  
 [2.7441e+00, 1.0349e-04, 1.2800e-01],

[5.7547e-01, 6.8121e-05, 4.6388e-02],  
 [2.5214e+01, 1.6286e-01, 9.1254e-01],  
 [1.5876e+01, 1.0790e-01, 7.1963e-01],  
 [2.0000e+01, 4.0235e-02, 1.1436e+00],  
 [1.2764e+02, 3.3550e+00, 3.1914e+00],  
 [1.7388e+00, 3.3446e-04, 1.4245e-01],  
 [4.1491e+01, 3.7991e-01, 1.7659e+00],  
 [7.2548e+01, 4.4261e-01, 1.8903e+00],  
 [2.9176e+00, 3.8969e-05, 1.3575e-01],  
 [1.2057e+00, 4.9675e-04, 1.3750e-01],  
 [4.7119e+01, 3.7250e-01, 1.6148e+00],  
 [1.5477e+01, 1.9210e-03, 7.9694e-01],  
 [8.7725e+00, 1.5014e-03, 2.9365e-01],  
 [1.5005e+01, 3.9299e-03, 7.2130e-01],  
 [7.3317e-02, 3.9748e-07, 1.0217e-02],  
 [2.8841e-01, 3.4762e-05, 3.3592e-02],  
 [9.4419e+01, 8.7329e-02, 2.1665e+00],  
 [1.1661e-01, 1.2007e-05, 1.4977e-02],  
 [5.9117e-01, 1.3352e-04, 5.9608e-02],  
 [1.0007e+00, 3.0477e-05, 6.1198e-02],  
 [1.1816e+02, 3.1068e+00, 3.9929e+00],  
 [1.1180e+01, 8.8679e-03, 7.8539e-01],  
 [9.2219e-01, 1.5981e-04, 5.9875e-02],  
 [4.6974e-03, 3.6100e-09, 7.4710e-04],  
 [3.0971e+01, 2.8510e-01, 1.3560e+00],  
 [1.1763e-01, 9.3226e-06, 1.3416e-02],  
 [8.7419e+01, 1.1977e+00, 1.8173e+00],  
 [4.6976e+00, 1.3643e-03, 2.8258e-01],  
 [1.6872e+00, 6.3563e-04, 1.8272e-01],  
 [1.1506e+02, 8.8720e-02, 3.0797e+00],  
 [1.6966e+02, 3.8890e+00, 4.2222e+00],  
 [6.0137e+00, 1.8786e-03, 4.7752e-01],  
 [6.5485e+00, 8.6052e-03, 5.5161e-01],  
 [1.5546e+00, 2.7151e-04, 1.2905e-01],  
 [1.2745e+00, 5.9212e-04, 1.0789e-01],  
 [3.3698e+00, 4.4273e-03, 2.0342e-01],  
 [2.0219e+01, 1.1995e-01, 9.3652e-01],  
 [8.6076e-01, 3.1230e-04, 7.8067e-02],  
 [7.2577e+01, 2.0660e-01, 3.0470e+00],  
 [6.1973e-02, 9.9169e-07, 8.1446e-03],  
 [5.1397e+01, 1.6341e-01, 2.2701e+00],  
 [9.2179e+00, 3.7058e-03, 6.6747e-01],  
 [1.3384e+01, 8.9958e-03, 4.0288e-01],  
 [7.5787e+01, 3.8186e-01, 1.8951e+00],  
 [8.6015e+01, 8.7359e-01, 1.9573e+00],  
 [6.6259e-03, 3.2732e-08, 1.0315e-03],  
 [1.5732e+02, 8.1135e+00, 4.8111e+00],  
 [2.6735e-03, 3.2329e-09, 4.2471e-04],

[3.1197e+01, 4.1572e-02, 2.4913e+00],  
 [2.1835e-01, 1.9813e-05, 2.3939e-02],  
 [7.7429e+01, 1.0488e+00, 2.7409e+00],  
 [5.0110e+00, 1.2466e-03, 2.6059e-01],  
 [8.4108e+01, 6.5853e-01, 3.1154e+00],  
 [2.7633e+00, 8.7492e-04, 2.7883e-01],  
 [1.3467e+02, 1.2050e+00, 2.1802e+00],  
 [3.8537e+01, 2.2727e-01, 1.8745e+00],  
 [4.3951e+00, 1.1213e-02, 3.9623e-01],  
 [3.1210e-01, 9.8203e-05, 4.0559e-02],  
 [3.7610e+01, 7.1122e-02, 8.5734e-01],  
 [4.5205e+00, 2.1423e-03, 2.4333e-01],  
 [6.8378e+01, 5.6004e-01, 1.7804e+00],  
 [6.6366e+01, 9.1327e-01, 1.7165e+00],  
 [3.6170e-01, 9.4542e-05, 3.8671e-02],  
 [2.9025e-01, 1.0290e-05, 4.3483e-02],  
 [3.0130e+01, 3.1147e-02, 1.9493e+00],  
 [1.5596e+00, 5.1789e-05, 9.3105e-02],  
 [3.9875e+01, 4.3926e-01, 1.3035e+00],  
 [2.1066e+01, 2.8757e-01, 1.3840e+00],  
 [3.2827e-04, 2.6888e-11, 5.3732e-05],  
 [1.0494e-01, 1.3780e-05, 1.4483e-02],  
 [3.7018e+01, 1.7979e-01, 9.6753e-01],  
 [3.4448e+00, 8.6175e-04, 3.2378e-01],  
 [1.2525e+01, 1.4589e-02, 7.8104e-01],  
 [2.7523e-01, 1.8173e-05, 2.5491e-02],  
 [1.3502e+02, 7.4631e-01, 2.9950e+00],  
 [2.5084e+02, 4.3034e+00, 4.5496e+00],  
 [6.7135e+01, 1.2809e-01, 1.3313e+00],  
 [9.9908e+01, 2.1369e+00, 3.1712e+00],  
 [8.6294e+00, 2.0056e-02, 7.7927e-01],  
 [5.0076e+01, 3.6155e-01, 2.6353e+00],  
 [9.4501e+01, 4.1289e-01, 3.4087e+00],  
 [8.8949e+01, 9.8803e-01, 3.5396e+00],  
 [1.4345e-02, 3.5387e-08, 2.1916e-03],  
 [1.5010e-02, 3.8085e-08, 2.3592e-03],  
 [4.3232e+00, 2.3729e-03, 3.2257e-01],  
 [1.5252e+02, 3.0919e+00, 3.4125e+00],  
 [7.6629e-03, 2.3268e-08, 1.1769e-03],  
 [3.0148e+01, 1.9382e-01, 1.1643e+00],  
 [2.6608e+00, 3.2979e-04, 1.5987e-01],  
 [3.6231e-01, 6.6759e-05, 4.0147e-02],  
 [7.9846e+00, 1.3151e-02, 3.3907e-01],  
 [5.6958e+01, 6.3752e-01, 1.3920e+00],  
 [2.2975e+01, 2.1301e-02, 6.2491e-01],  
 [2.2340e+01, 5.9030e-02, 1.1485e+00],  
 [5.0112e-01, 1.4990e-04, 4.2216e-02],  
 [6.3161e-01, 6.9896e-05, 4.4060e-02],

[9.7262e+00, 1.5749e-02, 4.3592e-01],  
 [4.1080e-01, 5.0783e-05, 5.0204e-02],  
 [2.9993e-03, 1.8651e-09, 4.7337e-04],  
 [6.6220e+01, 4.3288e-01, 1.7953e+00],  
 [2.7802e-01, 3.8738e-05, 3.3896e-02],  
 [5.1363e+01, 7.4020e-02, 1.2655e+00],  
 [2.2918e+00, 4.2942e-04, 2.1531e-01],  
 [2.1311e+01, 2.6146e-01, 1.6385e+00],  
 [1.2485e+00, 2.2134e-04, 6.6106e-02],  
 [5.5499e+01, 9.6652e-01, 1.5206e+00],  
 [3.6227e+01, 2.6152e-01, 1.9683e+00],  
 [2.8429e+01, 2.3178e-01, 2.2757e+00],  
 [5.5111e+01, 2.6524e-01, 1.9710e+00],  
 [6.7095e-01, 4.2928e-04, 8.3976e-02],  
 [4.8432e-01, 1.3533e-04, 4.3408e-02],  
 [4.3314e+00, 6.8680e-04, 2.3269e-01],  
 [8.7518e+01, 1.1271e+00, 3.2356e+00],  
 [1.4392e-01, 7.0992e-06, 1.5913e-02],  
 [9.7520e+00, 1.5728e-02, 5.6940e-01],  
 [6.6389e-01, 2.5033e-04, 6.2248e-02],  
 [1.2992e+02, 2.0124e-01, 3.6741e+00],  
 [1.3736e+02, 5.9940e+00, 3.2512e+00],  
 [9.7306e-01, 2.0306e-04, 6.9432e-02],  
 [2.5932e+01, 4.7430e-02, 1.0627e+00],  
 [2.6454e+00, 6.8298e-04, 1.3722e-01],  
 [1.4290e+02, 2.1022e+00, 2.6791e+00],  
 [8.7193e+00, 1.2421e-02, 6.6474e-01],  
 [1.9520e+01, 1.1188e-01, 1.8110e+00],  
 [7.1619e-01, 2.9044e-04, 8.0172e-02],  
 [3.6535e+01, 1.9544e-01, 1.3211e+00],  
 [1.9378e+00, 5.7259e-04, 1.1802e-01],  
 [5.9481e-02, 1.9266e-06, 8.2390e-03],  
 [5.2457e+00, 1.4238e-02, 3.9685e-01],  
 [6.8350e+00, 4.9040e-03, 4.5365e-01],  
 [2.9885e+01, 1.3485e-01, 8.7018e-01],  
 [7.3705e+01, 1.2644e+00, 2.4934e+00],  
 [1.5063e-02, 2.9455e-07, 2.2108e-03],  
 [1.1429e-02, 6.1037e-08, 1.7134e-03],  
 [8.9538e-02, 2.1534e-06, 1.0772e-02],  
 [1.4924e+01, 1.4636e-02, 6.0086e-01],  
 [7.1916e+00, 8.9368e-03, 3.1268e-01],  
 [2.8718e-01, 3.4157e-05, 2.7780e-02],  
 [1.1898e+00, 1.0652e-04, 8.9700e-02],  
 [5.4394e-01, 2.1198e-05, 3.7835e-02],  
 [2.6865e+02, 6.4813e+00, 4.1848e+00],  
 [3.5553e+01, 3.6411e-01, 1.3946e+00],  
 [1.0010e+01, 1.0198e-02, 3.9780e-01],  
 [9.2238e+01, 1.0827e+00, 1.7593e+00],



[1.0377e+02, 3.5104e+00, 2.6334e+00],  
 [7.3711e-03, 2.8343e-08, 1.1197e-03],  
 [2.4087e+00, 1.9654e-03, 1.5911e-01],  
 [2.5259e-02, 2.5935e-07, 3.7099e-03],  
 [7.0354e-01, 2.8878e-04, 8.8803e-02],  
 [2.6278e+00, 2.9297e-03, 2.0165e-01],  
 [1.1705e-01, 8.2164e-06, 1.3864e-02],  
 [1.0513e+02, 9.3788e-01, 2.8289e+00],  
 [6.0578e-01, 1.7724e-05, 5.0241e-02],  
 [1.0072e-02, 8.4963e-08, 1.5808e-03],  
 [1.5443e+01, 2.7348e-02, 8.1528e-01],  
 [2.9772e-01, 1.7034e-05, 3.8017e-02],  
 [1.7689e+02, 4.9758e+00, 4.3368e+00],  
 [6.4259e-02, 1.4577e-06, 8.0746e-03],  
 [2.5305e-01, 1.3069e-05, 3.0338e-02],  
 [1.9578e+02, 1.0229e+01, 4.0877e+00],  
 [1.0477e+01, 1.5128e-02, 4.9358e-01],  
 [4.7899e+00, 5.9162e-03, 3.5996e-01],  
 [2.9027e+00, 1.2404e-03, 1.7975e-01],  
 [4.4118e-01, 3.1374e-05, 5.8427e-02],  
 [1.6693e+00, 8.0817e-04, 2.3360e-01],  
 [2.7139e+01, 4.5232e-01, 1.8630e+00],  
 [2.9972e-01, 8.9921e-06, 3.3073e-02],  
 [1.5834e+01, 2.8836e-03, 7.2674e-01],  
 [5.1332e+00, 1.6181e-02, 3.9908e-01],  
 [1.4875e+00, 7.4949e-04, 1.5868e-01],  
 [3.5100e-01, 6.8946e-05, 4.4932e-02],  
 [1.1284e-01, 4.9550e-06, 1.3475e-02],  
 [1.1971e+00, 1.1006e-04, 1.0854e-01],  
 [4.4291e+00, 5.4856e-03, 3.7839e-01],  
 [2.3680e-01, 7.8655e-06, 3.1943e-02],  
 [1.1228e+01, 1.5007e-02, 1.1082e+00],  
 [1.9607e+00, 3.4801e-04, 1.6241e-01],  
 [3.6009e-01, 5.5316e-05, 4.4373e-02],  
 [1.3046e+01, 7.1963e-03, 1.0816e+00],  
 [1.2040e+02, 1.2279e+00, 3.6399e+00],  
 [7.7967e-02, 1.2767e-06, 1.1382e-02],  
 [7.0195e+01, 6.0584e-01, 3.7905e+00],  
 [3.5700e-01, 5.5753e-05, 3.9700e-02],  
 [2.9213e-02, 1.0274e-07, 4.2477e-03],  
 [1.9565e+02, 7.2106e-01, 4.9582e+00],  
 [2.8550e+00, 1.4565e-03, 2.1664e-01],  
 [1.5810e+02, 1.6665e+00, 3.1594e+00],  
 [2.4060e+00, 4.1342e-04, 1.0800e-01],  
 [5.9935e+01, 8.1695e-02, 1.8306e+00],  
 [1.3430e+02, 3.6316e-01, 3.4680e+00],  
 [4.6009e+00, 7.6312e-03, 4.0618e-01],  
 [7.6342e+00, 3.6030e-03, 3.2089e-01],

```

[6.1980e-01, 1.8720e-05, 6.5350e-02],
[4.2344e-04, 1.6549e-10, 6.9034e-05],
[4.6995e+01, 2.4226e-01, 1.2121e+00],
[2.0014e-02, 3.7214e-07, 2.9774e-03],
[2.0414e+00, 9.5574e-04, 1.1478e-01],
[1.6181e+01, 5.1764e-03, 1.4546e+00],
[1.9321e+01, 5.6193e-02, 7.3762e-01],
[2.0596e+01, 1.4161e-01, 9.4231e-01],
[2.8934e+00, 1.1439e-03, 2.9259e-01],
[2.0155e+02, 2.9329e+00, 4.4397e+00],
[3.0778e+01, 1.6438e-01, 1.0777e+00],
[6.5854e+01, 5.2710e-01, 2.4598e+00]], dtype=torch.float64)
Iteration: 74
Inputs: tensor([[1.7996e+18, 1.4512e+02, 1.3547e+01, 8.8438e+00],
[5.3838e+18, 3.3636e+02, 1.7573e+01, 9.9735e+00],
[1.3495e+20, 4.2347e+02, 6.8649e+00, 4.6827e+00],
...,
[1.5026e+20, 3.3115e+02, 1.3135e+01, 6.4351e+00],
[1.5657e+20, 2.8526e+02, 1.6382e+01, 4.5072e+00],
[9.6828e+18, 1.8329e+02, 1.5449e+01, 7.9877e+00]], dtype=torch.float64)
Target: tensor([[7.5227e-02, 5.2172e-06, 9.8131e-03],
[1.4637e+00, 1.1887e-03, 1.1416e-01],
[6.3830e+01, 2.6691e-01, 1.6804e+00],
[2.5316e+00, 1.6070e-03, 3.0677e-01],
[1.2509e-01, 2.9089e-07, 1.4570e-02],
[1.5459e+02, 2.6079e+00, 4.6406e+00],
[1.3837e-01, 8.5467e-06, 1.7245e-02],
[5.3428e-01, 1.0480e-04, 5.5677e-02],
[1.9602e+00, 6.3656e-04, 1.2814e-01],
[6.0196e+00, 5.5753e-03, 4.1067e-01],
[7.5422e+01, 6.5942e-02, 2.2910e+00],
[5.1448e+00, 6.9187e-03, 4.0749e-01],
[2.6447e+00, 3.1080e-03, 2.0580e-01],
[2.0053e+01, 5.8939e-02, 8.7565e-01],
[5.1792e-01, 4.4961e-05, 4.6811e-02],
[3.1012e-01, 6.3051e-05, 3.4746e-02],
[6.9505e+01, 1.2990e+00, 3.2432e+00],
[2.5921e-02, 2.9665e-07, 3.6038e-03],
[2.1871e+00, 4.2071e-04, 1.8330e-01],
[5.6788e-01, 2.7465e-05, 6.0408e-02],
[3.1089e-01, 4.8488e-05, 3.5242e-02],
[8.3530e+00, 4.7787e-03, 4.2783e-01],
[1.1165e+01, 1.0804e-02, 9.9435e-01],
[6.9422e-01, 1.5229e-04, 5.5417e-02],
[8.6338e+00, 1.3414e-02, 3.8279e-01],
[1.7076e+01, 5.9741e-02, 7.3474e-01],
[2.0643e+01, 3.4644e-02, 6.4050e-01],
[1.3807e+02, 2.4221e+00, 3.0237e+00],

```

[1.4879e+02, 1.6841e+00, 3.5586e+00],  
 [7.5094e+01, 6.4310e-01, 1.9812e+00],  
 [1.2064e+02, 2.9883e+00, 2.9594e+00],  
 [1.0143e+01, 2.9764e-03, 6.1576e-01],  
 [1.6938e+02, 5.7126e+00, 3.5970e+00],  
 [3.5416e+00, 1.7894e-03, 4.1633e-01],  
 [2.9567e+00, 4.7089e-04, 2.1857e-01],  
 [1.4442e-01, 1.0852e-05, 1.6173e-02],  
 [4.5842e-02, 2.3926e-06, 6.1124e-03],  
 [7.5856e+00, 2.3190e-02, 5.5513e-01],  
 [6.4345e-01, 2.5385e-05, 5.9650e-02],  
 [2.0098e+01, 1.5367e-01, 1.8872e+00],  
 [3.8005e+01, 2.1713e-01, 1.0707e+00],  
 [2.6948e-01, 2.2068e-05, 2.9915e-02],  
 [3.7114e-01, 2.3132e-05, 3.5926e-02],  
 [1.2005e+02, 1.8891e+00, 3.4628e+00],  
 [3.3188e+01, 1.6169e-01, 9.6208e-01],  
 [7.1216e+00, 1.4121e-02, 5.0190e-01],  
 [3.8173e+01, 3.1626e-01, 1.7406e+00],  
 [3.0218e+00, 1.2295e-03, 3.0403e-01],  
 [1.4385e+00, 1.6604e-04, 1.0399e-01],  
 [2.6674e-02, 9.6669e-08, 3.8330e-03],  
 [3.5779e+01, 3.3007e-01, 1.2497e+00],  
 [1.4391e+02, 5.2969e+00, 3.5040e+00],  
 [8.2496e-01, 3.4547e-04, 9.5910e-02],  
 [2.7099e-01, 6.8508e-06, 2.5593e-02],  
 [1.5580e+02, 2.0096e+00, 4.0565e+00],  
 [1.4486e+01, 4.7534e-02, 8.7469e-01],  
 [6.3860e-01, 5.6083e-05, 8.3428e-02],  
 [8.3274e+01, 7.2209e-01, 3.3198e+00],  
 [6.6605e+01, 5.4669e-01, 2.2162e+00],  
 [6.1952e+00, 1.1893e-02, 4.5248e-01],  
 [1.0382e+01, 1.0405e-02, 7.9356e-01],  
 [5.9835e+00, 1.8634e-03, 4.4974e-01],  
 [6.4436e+01, 1.0754e+00, 1.6783e+00],  
 [2.6889e+00, 2.2395e-03, 2.4500e-01],  
 [2.3599e-01, 9.8275e-06, 2.7513e-02],  
 [3.1456e-01, 2.6364e-06, 2.6152e-02],  
 [1.5510e+02, 3.6685e-01, 3.8926e+00],  
 [2.6415e-02, 1.0976e-07, 3.9964e-03],  
 [1.0374e+00, 5.3344e-04, 8.9347e-02],  
 [4.9161e-01, 4.2239e-05, 6.6016e-02],  
 [7.4511e-02, 1.2729e-06, 1.0722e-02],  
 [6.1486e+01, 4.8150e-01, 1.1695e+00],  
 [5.5967e-01, 1.6677e-05, 4.8124e-02],  
 [6.2728e-01, 1.5547e-04, 6.9822e-02],  
 [1.6575e+01, 3.8815e-02, 7.6174e-01],  
 [4.8897e+01, 4.1023e-01, 2.2445e+00],

[4.8495e-01, 7.4787e-05, 3.9578e-02],  
 [6.4181e+00, 6.7522e-03, 3.8323e-01],  
 [1.8794e+01, 7.2440e-02, 8.2211e-01],  
 [1.0209e-01, 3.8605e-06, 1.2352e-02],  
 [1.6692e+01, 6.2946e-03, 6.2031e-01],  
 [3.9139e+01, 2.0362e-01, 1.9868e+00],  
 [6.0816e+01, 6.7509e-01, 2.4928e+00],  
 [9.8266e+01, 2.3594e+00, 3.6745e+00],  
 [4.2468e+00, 1.7159e-03, 3.5139e-01],  
 [5.6089e-01, 3.3552e-04, 6.8416e-02],  
 [2.3494e+01, 2.3051e-03, 7.2289e-01],  
 [1.0549e-02, 2.5893e-08, 1.5981e-03],  
 [5.5926e+00, 7.4636e-03, 3.3513e-01],  
 [9.2101e+01, 1.2411e+00, 3.3316e+00],  
 [7.0890e+01, 5.1991e-01, 1.3971e+00],  
 [7.3690e-01, 2.1668e-05, 8.8102e-02],  
 [5.6439e-02, 6.4337e-07, 7.4959e-03],  
 [1.4614e+01, 1.4702e-02, 5.8289e-01],  
 [1.2598e+02, 3.8715e-01, 4.4430e+00],  
 [4.9722e+01, 3.6361e-01, 2.1958e+00],  
 [4.6798e+00, 9.3092e-03, 4.1659e-01],  
 [6.9860e+01, 1.0452e+00, 1.9995e+00],  
 [4.8958e-01, 1.6322e-05, 6.2148e-02],  
 [4.4708e-02, 8.2637e-07, 5.9778e-03],  
 [4.8891e+00, 2.8645e-03, 3.8984e-01],  
 [1.8582e+02, 2.6768e+00, 3.8602e+00],  
 [1.6874e+00, 5.9583e-04, 1.1360e-01],  
 [1.2315e-02, 3.1447e-08, 1.8970e-03],  
 [1.7928e+01, 4.9964e-02, 6.5813e-01],  
 [3.9078e+01, 2.0970e-01, 1.3342e+00],  
 [1.2503e+02, 1.4159e+00, 2.5575e+00],  
 [2.3312e+02, 4.2353e+00, 4.3251e+00],  
 [4.0842e+00, 4.3039e-04, 3.1863e-01],  
 [1.0374e+01, 1.1167e-01, 9.2285e-01],  
 [1.2203e+01, 1.3372e-02, 4.0820e-01],  
 [2.4598e+01, 8.5953e-02, 1.0461e+00],  
 [1.0838e+00, 1.7861e-04, 1.0298e-01],  
 [1.4841e+01, 1.1107e-02, 1.0117e+00],  
 [6.5603e+01, 1.3564e+00, 3.0607e+00],  
 [3.9741e+00, 3.6400e-03, 2.3956e-01],  
 [5.6765e+01, 2.3828e-01, 2.8672e+00],  
 [6.3721e+00, 7.8682e-03, 2.9396e-01],  
 [5.7010e-01, 2.8865e-05, 4.7175e-02],  
 [1.7117e+01, 1.2674e-01, 1.2067e+00],  
 [4.8899e+00, 1.6836e-02, 4.2285e-01],  
 [1.2423e-02, 6.7330e-08, 1.8339e-03],  
 [4.0007e+01, 8.0424e-02, 8.6838e-01],  
 [1.9355e+00, 8.0263e-04, 1.6658e-01],

[2.2035e+01, 2.3086e-01, 1.0652e+00],  
 [1.8450e+02, 9.5009e+00, 4.8426e+00],  
 [4.4602e+01, 1.9392e-01, 1.3923e+00],  
 [8.9632e+01, 2.8714e+00, 2.9723e+00],  
 [8.4712e+00, 1.7071e-02, 4.8461e-01],  
 [3.9293e+00, 1.5262e-03, 3.1130e-01],  
 [8.9306e-03, 5.9100e-08, 1.3722e-03],  
 [2.9269e-02, 2.7441e-07, 4.3494e-03],  
 [4.2178e+00, 1.1957e-03, 2.4646e-01],  
 [1.3446e+02, 5.0107e-01, 2.9454e+00],  
 [8.8748e-01, 6.1123e-05, 9.6842e-02],  
 [5.5412e+00, 3.6603e-03, 5.7768e-01],  
 [1.1001e+00, 2.1754e-04, 1.1187e-01],  
 [2.0681e+00, 1.5039e-03, 1.8444e-01],  
 [3.0480e+00, 6.6621e-04, 2.5809e-01],  
 [4.9655e-01, 5.7117e-05, 3.7352e-02],  
 [1.7713e+01, 4.0411e-02, 7.2848e-01],  
 [1.4234e+00, 7.7151e-04, 1.0721e-01],  
 [8.8527e-01, 1.7175e-04, 8.8876e-02],  
 [6.1326e+01, 1.7771e-01, 3.2590e+00],  
 [1.2842e-02, 2.1238e-07, 1.8949e-03],  
 [2.5614e+01, 4.2604e-02, 7.3204e-01],  
 [2.9276e+01, 5.4075e-02, 2.0485e+00],  
 [1.1694e+02, 1.6367e+00, 4.0258e+00],  
 [7.5883e+01, 6.5687e-02, 2.2727e+00],  
 [1.0445e+00, 1.9208e-04, 8.3967e-02],  
 [1.0617e+02, 2.4992e+00, 2.6803e+00],  
 [9.7632e-02, 2.0998e-06, 1.1971e-02],  
 [4.9508e-01, 9.1345e-05, 5.7143e-02],  
 [9.8425e+01, 6.2061e-01, 3.3507e+00],  
 [4.5890e+01, 3.1727e-01, 1.6927e+00],  
 [2.1593e-01, 5.1330e-07, 2.6191e-02],  
 [5.9502e-01, 2.6138e-05, 7.0948e-02],  
 [1.3387e+01, 5.8199e-02, 7.9961e-01],  
 [1.4728e+01, 3.1027e-02, 9.8285e-01],  
 [3.0274e-01, 1.8723e-05, 4.0421e-02],  
 [7.1916e+01, 1.6246e+00, 3.3846e+00],  
 [8.1705e-01, 1.5750e-04, 5.7692e-02],  
 [5.1816e+01, 6.3858e-02, 2.9304e+00],  
 [2.4292e+01, 1.1397e-01, 8.8982e-01],  
 [1.1683e+01, 5.5684e-03, 1.1644e+00],  
 [1.6670e+00, 2.3008e-03, 2.0870e-01],  
 [5.8577e+01, 1.5985e-01, 1.4785e+00],  
 [4.2639e+01, 1.3946e-01, 2.6186e+00],  
 [1.4922e+01, 3.4005e-02, 7.7773e-01],  
 [2.9177e-03, 2.2701e-09, 4.7447e-04],  
 [8.0171e-01, 5.0250e-05, 7.8096e-02],  
 [4.0377e-01, 3.9857e-05, 5.1000e-02],

[1.0783e-01, 1.5201e-06, 1.2781e-02],  
 [3.4345e+00, 4.3727e-03, 2.9501e-01],  
 [3.7736e+01, 7.0748e-01, 2.5350e+00],  
 [2.4348e+01, 4.4366e-02, 1.4756e+00],  
 [1.4462e+01, 7.0741e-02, 8.1416e-01],  
 [2.1643e+01, 4.6355e-02, 1.2078e+00],  
 [3.2002e+01, 5.5924e-03, 1.5108e+00],  
 [5.2487e-01, 1.3613e-05, 6.0071e-02],  
 [4.2104e-02, 1.0155e-06, 5.9093e-03],  
 [1.9414e-01, 1.2452e-05, 2.0821e-02],  
 [1.2564e+00, 6.9206e-04, 1.1131e-01],  
 [8.5714e+01, 5.3739e-01, 3.8420e+00],  
 [1.0820e+00, 8.4007e-05, 6.0949e-02],  
 [1.5567e+01, 6.9637e-02, 1.0105e+00],  
 [4.5032e-01, 1.7794e-05, 3.1630e-02],  
 [7.4634e+00, 1.4317e-02, 3.4335e-01],  
 [9.2655e+00, 5.3396e-03, 6.3218e-01],  
 [5.2194e-01, 1.6398e-04, 6.5561e-02],  
 [2.5632e+01, 8.5937e-02, 9.0228e-01],  
 [2.9793e+01, 1.2348e-01, 9.9602e-01],  
 [6.8391e+00, 4.8956e-03, 3.2286e-01],  
 [1.4392e+00, 1.0314e-03, 1.0722e-01],  
 [4.1623e-02, 1.8483e-06, 5.9948e-03],  
 [1.1741e+00, 4.7268e-04, 1.3454e-01],  
 [8.3289e-03, 4.2004e-08, 1.3136e-03],  
 [7.7818e-02, 1.0881e-06, 9.7934e-03],  
 [1.9300e+01, 7.6273e-02, 9.5012e-01],  
 [1.0503e-02, 6.4883e-08, 1.6216e-03],  
 [1.7934e+00, 4.1799e-04, 1.8276e-01],  
 [1.0589e-01, 1.8249e-06, 1.2093e-02],  
 [4.1113e+01, 5.3861e-01, 1.6337e+00],  
 [3.2756e+01, 1.3489e-01, 1.5149e+00],  
 [2.3175e+00, 8.3080e-04, 1.8501e-01],  
 [6.5217e-01, 7.5015e-05, 7.7412e-02],  
 [1.4721e+00, 1.3873e-03, 1.5442e-01],  
 [9.3532e+01, 5.8809e-01, 2.6112e+00],  
 [1.0461e-03, 9.5487e-10, 1.7017e-04],  
 [2.0636e-01, 6.4261e-06, 2.0342e-02],  
 [2.3823e-01, 9.5786e-06, 2.1871e-02],  
 [3.7394e+00, 1.5254e-03, 2.2549e-01],  
 [4.0946e+00, 2.9973e-03, 3.3098e-01],  
 [5.0348e-01, 1.6992e-04, 5.2936e-02],  
 [2.6225e+00, 1.6737e-03, 2.0873e-01],  
 [7.0885e-02, 5.7219e-07, 9.8236e-03],  
 [1.5985e+00, 2.1978e-03, 1.6247e-01],  
 [2.7523e+00, 1.9610e-03, 3.3050e-01],  
 [1.0075e+02, 1.1361e+00, 2.6966e+00],  
 [1.0985e+01, 3.0212e-02, 6.5657e-01],

[1.5213e+01, 3.0741e-02, 9.7313e-01],  
 [4.0465e+01, 3.0707e-01, 1.0995e+00],  
 [1.5349e+01, 2.4078e-02, 4.3075e-01],  
 [1.4253e+00, 3.7126e-04, 8.1431e-02],  
 [1.5154e+02, 4.5577e+00, 3.9492e+00],  
 [5.3306e-02, 8.6013e-07, 7.3731e-03],  
 [6.2157e+00, 3.3662e-04, 3.1737e-01],  
 [6.8946e+00, 5.3736e-03, 2.9318e-01],  
 [6.8658e+01, 3.7133e-01, 2.4423e+00],  
 [2.2554e+01, 5.1908e-02, 1.4087e+00],  
 [1.8395e+01, 5.8891e-02, 1.1833e+00],  
 [8.2316e+01, 5.4608e-01, 2.8180e+00],  
 [1.7873e-01, 2.0077e-06, 1.8844e-02],  
 [5.2166e-01, 2.6234e-04, 6.5357e-02],  
 [1.4722e+01, 2.0695e-02, 4.6918e-01],  
 [5.0873e-01, 1.7901e-05, 4.6479e-02],  
 [1.9760e+02, 1.6030e+00, 4.7790e+00],  
 [1.9598e-01, 1.2130e-05, 2.2800e-02],  
 [4.4558e+00, 3.7738e-03, 4.4346e-01],  
 [5.0383e-01, 5.5004e-05, 5.0812e-02],  
 [2.5170e+00, 5.3539e-04, 2.5652e-01],  
 [3.1944e+01, 2.4979e-01, 9.7854e-01],  
 [4.5389e-01, 1.6720e-06, 3.1966e-02],  
 [1.4760e+02, 2.0535e+00, 4.1222e+00],  
 [1.7921e+01, 2.6760e-02, 6.6797e-01],  
 [1.0106e+02, 1.3106e+00, 2.4720e+00],  
 [2.3536e+00, 1.9594e-03, 1.6429e-01],  
 [1.0868e+01, 7.9627e-02, 1.0637e+00],  
 [1.1972e+01, 2.3710e-02, 6.6596e-01],  
 [1.9932e+02, 7.0505e+00, 4.0814e+00],  
 [3.1201e+01, 3.9096e-02, 1.1339e+00],  
 [1.0627e+00, 2.9781e-04, 9.1135e-02],  
 [1.1086e-01, 1.0320e-05, 1.4322e-02],  
 [1.7285e+01, 2.0654e-02, 8.3360e-01],  
 [2.6862e+00, 1.5402e-03, 1.7429e-01],  
 [7.3035e-01, 2.1254e-04, 6.9680e-02],  
 [3.7350e+01, 2.1994e-02, 1.7473e+00],  
 [6.0650e+00, 1.0475e-03, 2.7542e-01],  
 [2.0419e+00, 6.5847e-04, 1.4314e-01],  
 [3.6340e-01, 1.5751e-05, 4.5990e-02],  
 [7.7104e+01, 1.6557e+00, 2.4604e+00],  
 [2.6706e+00, 1.2610e-03, 1.6524e-01],  
 [3.3921e+00, 2.1764e-03, 2.9856e-01],  
 [6.2962e+01, 1.4083e+00, 2.2817e+00],  
 [7.7173e-03, 2.3763e-08, 1.1685e-03],  
 [1.0018e-01, 1.0514e-06, 1.4694e-02],  
 [7.3064e+01, 4.2120e-01, 2.3260e+00],  
 [3.0680e+00, 1.2153e-03, 2.7435e-01],

[3.1364e+01, 2.7006e-01, 1.2350e+00],  
 [6.3940e-01, 1.6018e-05, 4.9314e-02],  
 [6.0305e+00, 1.6822e-03, 2.8641e-01],  
 [1.7186e+00, 1.2495e-03, 2.0562e-01],  
 [7.0699e-01, 5.1390e-05, 5.3520e-02],  
 [8.0425e+01, 9.8937e-01, 3.9722e+00],  
 [3.3695e+00, 3.9636e-03, 3.7315e-01],  
 [1.3892e+01, 1.0646e-03, 4.5163e-01],  
 [1.4716e+01, 1.4624e-02, 6.0694e-01],  
 [1.3721e+00, 1.0770e-03, 1.3837e-01],  
 [7.7525e+01, 7.2521e-01, 1.7580e+00],  
 [9.6615e-02, 1.3844e-06, 1.2546e-02],  
 [1.2055e+01, 3.4608e-02, 7.1302e-01],  
 [4.7665e-03, 1.0323e-08, 7.4163e-04],  
 [8.3515e+00, 6.9076e-03, 6.2825e-01],  
 [1.2153e+02, 1.2320e+00, 4.5263e+00],  
 [1.4284e+00, 1.1231e-04, 1.2729e-01],  
 [2.4319e-02, 5.8476e-08, 3.6035e-03],  
 [7.9243e+00, 7.6949e-03, 7.5939e-01],  
 [9.3718e+01, 6.5082e-01, 2.6702e+00],  
 [2.3164e+00, 1.3477e-03, 1.6436e-01],  
 [3.1113e+00, 2.7563e-03, 2.1209e-01],  
 [3.6537e-01, 1.3506e-05, 4.9266e-02],  
 [2.3279e+00, 5.2330e-04, 1.1810e-01],  
 [6.8234e+00, 2.9704e-03, 7.6652e-01],  
 [8.9932e+01, 7.3598e-01, 3.0451e+00],  
 [1.5017e+01, 1.7455e-02, 1.4561e+00],  
 [1.6445e+01, 1.1795e-01, 8.7108e-01],  
 [9.5871e+00, 1.5781e-02, 8.0760e-01],  
 [6.2846e+01, 1.3127e+00, 2.6244e+00],  
 [8.2548e+00, 2.3596e-02, 4.6203e-01],  
 [2.2168e+00, 1.6833e-03, 1.9489e-01],  
 [2.2951e+02, 2.2153e+00, 3.7243e+00],  
 [6.2766e+00, 6.1528e-03, 4.1403e-01],  
 [6.8497e-01, 1.1977e-04, 9.0007e-02],  
 [3.9878e+01, 1.8395e-01, 1.7916e+00],  
 [3.8969e+01, 2.0129e-01, 2.0384e+00],  
 [7.0903e+01, 1.1532e-01, 3.3371e+00],  
 [5.3014e-02, 3.1861e-06, 7.8735e-03],  
 [1.8898e+00, 1.0273e-03, 2.0019e-01],  
 [2.5567e+01, 9.7691e-02, 7.2368e-01],  
 [7.8878e-01, 1.9464e-04, 8.4244e-02],  
 [5.6286e+00, 1.4908e-03, 4.2328e-01],  
 [4.7884e+01, 3.8161e-01, 1.4541e+00],  
 [2.8108e-01, 1.3764e-06, 2.5527e-02],  
 [5.5327e+00, 7.9405e-04, 3.5923e-01],  
 [7.9895e+00, 7.4735e-03, 3.5632e-01],  
 [1.3144e-01, 1.8022e-06, 1.5868e-02],



```

[3.1076e+01, 5.7759e-02, 7.3172e-01],
[4.9944e+01, 4.2760e-01, 1.6930e+00],
[3.1789e+01, 1.6521e-01, 1.5204e+00],
[1.3219e+00, 9.4854e-04, 1.2526e-01]], dtype=torch.float64)
Iteration: 75
Inputs: tensor([[7.0407e+20, 7.3854e+01, 2.3507e+00, 4.7647e+00],
[2.4926e+19, 2.8248e+02, 1.1448e+01, 2.8265e+00],
[3.9092e+19, 2.7440e+02, 6.9298e-01, 1.5013e+00],
...,
[1.7061e+18, 2.7090e+02, 1.3555e+01, 8.0579e+00],
[5.2815e+18, 3.7954e+02, 2.4177e+00, 5.4704e+00],
[1.4056e+19, 3.4638e+02, 1.9886e+01, 5.2795e+00]], dtype=torch.float64)
Target: tensor([[7.8327e+01, 3.3331e-01, 3.5300e+00],
[4.4552e+00, 2.0281e-03, 3.4150e-01],
[2.4541e+01, 2.6012e-03, 7.8317e-01],
[5.6243e+00, 2.4924e-03, 4.3241e-01],
[3.1254e+00, 4.8613e-04, 1.5086e-01],
[8.0502e-03, 9.2602e-08, 1.2644e-03],
[3.2370e+01, 6.7393e-01, 2.3412e+00],
[6.7291e-02, 6.5788e-07, 8.7272e-03],
[1.3474e+00, 5.4379e-04, 9.9000e-02],
[6.7036e-03, 4.0302e-09, 1.0780e-03],
[9.1513e+01, 1.3105e+00, 2.5517e+00],
[2.0245e-01, 1.5746e-05, 2.2504e-02],
[1.3754e-01, 5.8044e-06, 1.6601e-02],
[7.2572e-01, 5.8815e-05, 1.0271e-01],
[4.9924e-02, 1.3153e-06, 6.6365e-03],
[2.6518e+00, 1.6693e-03, 1.7015e-01],
[6.0918e-02, 2.5719e-06, 8.7102e-03],
[6.5691e+00, 4.6613e-03, 3.4967e-01],
[1.2026e-01, 1.2911e-05, 1.6137e-02],
[3.9887e+01, 1.0077e-01, 1.8188e+00],
[8.8749e-02, 8.7927e-07, 1.1365e-02],
[7.8826e+00, 1.7428e-02, 4.2453e-01],
[4.9622e+00, 1.8203e-03, 3.0571e-01],
[1.3563e+00, 7.8990e-04, 1.8334e-01],
[4.8026e+00, 9.4506e-03, 3.2437e-01],
[5.7205e+01, 3.2491e-01, 1.9118e+00],
[2.1775e+00, 2.8592e-04, 2.1913e-01],
[2.0818e+02, 1.4696e+00, 4.2500e+00],
[2.0493e-01, 4.8651e-06, 2.4501e-02],
[6.0332e+00, 5.1431e-03, 3.6156e-01],
[6.5503e+00, 8.8522e-04, 3.2683e-01],
[3.0085e+01, 1.4928e-01, 1.1408e+00],
[2.8721e+00, 1.1602e-03, 2.7045e-01],
[1.6945e+00, 1.9559e-03, 1.8399e-01],
[6.4851e+01, 3.7146e-02, 1.9883e+00],
[6.4504e+01, 4.3730e-01, 2.4895e+00],

```

[3.8979e-01, 1.3831e-05, 5.1567e-02],  
[3.7292e+01, 4.7986e-03, 1.0157e+00],  
[2.8826e-01, 3.9152e-05, 3.2342e-02],  
[5.2959e-01, 3.8352e-05, 5.6420e-02],  
[1.6307e-01, 2.3845e-06, 2.2921e-02],  
[1.0110e+01, 2.3567e-03, 3.9974e-01],  
[2.4089e-01, 1.8667e-05, 3.2382e-02],  
[1.4418e-01, 7.5031e-07, 1.5152e-02],  
[5.6952e+00, 3.8677e-03, 3.5666e-01],  
[6.7728e+01, 1.0310e+00, 2.1617e+00],  
[4.5321e-01, 1.7036e-05, 4.4782e-02],  
[4.5867e+01, 2.4767e-01, 1.2724e+00],  
[1.8367e+01, 1.2688e-01, 7.1632e-01],  
[5.4419e+00, 7.4475e-03, 3.2187e-01],  
[6.6151e-02, 1.0789e-06, 9.1395e-03],  
[1.3743e+02, 5.7223e-01, 4.2864e+00],  
[6.3932e+00, 2.2514e-02, 4.5235e-01],  
[7.5448e+00, 1.7307e-03, 5.1556e-01],  
[3.7192e+00, 1.3800e-03, 2.9971e-01],  
[5.5714e+01, 4.0405e-01, 2.1727e+00],  
[1.6810e+02, 9.2794e-01, 3.1817e+00],  
[5.5862e+00, 7.8724e-04, 2.7576e-01],  
[9.4134e-02, 2.9591e-06, 1.1495e-02],  
[1.1118e+02, 3.3454e+00, 4.0893e+00],  
[3.9340e+01, 5.2331e-02, 1.4790e+00],  
[7.9833e+00, 1.4503e-03, 2.7868e-01],  
[1.6223e-02, 1.4717e-07, 2.4091e-03],  
[1.4441e+02, 5.1468e+00, 4.0940e+00],  
[2.3448e-03, 9.3003e-10, 3.7122e-04],  
[7.7234e+00, 1.3330e-02, 3.7922e-01],  
[1.1498e+02, 3.1471e-01, 3.7297e+00],  
[1.4899e-01, 1.0566e-05, 1.5801e-02],  
[5.7831e-01, 8.8906e-05, 6.1937e-02],  
[1.0636e-02, 1.7825e-08, 1.5993e-03],  
[3.6565e+00, 3.7265e-03, 3.2580e-01],  
[4.3629e+01, 2.6287e-01, 2.0370e+00],  
[1.8389e+01, 1.1014e-01, 8.0679e-01],  
[4.6037e+00, 2.0635e-02, 4.6110e-01],  
[1.5734e+01, 1.2150e-02, 1.3233e+00],  
[8.3446e+00, 7.7465e-03, 8.3934e-01],  
[7.6973e-03, 8.7304e-09, 1.1837e-03],  
[1.2380e+01, 3.8691e-02, 5.0965e-01],  
[5.1307e-02, 2.1522e-06, 6.5713e-03],  
[2.0592e+02, 4.9281e+00, 4.9531e+00],  
[1.2716e-01, 5.0743e-06, 1.5476e-02],  
[2.7225e+01, 9.9235e-02, 8.6082e-01],  
[3.6718e+00, 1.8946e-03, 2.4962e-01],  
[9.0379e+01, 1.6168e+00, 3.6470e+00],

[2.3910e+01, 9.0380e-02, 1.2359e+00],  
 [2.0392e-01, 9.7255e-06, 2.2489e-02],  
 [4.5717e-01, 2.8138e-05, 5.7977e-02],  
 [3.5410e+01, 1.1958e-02, 1.0253e+00],  
 [1.0003e+00, 2.6955e-04, 1.3888e-01],  
 [1.2402e+02, 3.2370e+00, 3.6200e+00],  
 [1.9160e+01, 1.4526e-02, 7.2585e-01],  
 [2.6147e-03, 6.2351e-09, 4.1375e-04],  
 [2.0639e-01, 1.9242e-05, 2.3807e-02],  
 [1.0446e+00, 2.6219e-04, 8.8021e-02],  
 [2.7097e+01, 1.5810e-01, 2.2942e+00],  
 [2.5675e-01, 3.9523e-06, 2.5210e-02],  
 [2.4575e+00, 1.6789e-03, 1.7994e-01],  
 [1.2920e+01, 3.1032e-02, 6.3565e-01],  
 [5.0853e-01, 1.9735e-04, 5.5780e-02],  
 [1.0579e+02, 2.3398e+00, 2.8627e+00],  
 [6.9110e+00, 1.0825e-02, 3.6080e-01],  
 [4.7796e+00, 4.6224e-03, 4.2138e-01],  
 [9.6260e+01, 1.1697e+00, 3.1864e+00],  
 [3.8173e+00, 7.4262e-03, 3.7089e-01],  
 [2.1578e+02, 3.0845e+00, 4.5424e+00],  
 [2.9362e+01, 2.1955e-01, 9.8810e-01],  
 [8.6523e+00, 3.2309e-02, 5.4010e-01],  
 [3.9679e-01, 7.6103e-05, 4.2414e-02],  
 [9.7638e-01, 5.5275e-04, 1.0092e-01],  
 [1.4579e-01, 3.2451e-06, 1.9534e-02],  
 [7.3296e+01, 8.7498e-02, 3.7510e+00],  
 [7.5636e+01, 1.2534e+00, 3.0908e+00],  
 [1.1575e+02, 5.5615e-01, 3.4834e+00],  
 [2.7397e+01, 1.9037e-02, 1.0580e+00],  
 [9.2216e+00, 1.4572e-02, 4.3585e-01],  
 [6.1529e-02, 6.4630e-07, 9.1308e-03],  
 [7.0654e+00, 8.8941e-03, 3.8998e-01],  
 [6.8413e+01, 1.2317e+00, 1.6952e+00],  
 [7.1462e+01, 1.3891e+00, 2.8930e+00],  
 [2.6166e-01, 2.7619e-05, 3.6638e-02],  
 [6.7793e-01, 4.7025e-05, 7.1059e-02],  
 [8.5135e+00, 5.9654e-03, 2.9040e-01],  
 [9.4973e+01, 5.5764e-01, 3.7159e+00],  
 [7.9736e+00, 1.5084e-03, 3.7980e-01],  
 [1.2721e+01, 2.1213e-02, 6.9252e-01],  
 [3.2208e+01, 5.0920e-02, 1.0848e+00],  
 [2.5217e-01, 1.5530e-05, 3.3296e-02],  
 [9.8798e-01, 1.8511e-04, 8.9026e-02],  
 [1.4015e-02, 8.9087e-08, 2.1125e-03],  
 [1.7301e+01, 3.5544e-02, 9.1692e-01],  
 [2.0702e+00, 5.5419e-04, 1.3880e-01],  
 [2.8751e+00, 2.4051e-03, 2.6364e-01],

[2.2954e+00, 8.7855e-04, 1.8712e-01],  
 [2.7233e+01, 1.9060e-02, 8.8787e-01],  
 [2.1638e+01, 1.5632e-01, 9.7851e-01],  
 [1.6586e+01, 3.2605e-02, 5.0673e-01],  
 [9.0620e-01, 1.1981e-04, 9.2564e-02],  
 [6.9938e-01, 2.7556e-04, 8.5945e-02],  
 [4.9638e+01, 8.5972e-01, 3.1338e+00],  
 [1.7804e+01, 2.1198e-02, 9.3150e-01],  
 [7.4770e-03, 7.4515e-09, 1.1655e-03],  
 [2.3300e-01, 9.0017e-06, 3.6150e-02],  
 [6.8714e+01, 1.6591e-01, 3.5212e+00],  
 [3.7808e-01, 4.4721e-05, 2.9832e-02],  
 [3.0631e+02, 1.1084e+01, 5.0421e+00],  
 [5.6035e+01, 2.9836e-02, 2.2869e+00],  
 [4.0474e+01, 1.2672e-02, 1.3722e+00],  
 [1.2655e+01, 1.5249e-02, 5.6329e-01],  
 [4.2514e-01, 5.7429e-05, 3.6914e-02],  
 [1.4107e+02, 3.0150e+00, 3.5897e+00],  
 [1.3145e+01, 3.3077e-02, 7.1646e-01],  
 [1.4405e+01, 6.2506e-02, 6.6111e-01],  
 [1.6451e+00, 4.3105e-04, 8.7353e-02],  
 [6.8974e-01, 7.9547e-05, 4.5315e-02],  
 [6.9529e-01, 7.5900e-05, 4.2155e-02],  
 [6.4474e+01, 6.8664e-01, 2.0027e+00],  
 [7.9335e+00, 5.4302e-03, 3.8687e-01],  
 [2.5129e+02, 6.9987e+00, 3.7653e+00],  
 [7.7703e+00, 1.2165e-02, 3.9973e-01],  
 [5.7325e+00, 1.4067e-03, 4.6255e-01],  
 [1.3621e+02, 2.8061e+00, 3.0998e+00],  
 [1.0832e+00, 1.4663e-03, 1.3425e-01],  
 [1.3655e+01, 2.2910e-02, 1.4205e+00],  
 [1.8233e+01, 8.0517e-02, 1.1018e+00],  
 [2.2480e+02, 4.9087e+00, 4.1117e+00],  
 [2.6511e+00, 2.4269e-03, 2.3161e-01],  
 [3.7696e-02, 3.9061e-07, 5.1526e-03],  
 [8.8620e-01, 2.2108e-04, 6.8450e-02],  
 [1.4232e-01, 4.6842e-06, 1.6936e-02],  
 [1.5108e+00, 1.0565e-03, 1.2083e-01],  
 [4.3485e+01, 1.6658e-01, 1.8030e+00],  
 [3.4741e-02, 1.6887e-07, 5.2658e-03],  
 [7.8063e+01, 3.7370e-01, 1.9673e+00],  
 [4.1175e+00, 3.3846e-04, 1.7205e-01],  
 [2.4666e+01, 5.3173e-02, 7.8079e-01],  
 [1.2197e+01, 3.3464e-02, 1.0946e+00],  
 [8.9066e+01, 3.1386e-01, 3.1869e+00],  
 [1.1534e+01, 2.9536e-02, 9.2411e-01],  
 [1.1775e+02, 7.7816e-01, 2.6612e+00],  
 [7.6297e-01, 7.9155e-05, 8.6609e-02],

[1.3362e+01, 5.2802e-03, 9.9328e-01],  
[3.0478e+01, 9.9949e-02, 7.1013e-01],  
[1.0432e+02, 1.1053e+00, 3.8428e+00],  
[1.4715e+00, 7.2644e-04, 1.4138e-01],  
[1.4771e+01, 3.9527e-03, 7.0730e-01],  
[7.0482e+00, 1.9286e-02, 7.3158e-01],  
[3.7504e+01, 2.1671e-01, 1.3151e+00],  
[1.5595e+01, 4.6811e-02, 6.2762e-01],  
[3.0454e-01, 2.1424e-05, 3.4471e-02],  
[3.5143e+00, 2.3811e-03, 2.7611e-01],  
[5.0332e-01, 2.0001e-05, 4.9539e-02],  
[1.3819e+01, 1.1751e-02, 9.8727e-01],  
[7.1833e+01, 2.2111e-01, 1.4662e+00],  
[3.4804e-03, 2.4509e-08, 5.5436e-04],  
[1.3353e+02, 3.8864e-01, 4.1840e+00],  
[3.4002e+00, 1.2237e-03, 2.0333e-01],  
[1.3812e+00, 9.6274e-05, 1.3905e-01],  
[1.2104e-01, 4.5768e-06, 1.7148e-02],  
[1.1696e-01, 1.2082e-05, 1.5788e-02],  
[2.5095e+01, 7.0000e-02, 8.2732e-01],  
[6.5841e-01, 7.4977e-05, 6.9937e-02],  
[1.2123e-02, 1.0737e-07, 1.8733e-03],  
[4.0343e+01, 6.4585e-01, 2.2000e+00],  
[2.8529e+01, 2.2680e-01, 1.5963e+00],  
[7.6916e+01, 2.8319e-01, 3.1792e+00],  
[5.4633e+00, 2.4977e-03, 3.0873e-01],  
[1.6552e+02, 3.5669e+00, 4.6660e+00],  
[1.2507e+00, 3.0112e-04, 1.0323e-01],  
[1.3657e+00, 1.4033e-04, 1.3641e-01],  
[9.2711e+00, 2.9267e-03, 4.1582e-01],  
[1.1535e+00, 1.7039e-04, 1.0813e-01],  
[5.5198e-01, 2.0376e-04, 7.2886e-02],  
[6.4890e+00, 1.8009e-03, 3.2698e-01],  
[1.3415e+01, 3.0005e-02, 4.8892e-01],  
[6.7477e+01, 3.4400e-01, 1.5784e+00],  
[6.3661e+01, 1.0497e+00, 2.0123e+00],  
[5.8978e-02, 2.2771e-07, 7.9803e-03],  
[3.3395e+01, 8.9468e-02, 1.3171e+00],  
[1.5203e+02, 2.2007e+00, 4.6919e+00],  
[4.1740e+01, 2.2377e-01, 2.6567e+00],  
[3.9845e+01, 2.2199e-01, 1.7914e+00],  
[5.6466e+01, 3.0992e-01, 2.3158e+00],  
[2.7922e+00, 1.3620e-03, 2.0488e-01],  
[1.6421e+00, 2.5917e-04, 1.2632e-01],  
[8.4357e-02, 3.2356e-06, 1.2302e-02],  
[7.3555e+00, 3.5421e-03, 7.5905e-01],  
[6.2783e+00, 1.8320e-03, 5.7201e-01],  
[1.2594e+01, 2.0505e-02, 6.6465e-01],

[4.9690e+00, 7.2260e-04, 3.4593e-01],  
[1.3317e-02, 8.5715e-08, 2.0878e-03],  
[1.0777e+00, 1.0215e-04, 1.2002e-01],  
[5.2547e-03, 2.5279e-08, 8.3067e-04],  
[9.2802e-01, 1.5802e-04, 1.3089e-01],  
[7.0975e-03, 3.3655e-08, 1.0979e-03],  
[4.2717e+01, 5.3937e-01, 2.0362e+00],  
[1.0310e+01, 9.0733e-03, 8.1182e-01],  
[1.5608e+00, 2.5868e-04, 1.1890e-01],  
[7.4036e+00, 6.1626e-03, 4.6591e-01],  
[2.3515e+00, 6.5532e-03, 2.6394e-01],  
[1.2374e-01, 5.6784e-07, 1.4456e-02],  
[2.0795e-02, 3.1468e-07, 3.2516e-03],  
[1.1472e+01, 2.3984e-02, 6.4689e-01],  
[5.5614e-01, 2.0721e-04, 7.8778e-02],  
[6.1466e-01, 9.4683e-06, 6.4517e-02],  
[7.2529e+01, 6.4598e-01, 2.8404e+00],  
[1.5948e+02, 2.1560e+00, 4.7526e+00],  
[4.4792e-01, 1.1973e-04, 5.9377e-02],  
[1.3779e+02, 2.3833e+00, 2.6669e+00],  
[2.2472e+01, 3.4601e-02, 1.1220e+00],  
[1.6812e+01, 9.8801e-02, 1.3785e+00],  
[2.5109e-01, 1.4317e-05, 2.6474e-02],  
[1.0592e+02, 2.7707e+00, 3.9167e+00],  
[9.9395e-02, 6.5953e-06, 1.3285e-02],  
[2.4116e+01, 2.7249e-02, 1.5530e+00],  
[1.5198e+01, 1.4321e-02, 6.8274e-01],  
[2.1086e+00, 7.3740e-04, 1.1295e-01],  
[1.0089e+02, 2.7539e+00, 2.7123e+00],  
[9.1939e-02, 5.4692e-06, 1.3565e-02],  
[7.5817e+00, 8.8805e-03, 7.0665e-01],  
[6.4152e+01, 1.7214e-01, 2.8196e+00],  
[8.4035e-01, 7.8400e-05, 6.7371e-02],  
[4.4892e+01, 3.7554e-01, 1.1682e+00],  
[9.3691e+00, 1.1685e-02, 9.9145e-01],  
[1.5095e+00, 1.5018e-03, 1.4369e-01],  
[4.0305e+01, 1.8109e-01, 8.5829e-01],  
[2.2357e+01, 7.5386e-02, 1.6554e+00],  
[1.6846e-01, 1.1865e-05, 2.4057e-02],  
[7.0029e+00, 1.3803e-03, 2.6432e-01],  
[2.4518e+02, 3.2887e+00, 4.9174e+00],  
[1.3202e+02, 3.8007e+00, 3.0137e+00],  
[2.1294e+02, 1.5328e-01, 4.0160e+00],  
[1.0352e+01, 3.3456e-02, 5.6926e-01],  
[1.2533e+02, 1.9189e+00, 3.5450e+00],  
[2.0218e+02, 5.9507e+00, 4.8965e+00],  
[1.8140e+02, 4.2847e+00, 4.8995e+00],  
[1.9835e+00, 1.4697e-03, 1.9176e-01],

```

[7.5860e+01, 6.5273e-01, 1.6052e+00],
[1.6789e+01, 8.3828e-02, 8.9174e-01],
[1.7805e+01, 4.7265e-02, 7.3215e-01],
[8.4193e-02, 9.0803e-07, 1.1149e-02],
[4.7640e+00, 6.5359e-03, 3.5210e-01],
[1.0789e+02, 1.6393e+00, 2.4764e+00],
[1.6602e+02, 1.3888e+00, 3.7755e+00],
[1.8911e+01, 4.4039e-02, 6.8616e-01],
[1.9820e+02, 8.5554e-02, 3.9056e+00],
[6.7623e+01, 8.6577e-01, 1.5420e+00],
[6.1906e-01, 4.8103e-05, 5.5035e-02],
[1.0070e+00, 2.3306e-05, 9.4200e-02],
[7.4363e+00, 2.5533e-03, 6.9639e-01],
[1.2954e+00, 2.6203e-04, 9.3080e-02],
[6.7282e+01, 1.0035e+00, 2.0891e+00],
[2.2664e+01, 1.4654e-01, 7.8870e-01],
[1.1393e+01, 1.0281e-02, 7.0718e-01],
[1.4082e-01, 6.5804e-06, 1.8157e-02],
[2.2177e-02, 1.1666e-07, 3.2760e-03],
[2.0449e-01, 2.0800e-05, 2.5852e-02],
[1.0938e+00, 4.8714e-04, 9.1264e-02],
[6.2938e+01, 3.6282e-01, 2.7801e+00],
[1.6844e+02, 5.1283e+00, 4.2591e+00],
[2.6851e+01, 1.2790e-01, 1.3321e+00],
[1.0619e+02, 3.7818e-01, 2.5923e+00],
[1.6347e+00, 4.9157e-04, 1.5471e-01],
[1.1809e+02, 2.0443e+00, 2.4104e+00],
[3.0574e+01, 1.9568e-01, 1.2538e+00],
[2.8996e+00, 1.8047e-03, 2.2412e-01],
[2.2264e+00, 1.4159e-03, 1.3789e-01],
[2.9466e+00, 9.2521e-04, 2.5434e-01],
[1.1709e-01, 4.4698e-06, 1.3627e-02],
[2.0684e+01, 1.7029e-01, 8.8105e-01],
[4.7580e+00, 3.4854e-03, 2.6135e-01],
[7.2899e+01, 9.6109e-01, 1.5995e+00],
[1.2595e+00, 3.6759e-04, 8.9455e-02],
[3.4792e+00, 1.4181e-03, 3.2568e-01],
[2.5401e+00, 1.1845e-03, 1.8955e-01],
[2.6725e+02, 9.4061e+00, 5.1266e+00],
[8.2131e+00, 1.8654e-02, 4.1465e-01],
[3.3784e+01, 1.8157e-01, 1.9535e+00],
[1.9103e-01, 2.0903e-05, 2.1008e-02],
[3.3757e+00, 6.1594e-04, 1.6836e-01],
[2.8610e+00, 2.5357e-03, 2.2535e-01]], dtype=torch.float64)

```

Iteration: 76

```

Inputs: tensor([[1.3109e+20, 2.9151e+02, 4.5127e+00, 4.8714e+00],
               [5.0244e+19, 4.4392e+02, 7.1735e+00, 8.7221e+00],
               [2.4904e+20, 4.2552e+02, 8.4403e+00, 5.0108e+00],

```

```

...,
[4.8554e+20, 5.8223e+01, 3.9623e+00, 4.2276e+00],
[2.0551e+20, 4.2370e+02, 1.0837e+01, 5.2979e+00],
[1.3692e+20, 1.6191e+02, 8.0305e+00, 1.0630e+00]], dtype=torch.float64)
Target: tensor([[5.7050e+01, 1.8874e-01, 1.6299e+00],
[3.8045e+01, 2.4881e-01, 9.5409e-01],
[9.3176e+01, 6.7520e-01, 2.3716e+00],
[1.0039e+00, 6.7901e-05, 8.3483e-02],
[1.3290e+02, 2.0105e+00, 3.3336e+00],
[9.0997e+01, 3.4430e-01, 3.9507e+00],
[5.0570e-01, 2.7767e-05, 4.5848e-02],
[7.0142e+01, 1.7299e-01, 2.1005e+00],
[2.2629e+00, 2.4214e-03, 1.8795e-01],
[6.9413e-01, 2.4680e-04, 7.8764e-02],
[3.7896e+01, 9.5136e-02, 1.1314e+00],
[1.8746e-02, 9.5793e-08, 2.7583e-03],
[2.0259e+01, 5.3134e-02, 6.2461e-01],
[2.5969e+00, 9.2117e-04, 3.5436e-01],
[1.4857e+01, 3.3086e-03, 7.6304e-01],
[3.4348e+00, 1.1294e-03, 1.6889e-01],
[6.4188e+01, 1.2629e+00, 2.4479e+00],
[1.0881e+01, 1.1544e-02, 4.9027e-01],
[3.5477e+01, 9.8126e-02, 8.5238e-01],
[6.1014e+01, 1.2656e+00, 1.6308e+00],
[4.3655e-01, 2.3949e-05, 3.1386e-02],
[3.7874e-02, 1.5870e-06, 5.5185e-03],
[3.4855e-02, 9.8678e-07, 4.8570e-03],
[9.2112e+01, 2.1578e+00, 2.6819e+00],
[1.3820e+02, 2.6238e+00, 3.4217e+00],
[5.7378e+01, 6.8720e-01, 1.4900e+00],
[1.2579e-01, 7.7259e-06, 1.4082e-02],
[2.1657e+01, 1.1747e-01, 8.7348e-01],
[2.3826e-01, 6.1829e-06, 2.2625e-02],
[2.5316e+01, 2.9353e-01, 1.2340e+00],
[7.2566e+01, 3.6875e-01, 2.4511e+00],
[9.6172e+00, 1.9502e-03, 5.6093e-01],
[2.1267e+02, 4.5012e+00, 3.4425e+00],
[2.4020e+02, 3.5605e+00, 4.0144e+00],
[5.2074e-02, 7.4883e-07, 7.3367e-03],
[1.2713e+00, 2.2974e-04, 1.1623e-01],
[1.6873e+00, 4.8213e-04, 2.1041e-01],
[1.8192e+00, 5.4643e-04, 1.5555e-01],
[7.1968e+00, 2.0896e-02, 6.9969e-01],
[6.1504e-02, 2.8948e-06, 7.8304e-03],
[3.3276e+01, 4.3595e-01, 1.1090e+00],
[1.8133e+00, 8.3644e-04, 1.2815e-01],
[6.4471e+01, 8.2987e-01, 1.5126e+00],
[1.9406e+00, 1.1544e-03, 1.5085e-01],

```



[9.6155e+01, 8.5299e-01, 3.3620e+00],  
[1.1747e+01, 2.7604e-03, 6.7999e-01],  
[2.9564e-02, 6.8240e-07, 4.1426e-03],  
[3.7890e-01, 3.0376e-05, 5.1777e-02],  
[2.5245e+00, 7.5151e-04, 1.1316e-01],  
[2.3735e+00, 1.6347e-03, 2.5888e-01],  
[3.2984e+01, 9.4079e-02, 1.2360e+00],  
[1.1466e+01, 1.3377e-02, 6.7981e-01],  
[2.0431e-01, 4.7934e-05, 2.6099e-02],  
[4.2643e+01, 2.7318e-01, 1.4565e+00],  
[1.5999e+01, 7.7828e-02, 6.3466e-01],  
[2.2340e-02, 1.0197e-07, 3.4197e-03],  
[4.8498e+01, 4.8278e-02, 2.9429e+00],  
[5.8930e-01, 2.2533e-05, 3.8727e-02],  
[4.1833e-02, 1.4539e-06, 5.7704e-03],  
[2.7968e+01, 1.0481e-01, 1.7532e+00],  
[5.1982e+00, 4.2649e-03, 4.0143e-01],  
[9.7462e+01, 2.4405e+00, 3.0926e+00],  
[4.9066e+01, 3.3117e-01, 1.6922e+00],  
[6.4413e-01, 2.7194e-05, 7.6532e-02],  
[1.1556e+00, 2.7586e-04, 1.3569e-01],  
[2.6278e-01, 1.1034e-05, 3.1145e-02],  
[8.2830e+01, 3.2162e-01, 3.1050e+00],  
[5.0767e-01, 1.2105e-05, 5.3321e-02],  
[6.1892e+01, 1.0856e+00, 2.3012e+00],  
[2.5721e+00, 1.6544e-03, 2.5556e-01],  
[4.1263e+01, 3.4813e-01, 1.2694e+00],  
[9.5937e+01, 1.6263e+00, 3.3484e+00],  
[5.0696e-01, 4.0907e-05, 5.2257e-02],  
[1.7768e-01, 2.1124e-05, 2.0995e-02],  
[2.7909e-01, 5.1176e-05, 2.8775e-02],  
[9.0125e-01, 2.5010e-04, 8.0156e-02],  
[2.0069e+02, 1.2322e+00, 3.7207e+00],  
[1.2672e-01, 8.2080e-06, 1.7361e-02],  
[9.2444e-01, 5.5588e-05, 1.3167e-01],  
[9.5820e+01, 1.5691e+00, 2.4351e+00],  
[3.6860e+00, 1.2099e-03, 1.8652e-01],  
[1.4931e+00, 3.2004e-04, 1.6535e-01],  
[6.0593e+00, 4.4484e-03, 6.0953e-01],  
[1.0688e+01, 2.1661e-02, 5.6441e-01],  
[1.2636e+02, 2.4764e-01, 4.2746e+00],  
[3.7975e-01, 2.0313e-05, 2.9878e-02],  
[1.4340e+02, 1.6664e+00, 2.4551e+00],  
[1.5717e+00, 2.0005e-04, 1.0597e-01],  
[1.9114e+01, 1.7135e-02, 1.0562e+00],  
[3.6919e+00, 3.3102e-03, 1.9010e-01],  
[1.8860e+00, 1.4667e-03, 1.6159e-01],  
[1.2328e+01, 9.4649e-03, 5.4209e-01],

[1.9372e+01, 1.2668e-02, 1.7752e+00],  
 [2.4297e+00, 8.9916e-04, 1.1818e-01],  
 [8.9305e-01, 1.4633e-04, 7.8119e-02],  
 [1.0639e+00, 1.7346e-04, 9.2607e-02],  
 [1.6337e+01, 1.7523e-02, 5.0148e-01],  
 [7.7322e-02, 2.8724e-07, 1.0409e-02],  
 [3.6280e-03, 4.0298e-09, 5.7398e-04],  
 [1.9007e+02, 9.7230e+00, 4.3390e+00],  
 [2.2840e+00, 9.6634e-04, 2.8290e-01],  
 [1.9418e-01, 2.4592e-05, 2.2585e-02],  
 [2.3830e-01, 2.2591e-05, 2.1656e-02],  
 [5.4427e+01, 4.8233e-02, 2.0970e+00],  
 [1.3280e+01, 4.5735e-02, 5.9636e-01],  
 [1.3609e-01, 1.5859e-05, 1.4728e-02],  
 [3.2957e-01, 2.0355e-05, 3.7608e-02],  
 [1.0729e+02, 5.3670e-01, 2.5748e+00],  
 [4.4417e-01, 1.4486e-05, 4.3430e-02],  
 [2.7478e-01, 1.2820e-05, 2.9822e-02],  
 [6.1308e+01, 1.7226e-01, 3.2643e+00],  
 [3.4622e+00, 2.0757e-03, 2.8114e-01],  
 [6.5695e-01, 9.2026e-05, 5.7573e-02],  
 [3.1089e+00, 2.6557e-03, 2.4073e-01],  
 [1.5889e+01, 2.9041e-02, 8.4505e-01],  
 [1.4322e+01, 1.7386e-02, 9.4465e-01],  
 [8.5358e-01, 5.6747e-05, 1.0132e-01],  
 [3.0842e+01, 1.9968e-01, 1.1651e+00],  
 [1.5231e+00, 2.5143e-04, 1.0995e-01],  
 [1.4432e+00, 3.5378e-04, 1.1085e-01],  
 [7.2348e+00, 2.0006e-03, 3.9315e-01],  
 [1.1141e-02, 1.0711e-07, 1.7001e-03],  
 [1.3214e+02, 1.3421e+00, 2.0614e+00],  
 [1.2835e+02, 8.4123e-01, 4.0502e+00],  
 [1.0786e+00, 1.5659e-04, 9.2494e-02],  
 [1.2130e+02, 4.5434e+00, 2.8794e+00],  
 [4.2687e-01, 5.9956e-05, 5.4598e-02],  
 [1.0678e+01, 8.8888e-03, 4.0435e-01],  
 [1.5434e+01, 8.8230e-03, 4.9056e-01],  
 [8.6287e+01, 2.1822e+00, 3.7211e+00],  
 [1.8024e+01, 6.6425e-03, 5.8346e-01],  
 [2.9877e-01, 1.2661e-05, 2.8658e-02],  
 [1.0697e-01, 4.4191e-06, 1.5357e-02],  
 [7.6814e+00, 3.4998e-02, 8.3762e-01],  
 [6.9800e+01, 1.0309e-01, 1.3444e+00],  
 [2.7312e-01, 1.5823e-05, 3.3069e-02],  
 [7.8111e+01, 5.0822e-01, 3.7424e+00],  
 [9.1522e-01, 5.3979e-04, 9.1556e-02],  
 [4.8496e+00, 3.8443e-03, 2.7216e-01],  
 [4.2965e+01, 9.8609e-02, 1.5739e+00],

[5.8735e-02, 2.0605e-06, 7.4567e-03],  
 [6.2882e-01, 6.6771e-05, 4.1598e-02],  
 [1.3860e+00, 8.8418e-04, 1.3706e-01],  
 [3.4088e+01, 3.7917e-01, 1.3346e+00],  
 [4.3027e+00, 9.3110e-04, 3.1111e-01],  
 [8.6971e+01, 1.8960e+00, 2.3396e+00],  
 [1.5951e+00, 8.7603e-04, 1.2146e-01],  
 [7.5716e-02, 2.5516e-06, 9.3810e-03],  
 [1.1591e+00, 1.4190e-04, 1.0693e-01],  
 [1.9530e+00, 1.4904e-03, 2.1139e-01],  
 [7.3947e+01, 9.5636e-01, 3.0179e+00],  
 [2.8214e+01, 6.6269e-02, 7.2584e-01],  
 [1.2409e+02, 7.8531e-01, 3.0832e+00],  
 [7.2591e+00, 8.6150e-03, 3.1626e-01],  
 [1.1335e+00, 2.3141e-04, 1.0524e-01],  
 [3.4694e+00, 1.4243e-03, 3.7427e-01],  
 [1.9165e-02, 4.3360e-08, 2.7837e-03],  
 [3.9165e-01, 5.7466e-05, 4.6612e-02],  
 [1.0154e-01, 1.5848e-06, 1.3287e-02],  
 [2.9250e+01, 6.1047e-02, 9.6228e-01],  
 [2.0963e+01, 1.8538e-01, 1.1758e+00],  
 [3.1732e-01, 2.0740e-05, 3.8914e-02],  
 [6.6189e-01, 1.3917e-05, 7.2604e-02],  
 [5.7514e-01, 1.5695e-04, 5.8688e-02],  
 [1.1651e+02, 3.5463e-01, 4.0684e+00],  
 [1.4060e+01, 2.0578e-02, 1.3678e+00],  
 [6.1362e-02, 1.5749e-06, 8.0471e-03],  
 [1.1178e+02, 3.2924e-01, 3.3465e+00],  
 [1.7118e+00, 6.3007e-04, 1.1321e-01],  
 [2.2390e+01, 2.0603e-01, 1.0172e+00],  
 [2.0377e+00, 7.4672e-04, 1.4184e-01],  
 [1.9166e+02, 3.9874e+00, 3.6717e+00],  
 [5.7333e+00, 6.3030e-03, 3.4712e-01],  
 [4.2142e-02, 2.1523e-07, 5.7243e-03],  
 [8.7738e-01, 1.9231e-04, 1.2606e-01],  
 [3.3010e+01, 2.3437e-01, 1.0284e+00],  
 [3.4616e-01, 6.5598e-06, 3.8309e-02],  
 [3.4289e+02, 4.0866e+00, 4.9305e+00],  
 [2.6389e+02, 2.3986e+00, 4.5900e+00],  
 [1.1187e+02, 1.0644e+00, 3.4958e+00],  
 [2.4488e+01, 4.4137e-02, 7.4246e-01],  
 [1.9959e-02, 9.2022e-08, 2.8846e-03],  
 [8.2130e+00, 1.1996e-02, 4.0329e-01],  
 [5.2586e-01, 6.2266e-05, 4.6760e-02],  
 [1.4547e+02, 5.4558e-01, 4.3245e+00],  
 [1.6669e+01, 1.4404e-02, 6.7510e-01],  
 [2.8192e+00, 1.9426e-03, 2.4915e-01],  
 [8.2724e-02, 1.4830e-06, 1.1936e-02],

[2.8690e+01, 7.4543e-02, 9.6429e-01],  
[1.0272e-01, 1.2798e-06, 1.4304e-02],  
[1.8070e+01, 1.0032e-01, 7.8319e-01],  
[2.0616e+01, 3.5761e-01, 1.9246e+00],  
[1.2958e+00, 1.3296e-04, 1.1533e-01],  
[7.4084e+00, 9.8281e-03, 5.5711e-01],  
[2.9908e+00, 7.9115e-04, 2.9121e-01],  
[6.7365e+01, 4.5172e-01, 1.1772e+00],  
[1.2136e-01, 1.6455e-05, 1.6994e-02],  
[5.8409e+01, 5.8642e-01, 2.0940e+00],  
[2.7025e-01, 3.0332e-05, 2.8943e-02],  
[1.1300e+00, 2.0998e-04, 9.5430e-02],  
[1.6678e+02, 4.4488e+00, 4.0736e+00],  
[3.8171e+00, 1.1048e-03, 2.2352e-01],  
[7.6633e-03, 6.2842e-08, 1.1955e-03],  
[8.9819e+00, 9.1872e-03, 4.8373e-01],  
[3.7100e-01, 3.2606e-05, 3.2836e-02],  
[1.7278e+00, 5.0613e-05, 1.4667e-01],  
[6.6617e+01, 2.8805e-01, 1.9908e+00],  
[9.5323e+01, 1.4605e-01, 2.1756e+00],  
[1.0842e+01, 1.2276e-02, 6.5785e-01],  
[2.9483e+01, 1.6573e-01, 2.1816e+00],  
[2.5778e-03, 8.0128e-10, 4.0885e-04],  
[1.1609e+01, 1.8064e-02, 6.1049e-01],  
[9.6561e-02, 1.0929e-06, 1.2423e-02],  
[1.3488e+00, 4.0442e-04, 1.0545e-01],  
[1.5850e+01, 2.0367e-02, 1.1832e+00],  
[4.0374e+01, 1.0225e+00, 2.6395e+00],  
[2.9596e+01, 2.2489e-02, 1.7874e+00],  
[1.6383e+02, 1.2703e+00, 4.2809e+00],  
[5.9884e+00, 1.2047e-03, 5.5603e-01],  
[1.5160e+00, 6.2181e-04, 1.0475e-01],  
[7.0903e+01, 3.6869e-01, 3.5636e+00],  
[3.7420e+01, 1.5615e-01, 1.0846e+00],  
[1.3146e+00, 2.3309e-04, 8.8501e-02],  
[4.7492e+01, 1.7448e-01, 1.3613e+00],  
[3.3417e+01, 3.2998e-01, 2.4308e+00],  
[1.3921e+00, 7.4245e-04, 1.1318e-01],  
[6.6971e-01, 1.0407e-04, 5.9307e-02],  
[1.1679e+02, 3.2834e+00, 2.6174e+00],  
[2.3560e+00, 2.9361e-04, 1.9360e-01],  
[6.9486e+01, 7.2048e-01, 2.2449e+00],  
[1.6307e+00, 1.4022e-04, 1.1688e-01],  
[6.2346e-03, 2.0700e-08, 9.6460e-04],  
[1.0372e+00, 1.7140e-04, 7.5993e-02],  
[3.5603e+00, 2.6799e-03, 2.3555e-01],  
[3.7637e+00, 3.6798e-03, 4.0821e-01],  
[3.7796e-01, 4.1331e-05, 3.5094e-02],

[6.9875e+00, 1.7248e-02, 7.1766e-01],  
 [1.4929e+00, 6.3474e-04, 1.4828e-01],  
 [8.0551e+01, 2.2515e+00, 2.7430e+00],  
 [9.3176e+01, 1.1687e+00, 2.3669e+00],  
 [9.5145e+01, 2.1304e+00, 2.4644e+00],  
 [4.5921e+00, 7.2526e-03, 3.7291e-01],  
 [8.2531e+00, 7.7895e-03, 9.5114e-01],  
 [5.0796e+00, 9.3658e-03, 5.5764e-01],  
 [1.7184e+01, 7.3116e-02, 9.9621e-01],  
 [4.8593e-01, 2.5521e-05, 5.5840e-02],  
 [4.0727e+01, 3.6160e-01, 9.9434e-01],  
 [1.1638e+00, 2.6834e-04, 8.6166e-02],  
 [2.2858e-01, 1.8083e-05, 2.5979e-02],  
 [8.0621e-01, 3.6820e-04, 1.0518e-01],  
 [9.7510e+00, 1.3484e-03, 6.0027e-01],  
 [1.4502e+00, 6.3912e-04, 1.4872e-01],  
 [6.0386e+01, 1.3786e+00, 3.3834e+00],  
 [7.0499e+01, 8.4629e-01, 2.7592e+00],  
 [3.2036e+00, 4.2382e-04, 2.8350e-01],  
 [2.2562e+01, 3.5493e-02, 1.2002e+00],  
 [9.0761e+00, 1.1455e-02, 9.5783e-01],  
 [2.5464e-01, 5.8505e-06, 2.9129e-02],  
 [8.3759e+00, 7.7474e-03, 5.9585e-01],  
 [2.0504e+01, 1.4755e-01, 8.2808e-01],  
 [7.8179e-01, 7.3774e-05, 4.6083e-02],  
 [1.0734e+01, 4.5473e-02, 4.7446e-01],  
 [1.1758e+00, 4.1743e-04, 8.5602e-02],  
 [9.0655e-01, 3.2631e-04, 1.2695e-01],  
 [1.1026e-01, 4.4782e-06, 1.4233e-02],  
 [3.4097e-03, 6.2699e-09, 5.3561e-04],  
 [1.0932e+01, 2.9352e-02, 1.0325e+00],  
 [3.4292e+01, 2.2379e-01, 2.0907e+00],  
 [1.7810e+01, 2.6815e-02, 7.7355e-01],  
 [6.1529e+01, 6.1762e-02, 1.4765e+00],  
 [2.2790e+02, 5.2273e+00, 3.9763e+00],  
 [1.9783e+02, 1.1038e+00, 4.8835e+00],  
 [9.9223e+01, 8.4236e-01, 2.0561e+00],  
 [1.0883e+02, 1.3999e+00, 2.0974e+00],  
 [3.7126e+00, 2.5904e-03, 2.8603e-01],  
 [2.4504e+02, 1.4226e+00, 3.6914e+00],  
 [6.7253e-01, 1.0736e-04, 7.9823e-02],  
 [3.6240e+00, 8.8732e-04, 2.1069e-01],  
 [3.3073e-01, 4.3616e-06, 3.6428e-02],  
 [7.6339e+00, 1.2389e-03, 4.7842e-01],  
 [2.3518e-01, 1.2253e-05, 3.1572e-02],  
 [2.9552e+00, 2.6680e-03, 3.8768e-01],  
 [1.1780e+01, 4.8410e-02, 7.0373e-01],  
 [6.5355e-01, 1.4969e-04, 6.9876e-02],

```

[5.3197e+01, 3.3205e-01, 1.9236e+00],
[1.5941e-02, 2.5898e-08, 2.4509e-03],
[8.8789e+01, 2.6101e-01, 3.3197e+00],
[9.2452e-01, 1.0586e-04, 1.0104e-01],
[2.3039e-01, 3.2392e-05, 3.1159e-02],
[7.1423e-01, 5.7724e-05, 7.0251e-02],
[2.0616e+00, 4.2097e-04, 1.8953e-01],
[1.3241e+01, 1.0365e-02, 7.1626e-01],
[1.0721e+02, 1.0139e+00, 3.1071e+00],
[8.8731e+01, 1.5423e+00, 2.5886e+00],
[1.6999e+01, 2.1877e-02, 8.0307e-01],
[4.4969e+00, 8.0858e-03, 4.4911e-01],
[8.9934e+01, 1.0110e+00, 2.9131e+00],
[3.2534e+01, 7.1704e-02, 8.0365e-01],
[1.7699e-02, 1.0064e-07, 2.5594e-03],
[3.2785e+01, 3.7145e-02, 9.9253e-01],
[2.6549e-02, 1.3808e-07, 3.8255e-03],
[2.0132e+00, 1.0591e-03, 2.0961e-01],
[5.6799e+01, 5.8186e-02, 1.8066e+00],
[2.0947e-01, 6.4156e-06, 2.4593e-02],
[1.2221e-01, 1.5312e-06, 1.6509e-02],
[4.6397e+01, 1.5409e-01, 1.6589e+00],
[8.6312e-02, 4.3310e-07, 1.0952e-02],
[8.2379e-02, 8.6773e-08, 1.0282e-02],
[1.0236e+01, 2.2523e-02, 5.4341e-01],
[4.7421e+01, 3.7022e-01, 1.9925e+00],
[4.8303e+01, 1.1652e+00, 2.5321e+00],
[1.4198e+01, 2.3268e-02, 6.7373e-01],
[5.3145e+01, 2.1469e-02, 1.5601e+00],
[1.0830e-01, 6.0620e-06, 1.3162e-02],
[4.0949e-01, 2.6989e-05, 4.7421e-02],
[2.6376e-01, 1.0491e-05, 3.2581e-02],
[4.5867e+00, 7.3984e-03, 2.5116e-01],
[3.5420e+01, 9.8863e-02, 2.2837e+00],
[7.4766e+01, 5.7840e-01, 2.1002e+00],
[6.6578e+00, 1.7272e-03, 6.3821e-01]], dtype=torch.float64)
Iteration: 77
Inputs: tensor([[1.2889e+20, 2.8817e+02, 7.1431e+00, 4.0619e+00],
               [8.8852e+20, 1.4010e+02, 1.4798e+01, 8.1369e+00],
               [6.1038e+20, 2.5149e+02, 8.5470e-01, 5.5945e+00],
               ...,
               [1.0858e+20, 3.3334e+02, 1.7419e+01, 8.9072e+00],
               [1.1310e+19, 4.2212e+02, 8.6574e-01, 1.9330e+00],
               [8.1923e+18, 2.5205e+01, 3.8738e+00, 8.6540e+00]]), dtype=torch.float64)
Target: tensor([[4.3127e+01, 1.2009e-01, 1.5328e+00],
               [9.5349e+01, 2.5362e+00, 4.0812e+00],
               [2.0341e+02, 1.6006e+00, 3.9557e+00],
               [4.9572e+01, 1.5183e-01, 1.7487e+00],

```

[3.7702e-02, 3.2158e-07, 5.2081e-03],  
 [9.1076e+00, 1.9520e-02, 5.8185e-01],  
 [2.4533e+01, 5.8389e-02, 1.0731e+00],  
 [1.5091e+01, 9.1801e-02, 9.4589e-01],  
 [4.2835e-02, 2.6832e-07, 5.6319e-03],  
 [2.7656e+01, 2.2961e-01, 1.0025e+00],  
 [2.1767e-01, 1.6748e-05, 2.8380e-02],  
 [2.5223e-01, 3.1423e-05, 2.5356e-02],  
 [5.2845e+01, 5.6706e-01, 2.3066e+00],  
 [1.0665e-02, 3.7687e-09, 1.6782e-03],  
 [2.6289e+00, 1.3431e-03, 1.4153e-01],  
 [3.1940e+01, 1.9813e-01, 1.7666e+00],  
 [5.4346e+01, 5.0668e-01, 1.5999e+00],  
 [3.4465e+01, 4.5822e-01, 1.5596e+00],  
 [1.1034e-02, 8.3681e-08, 1.6978e-03],  
 [2.1244e+01, 1.5618e-01, 9.9135e-01],  
 [1.5744e+01, 1.3435e-01, 1.4845e+00],  
 [3.6932e+01, 5.1613e-01, 2.0797e+00],  
 [7.3709e+01, 9.2945e-01, 3.8106e+00],  
 [7.8001e+01, 6.2739e-01, 3.4463e+00],  
 [7.4173e+01, 1.6516e-01, 2.6299e+00],  
 [1.5023e-01, 1.2748e-05, 1.6746e-02],  
 [4.1574e-01, 7.5763e-05, 4.7172e-02],  
 [6.7306e+01, 2.2808e-01, 2.2848e+00],  
 [2.9525e+00, 1.2492e-03, 2.7930e-01],  
 [8.3309e-03, 2.8089e-08, 1.2713e-03],  
 [1.6185e+00, 4.8947e-04, 1.1454e-01],  
 [1.6977e-03, 2.7521e-10, 2.7177e-04],  
 [2.0547e+01, 1.5950e-02, 1.4912e+00],  
 [1.7523e+01, 1.8564e-02, 1.4559e+00],  
 [8.2459e+00, 2.1297e-02, 7.2779e-01],  
 [7.7354e-01, 1.1338e-04, 6.5745e-02],  
 [6.1077e-01, 9.1990e-05, 8.9599e-02],  
 [1.3589e+02, 2.7179e+00, 3.4539e+00],  
 [1.1072e+00, 6.8076e-05, 1.0566e-01],  
 [5.4013e+01, 7.7772e-01, 1.6582e+00],  
 [2.3278e+01, 1.0512e-01, 7.2355e-01],  
 [9.9539e+01, 7.2136e-01, 3.9141e+00],  
 [3.6966e+00, 2.2716e-03, 2.5735e-01],  
 [1.1240e+01, 1.6585e-02, 4.2637e-01],  
 [5.8752e+01, 1.9338e-01, 2.3658e+00],  
 [6.5229e-01, 1.2778e-04, 7.8791e-02],  
 [1.3346e+01, 3.2095e-02, 9.6998e-01],  
 [5.2324e+01, 1.0980e-01, 2.9399e+00],  
 [4.6642e+00, 3.6486e-03, 3.9860e-01],  
 [6.5234e-01, 1.1063e-04, 4.7827e-02],  
 [2.6403e+02, 5.7519e+00, 4.8143e+00],  
 [1.3830e+02, 2.2815e+00, 4.1813e+00],

[9.3517e+00, 1.8130e-02, 4.8283e-01],  
 [5.4257e-02, 2.5064e-06, 6.9207e-03],  
 [7.0874e-03, 3.8658e-08, 1.1120e-03],  
 [2.6223e+01, 2.4548e-01, 1.0851e+00],  
 [1.6523e+02, 2.9597e+00, 3.9397e+00],  
 [6.0623e-02, 2.0435e-07, 8.0155e-03],  
 [1.9061e+02, 5.7377e+00, 4.1154e+00],  
 [7.8193e+00, 1.0367e-02, 4.4003e-01],  
 [1.6754e-01, 1.1531e-06, 2.1574e-02],  
 [9.4671e-01, 1.5850e-04, 9.0693e-02],  
 [4.4060e-02, 1.0426e-06, 5.8399e-03],  
 [2.2010e+01, 1.0372e-01, 8.7141e-01],  
 [1.1649e+01, 5.1270e-03, 6.8541e-01],  
 [3.4948e+00, 2.3947e-03, 1.8548e-01],  
 [1.2996e+02, 1.2840e+00, 3.8813e+00],  
 [3.0710e+00, 2.6550e-04, 3.1712e-01],  
 [6.2872e-01, 1.1431e-04, 5.6869e-02],  
 [3.0636e+00, 6.4526e-03, 3.3359e-01],  
 [3.4299e+00, 2.0314e-03, 3.7173e-01],  
 [8.1716e+01, 1.2813e-01, 2.0324e+00],  
 [1.3019e-01, 6.1659e-06, 1.7159e-02],  
 [7.1744e+01, 1.1743e-01, 3.3013e+00],  
 [1.5513e+00, 8.2211e-04, 1.4635e-01],  
 [2.6443e+01, 2.7665e-02, 1.6663e+00],  
 [4.6359e+00, 2.4356e-03, 4.1268e-01],  
 [1.1633e+02, 3.7536e-01, 2.7893e+00],  
 [1.3644e+02, 2.9596e+00, 3.9782e+00],  
 [3.1014e+01, 3.6992e-01, 2.3971e+00],  
 [1.0739e+01, 1.6116e-03, 3.9778e-01],  
 [1.5040e+01, 3.9597e-03, 8.1186e-01],  
 [7.9103e+00, 1.4310e-02, 5.5016e-01],  
 [2.2870e+01, 1.0947e-01, 1.1646e+00],  
 [1.7096e+01, 1.0209e-01, 7.7893e-01],  
 [7.9427e-02, 6.7582e-07, 1.1309e-02],  
 [3.2590e+00, 1.1230e-02, 3.7238e-01],  
 [8.3446e-01, 1.7475e-04, 6.4279e-02],  
 [3.6820e+01, 8.6050e-02, 2.1779e+00],  
 [4.3788e+01, 3.4478e-01, 1.1148e+00],  
 [3.3693e+00, 2.3011e-03, 1.8045e-01],  
 [2.3969e+01, 2.7677e-03, 6.0245e-01],  
 [1.8692e+00, 1.6046e-03, 1.7339e-01],  
 [7.8645e-02, 2.5981e-06, 9.5560e-03],  
 [1.3804e-02, 1.5877e-07, 2.0944e-03],  
 [7.2557e-01, 1.3613e-04, 9.0533e-02],  
 [8.9585e+00, 1.0057e-02, 5.0202e-01],  
 [7.4950e+01, 8.7981e-01, 2.7283e+00],  
 [1.2444e+00, 7.4546e-05, 1.7226e-01],  
 [6.7695e-01, 1.3638e-04, 5.5877e-02],



[1.7494e+01, 8.4111e-03, 9.7845e-01],  
 [1.6653e+01, 1.4526e-01, 1.3628e+00],  
 [1.8899e+00, 3.2898e-03, 1.8681e-01],  
 [3.2672e-03, 2.5900e-09, 5.1833e-04],  
 [4.4759e+00, 2.7387e-03, 2.5094e-01],  
 [1.3859e+01, 5.2651e-02, 7.0917e-01],  
 [6.6751e+00, 3.2129e-02, 5.9573e-01],  
 [1.5378e+02, 2.7042e+00, 3.4021e+00],  
 [1.8276e+00, 8.7439e-04, 1.3338e-01],  
 [5.0914e+00, 1.6809e-03, 3.3543e-01],  
 [3.0869e+00, 2.4438e-03, 3.1735e-01],  
 [7.8617e+01, 5.0852e-01, 2.0079e+00],  
 [1.6104e+01, 3.4888e-02, 7.4614e-01],  
 [9.1202e-01, 3.7713e-04, 8.7371e-02],  
 [6.5246e+00, 2.3333e-02, 6.7308e-01],  
 [1.6838e+01, 6.8333e-02, 6.6852e-01],  
 [5.5316e+00, 1.1979e-02, 4.5260e-01],  
 [2.8693e-01, 1.9911e-05, 3.5081e-02],  
 [5.2653e+00, 5.3054e-03, 3.6072e-01],  
 [8.3322e+00, 3.5618e-02, 5.6346e-01],  
 [1.4849e+01, 9.0870e-02, 1.2055e+00],  
 [1.0341e+02, 1.5873e+00, 2.4032e+00],  
 [1.8405e-02, 2.5306e-07, 2.8067e-03],  
 [4.5209e-01, 5.4145e-05, 5.9620e-02],  
 [1.1489e+02, 5.9348e-01, 2.8960e+00],  
 [6.2366e+00, 7.7952e-03, 5.0737e-01],  
 [9.6204e-01, 1.3018e-04, 6.6597e-02],  
 [1.6778e+01, 9.8708e-02, 9.3604e-01],  
 [2.8158e-01, 1.0720e-05, 3.9939e-02],  
 [1.8140e+02, 4.6372e+00, 4.7510e+00],  
 [2.1987e+01, 8.1885e-02, 8.3896e-01],  
 [4.1353e+00, 7.1577e-03, 2.3904e-01],  
 [9.1206e-01, 2.6639e-04, 8.5463e-02],  
 [5.6673e-01, 1.3018e-04, 6.3025e-02],  
 [3.6204e+00, 3.0263e-03, 2.1282e-01],  
 [5.2722e-01, 4.2178e-05, 4.9300e-02],  
 [1.4986e+01, 1.0289e-01, 8.7516e-01],  
 [1.6015e+01, 5.4722e-02, 6.9866e-01],  
 [2.4891e+02, 2.6841e+00, 5.0375e+00],  
 [5.0121e-03, 5.5529e-09, 7.7397e-04],  
 [1.3587e+01, 1.6256e-02, 6.9251e-01],  
 [8.0127e-01, 2.2754e-04, 7.4435e-02],  
 [6.9921e+00, 5.3261e-03, 3.3096e-01],  
 [1.0257e+02, 1.2767e+00, 3.2564e+00],  
 [1.0264e+00, 5.7540e-05, 6.4807e-02],  
 [2.3186e-02, 8.7302e-08, 3.4079e-03],  
 [3.1370e+00, 3.8640e-03, 3.0168e-01],  
 [5.1609e+01, 7.6501e-02, 1.3227e+00],

[2.1290e+01, 5.7829e-02, 7.5795e-01],  
[1.2879e+00, 5.6062e-04, 1.3604e-01],  
[1.1391e-01, 3.5412e-06, 1.2674e-02],  
[6.3189e+01, 3.4287e-01, 2.0286e+00],  
[2.0921e-01, 4.2604e-06, 2.5908e-02],  
[4.3017e-02, 4.6833e-07, 6.3082e-03],  
[1.2189e-02, 2.7432e-08, 1.8098e-03],  
[1.5674e-01, 3.8789e-06, 1.9634e-02],  
[7.5083e+00, 4.7108e-03, 5.3759e-01],  
[7.6321e+01, 3.2032e-01, 2.0803e+00],  
[8.5107e-04, 3.8769e-11, 1.3800e-04],  
[1.0166e+01, 3.1538e-03, 5.5888e-01],  
[2.0857e+01, 5.6760e-02, 1.0830e+00],  
[7.5319e-01, 8.8224e-05, 7.8115e-02],  
[6.9165e+01, 1.7884e-01, 2.9932e+00],  
[4.8354e+00, 7.9760e-03, 4.6195e-01],  
[2.0227e+01, 1.3294e-02, 7.0926e-01],  
[6.7987e-01, 4.4252e-05, 4.4509e-02],  
[3.5657e+00, 2.8584e-03, 2.2052e-01],  
[3.1508e+01, 8.5464e-03, 1.0311e+00],  
[7.6474e+00, 8.2531e-03, 3.1346e-01],  
[4.0802e+01, 2.4134e-01, 1.6078e+00],  
[1.2686e+01, 3.1014e-02, 9.8892e-01],  
[2.2950e+00, 2.3356e-04, 2.3054e-01],  
[8.4859e+00, 2.6413e-02, 5.7032e-01],  
[7.3628e+01, 1.1953e+00, 1.9401e+00],  
[2.3912e-02, 6.2952e-08, 3.6948e-03],  
[3.6016e+01, 2.3582e-01, 1.2826e+00],  
[6.4215e+01, 1.0209e+00, 2.2454e+00],  
[1.7352e+02, 4.3164e-01, 3.4987e+00],  
[1.8723e+00, 8.5735e-04, 1.2552e-01],  
[3.9857e-01, 5.4793e-05, 4.1031e-02],  
[1.4298e+02, 4.5072e-01, 3.1465e+00],  
[1.9197e+01, 8.9926e-02, 6.3301e-01],  
[4.4866e+00, 1.0836e-04, 2.2894e-01],  
[4.7062e+01, 2.3159e-01, 1.0994e+00],  
[2.5138e+01, 1.6541e-01, 1.6828e+00],  
[2.7991e+00, 3.1581e-03, 2.1597e-01],  
[1.0802e+01, 1.0671e-02, 1.1065e+00],  
[6.5176e+01, 7.3394e-01, 2.2339e+00],  
[1.3179e-01, 9.8010e-06, 1.6527e-02],  
[4.5183e+01, 2.3999e-01, 1.9282e+00],  
[2.5422e+00, 2.1143e-03, 1.7734e-01],  
[8.0656e-03, 1.1306e-08, 1.2773e-03],  
[1.5710e-01, 1.2426e-05, 1.8238e-02],  
[3.6855e+01, 8.5546e-02, 1.2650e+00],  
[2.6573e+00, 1.1840e-03, 2.5010e-01],  
[6.7210e+01, 3.7691e-01, 1.7695e+00],

[6.1356e+01, 5.7472e-01, 1.6999e+00],  
 [6.0387e+01, 1.6612e-01, 3.1068e+00],  
 [7.2376e+01, 9.1507e-02, 3.2082e+00],  
 [1.0411e+01, 4.6355e-03, 7.7079e-01],  
 [4.6460e+00, 1.9082e-03, 3.5459e-01],  
 [1.4497e+00, 1.1149e-03, 1.3497e-01],  
 [2.5391e-01, 2.9596e-05, 2.7485e-02],  
 [2.4649e+01, 4.5140e-02, 9.0530e-01],  
 [1.1565e+00, 5.5579e-04, 8.9458e-02],  
 [1.1714e+00, 3.7156e-04, 9.9024e-02],  
 [3.1731e+01, 2.9599e-01, 1.3076e+00],  
 [9.8264e+01, 3.2660e-01, 3.8515e+00],  
 [8.4523e+00, 3.2727e-02, 7.6464e-01],  
 [2.5371e+01, 1.1959e-01, 1.5336e+00],  
 [4.8581e+01, 2.6520e-01, 2.0315e+00],  
 [4.6784e+01, 1.3788e-01, 1.6829e+00],  
 [3.2093e+00, 2.8862e-03, 2.0762e-01],  
 [1.3826e+01, 1.8615e-02, 1.3257e+00],  
 [7.2204e-03, 5.1692e-09, 1.1195e-03],  
 [8.5871e-01, 2.7603e-04, 7.5395e-02],  
 [3.3451e+00, 1.1272e-03, 2.8695e-01],  
 [3.1518e+00, 2.1415e-03, 2.5627e-01],  
 [2.7372e+00, 2.0226e-03, 1.9692e-01],  
 [2.2747e+00, 1.0558e-03, 2.1131e-01],  
 [2.8954e-01, 1.6766e-05, 3.2078e-02],  
 [3.7022e+01, 2.8801e-01, 1.0619e+00],  
 [7.8753e-01, 3.9386e-04, 1.0129e-01],  
 [4.2251e+01, 1.8322e-01, 1.8343e+00],  
 [1.3815e+01, 3.4061e-02, 6.8915e-01],  
 [3.0813e+01, 3.2754e-01, 2.0245e+00],  
 [8.3176e+00, 6.0765e-03, 3.6193e-01],  
 [1.2573e+02, 1.3016e+00, 1.9599e+00],  
 [3.4823e-02, 1.2507e-06, 5.2733e-03],  
 [3.5513e-02, 1.1235e-07, 4.9839e-03],  
 [3.9727e-02, 8.2824e-07, 5.8031e-03],  
 [1.7270e+00, 6.9486e-04, 2.4311e-01],  
 [2.8068e+01, 1.3005e-01, 9.0934e-01],  
 [3.2156e+01, 3.3396e-02, 1.8969e+00],  
 [7.7013e-03, 1.0945e-08, 1.2227e-03],  
 [6.3009e+00, 4.0602e-03, 3.1736e-01],  
 [1.3105e+01, 3.2233e-02, 5.1105e-01],  
 [2.5928e-01, 7.9788e-06, 3.0618e-02],  
 [1.0253e+02, 2.3106e+00, 3.3373e+00],  
 [1.3498e-01, 4.6817e-06, 1.5673e-02],  
 [6.9751e+00, 8.5515e-03, 5.7189e-01],  
 [3.5438e+01, 3.8501e-02, 1.7836e+00],  
 [4.9550e+01, 4.5293e-01, 2.1237e+00],  
 [7.5454e-02, 2.4119e-06, 1.0512e-02],

[7.4947e-01, 5.9828e-05, 8.7660e-02],  
 [8.2343e-01, 7.0360e-04, 9.3975e-02],  
 [1.2984e-01, 3.2602e-06, 1.7887e-02],  
 [1.1282e+01, 2.9691e-02, 4.9768e-01],  
 [2.7816e+00, 1.3824e-03, 2.3278e-01],  
 [2.7345e+00, 1.9935e-03, 1.9165e-01],  
 [1.1186e+01, 2.8516e-02, 6.0938e-01],  
 [1.2702e+02, 9.8500e-01, 3.1333e+00],  
 [9.8054e+01, 8.2933e-01, 3.1303e+00],  
 [2.1475e+00, 3.4133e-04, 1.5612e-01],  
 [1.0152e+02, 1.7090e+00, 3.9090e+00],  
 [4.5471e-01, 9.1308e-05, 4.0882e-02],  
 [8.4336e-01, 1.2905e-04, 7.4574e-02],  
 [1.8294e+01, 2.6480e-01, 1.7128e+00],  
 [1.1334e+00, 2.3163e-04, 1.0264e-01],  
 [6.8895e+00, 4.8576e-03, 6.3970e-01],  
 [6.6140e-01, 6.0866e-06, 5.4878e-02],  
 [6.1494e-01, 1.9681e-05, 4.7138e-02],  
 [1.4453e+00, 9.4892e-04, 1.4475e-01],  
 [1.4511e+01, 3.5291e-02, 8.3384e-01],  
 [3.9923e+00, 2.7460e-03, 3.0331e-01],  
 [7.2458e+00, 1.4129e-03, 4.2593e-01],  
 [2.8049e-01, 2.0081e-06, 3.1879e-02],  
 [2.4308e+00, 1.7709e-03, 2.2202e-01],  
 [6.5229e+00, 1.1708e-02, 3.8047e-01],  
 [4.0086e+01, 6.4922e-02, 1.4952e+00],  
 [1.3459e-01, 2.2941e-05, 2.0040e-02],  
 [5.0189e+01, 1.9081e-01, 3.0762e+00],  
 [3.2275e+01, 1.4153e-01, 8.4833e-01],  
 [7.4852e+00, 5.5839e-04, 4.0115e-01],  
 [2.9545e+02, 6.7134e+00, 4.7262e+00],  
 [3.3736e-01, 7.9810e-05, 4.2420e-02],  
 [9.4783e-03, 1.4407e-08, 1.4424e-03],  
 [4.9767e-01, 1.9901e-05, 3.6196e-02],  
 [1.1165e+01, 4.6642e-03, 5.6033e-01],  
 [8.6406e-01, 2.1845e-04, 6.7987e-02],  
 [4.7562e-01, 2.0072e-05, 4.5258e-02],  
 [1.3505e+01, 1.7983e-02, 6.7935e-01],  
 [9.7592e+01, 3.0955e-01, 3.1270e+00],  
 [1.8238e+02, 7.9911e-01, 4.4393e+00],  
 [7.4270e-02, 2.4771e-07, 1.0639e-02],  
 [4.1444e+01, 2.0344e-01, 1.0078e+00],  
 [1.0494e+00, 2.7415e-05, 7.6114e-02],  
 [4.5781e+00, 2.1984e-03, 1.9985e-01],  
 [3.8099e+01, 1.2729e-01, 1.1934e+00],  
 [2.4299e+01, 3.1306e-02, 2.1390e+00],  
 [3.9692e+00, 2.1539e-03, 1.7845e-01],  
 [1.8687e+00, 9.5955e-04, 1.5692e-01],

```

[1.7779e-01, 3.1444e-06, 2.0392e-02],
[2.0966e+01, 2.2707e-02, 1.1121e+00],
[4.0595e+01, 1.0118e-01, 2.6937e+00],
[1.2183e+01, 6.4827e-04, 3.8582e-01],
[9.7312e+00, 8.2376e-03, 8.0791e-01],
[6.9931e-03, 1.4955e-08, 1.0733e-03],
[3.4998e+01, 2.3542e-01, 1.0182e+00],
[1.7775e+00, 5.6001e-05, 9.6852e-02],
[2.3321e+01, 1.4955e-01, 1.1729e+00],
[2.2908e-01, 1.5469e-05, 3.1483e-02],
[5.6058e+00, 1.7912e-03, 4.0788e-01],
[2.2448e+00, 8.7319e-04, 1.9668e-01],
[2.2170e+00, 3.2016e-04, 2.1200e-01],
[1.0233e+01, 2.0841e-02, 8.8944e-01],
[6.7496e+01, 1.0124e+00, 1.9764e+00],
[1.3363e+02, 1.2131e+00, 2.2164e+00],
[1.2425e+02, 2.9864e+00, 2.9709e+00],
[4.3658e-03, 3.4018e-08, 6.8924e-04],
[4.3903e-01, 1.7318e-05, 3.1960e-02],
[1.1867e+01, 7.5031e-03, 4.5034e-01],
[2.1124e+00, 1.6925e-03, 1.6016e-01],
[2.7015e-01, 1.1939e-05, 3.4971e-02],
[4.6460e-03, 3.5726e-08, 7.2928e-04],
[2.3190e+00, 1.3146e-03, 1.4868e-01],
[5.6226e+01, 2.4365e-01, 1.8561e+00],
[4.0424e+01, 5.4022e-01, 1.4010e+00],
[9.0986e+00, 4.9018e-04, 3.3489e-01],
[9.7077e-02, 6.7926e-06, 1.3955e-02]], dtype=torch.float64)
Iteration: 78
Inputs: tensor([[6.4862e+19, 4.6896e+02, 1.4747e+01, 7.0334e+00],
[2.1634e+18, 2.9969e+02, 1.7604e+00, 8.8559e+00],
[1.3936e+19, 1.6108e+02, 2.0566e+00, 6.4538e+00],
...,
[1.4022e+18, 2.0041e+02, 7.8608e+00, 2.4487e+00],
[1.1568e+18, 7.3969e+01, 1.2624e+01, 9.5277e+00],
[6.2699e+18, 2.9504e+02, 1.1910e+00, 3.7200e+00]], dtype=torch.float64)
Target: tensor([[3.4557e+01, 2.5133e-01, 1.0694e+00],
[9.7585e-01, 1.4588e-04, 6.5322e-02],
[5.0949e+00, 2.4540e-03, 3.0256e-01],
[2.8677e+01, 4.3430e-01, 1.9502e+00],
[1.3340e-01, 2.9827e-06, 1.8088e-02],
[2.0239e-01, 4.4768e-05, 2.7831e-02],
[1.4703e+01, 4.7128e-02, 6.4638e-01],
[2.6821e+01, 4.3691e-02, 9.4003e-01],
[1.1502e+01, 8.7867e-03, 7.7158e-01],
[2.9756e+01, 1.7329e-01, 9.0185e-01],
[7.1446e+00, 3.9477e-03, 3.7316e-01],
[2.4562e-01, 1.4321e-05, 2.8271e-02],

```

[8.1152e-02, 2.9219e-06, 1.2189e-02],  
 [1.5294e+02, 1.7952e-01, 3.3929e+00],  
 [1.6745e+01, 6.0326e-02, 5.6973e-01],  
 [1.1048e-01, 6.2262e-06, 1.4792e-02],  
 [6.7472e+01, 1.8108e-01, 1.7659e+00],  
 [1.0909e+02, 2.4249e+00, 2.7546e+00],  
 [1.8078e-01, 5.4118e-06, 2.0599e-02],  
 [5.9153e+01, 2.5190e-01, 1.4842e+00],  
 [3.2357e-02, 1.8847e-07, 4.4403e-03],  
 [1.9773e+00, 4.3915e-03, 2.2349e-01],  
 [1.8629e+01, 1.0650e-01, 7.2559e-01],  
 [2.4729e+00, 1.6635e-03, 1.8585e-01],  
 [3.5171e-01, 2.9479e-06, 2.9160e-02],  
 [2.0523e+01, 4.5808e-02, 6.5099e-01],  
 [1.1317e+02, 1.4054e+00, 4.1944e+00],  
 [1.3409e+00, 1.0069e-03, 1.8294e-01],  
 [1.3348e+01, 8.7822e-02, 9.3532e-01],  
 [6.3289e+00, 2.6612e-03, 2.3627e-01],  
 [2.6270e+01, 1.4145e-01, 9.4583e-01],  
 [2.4784e+01, 1.0096e-02, 7.8378e-01],  
 [1.5466e+00, 6.1557e-04, 2.0850e-01],  
 [7.1271e-03, 1.1992e-09, 1.0864e-03],  
 [1.4567e+00, 6.5631e-04, 1.2085e-01],  
 [2.9581e+00, 6.8885e-03, 3.0223e-01],  
 [3.0436e+00, 1.7901e-03, 1.7434e-01],  
 [1.4678e-01, 2.2814e-05, 2.0527e-02],  
 [6.5075e+01, 3.2080e-01, 3.0249e+00],  
 [1.8461e+02, 2.5291e+00, 4.4462e+00],  
 [1.7605e+01, 4.0464e-02, 6.5156e-01],  
 [5.2156e+00, 7.7768e-03, 3.7646e-01],  
 [5.3646e-02, 5.9038e-07, 8.2472e-03],  
 [1.5305e+01, 3.9168e-02, 1.2267e+00],  
 [5.0253e+01, 6.8697e-01, 1.5245e+00],  
 [2.1882e+00, 3.3264e-03, 1.9762e-01],  
 [3.9693e+00, 2.5406e-03, 2.5196e-01],  
 [2.2751e+00, 1.3719e-03, 1.4978e-01],  
 [1.0645e+02, 1.2739e+00, 4.1351e+00],  
 [8.5973e-01, 3.6404e-04, 8.3901e-02],  
 [2.3713e+01, 2.0404e-01, 9.1644e-01],  
 [2.3906e-01, 3.3145e-06, 2.6226e-02],  
 [1.2712e+00, 3.5325e-04, 1.0557e-01],  
 [4.8868e-01, 4.9325e-06, 4.0994e-02],  
 [1.2000e-01, 1.2845e-06, 1.3598e-02],  
 [1.7014e+01, 6.6631e-02, 1.1600e+00],  
 [5.8991e+00, 5.4435e-03, 5.9118e-01],  
 [4.1615e+00, 1.0690e-03, 4.8810e-01],  
 [1.3038e+01, 1.9268e-02, 9.2090e-01],  
 [4.7382e+00, 4.3897e-03, 3.2632e-01],

[2.9712e+01, 1.3960e-01, 1.2713e+00],  
 [2.3315e+01, 5.9176e-02, 1.5683e+00],  
 [1.4097e+00, 1.1064e-03, 1.4147e-01],  
 [7.6965e+01, 1.2737e+00, 2.9947e+00],  
 [1.7940e+02, 1.8384e+00, 4.7316e+00],  
 [3.5392e+01, 3.9839e-02, 2.0899e+00],  
 [1.3909e+01, 2.4169e-02, 7.4500e-01],  
 [5.2697e+01, 1.4996e-01, 3.1448e+00],  
 [3.3547e+00, 5.1995e-04, 2.2151e-01],  
 [4.4864e+00, 1.7661e-02, 5.0911e-01],  
 [3.9861e-01, 4.2547e-05, 3.5690e-02],  
 [1.5735e-01, 9.4797e-06, 1.6854e-02],  
 [4.7394e-01, 1.8711e-04, 4.7847e-02],  
 [2.6764e+00, 2.4228e-03, 1.5834e-01],  
 [3.3577e-01, 2.2391e-05, 4.5995e-02],  
 [5.3309e+00, 3.0664e-02, 4.9398e-01],  
 [5.3439e-01, 1.0331e-04, 4.4775e-02],  
 [1.5390e+00, 2.4129e-04, 1.1526e-01],  
 [2.4285e+01, 3.4947e-02, 1.8679e+00],  
 [9.0326e+01, 8.4110e-01, 2.7011e+00],  
 [3.2369e+00, 1.9357e-02, 3.9720e-01],  
 [5.7399e+00, 5.1673e-03, 4.6037e-01],  
 [1.0694e+01, 3.0800e-02, 7.7890e-01],  
 [1.6445e+00, 6.4861e-04, 1.0983e-01],  
 [9.4546e+01, 7.5328e-01, 2.7811e+00],  
 [9.1250e+01, 1.3352e+00, 3.2836e+00],  
 [1.5775e-01, 3.1339e-05, 2.1234e-02],  
 [1.8088e+02, 8.4030e+00, 4.5605e+00],  
 [3.1654e+01, 1.5097e-01, 1.6594e+00],  
 [1.3057e+02, 3.9516e-01, 3.9223e+00],  
 [4.6415e+00, 5.6648e-04, 3.0205e-01],  
 [4.0160e+00, 3.4586e-03, 2.1122e-01],  
 [1.3983e+02, 3.2202e+00, 3.6719e+00],  
 [3.0925e-01, 7.6869e-06, 3.6786e-02],  
 [1.8796e-02, 2.0509e-07, 2.7469e-03],  
 [1.2075e+00, 3.9956e-05, 1.1646e-01],  
 [9.1600e+00, 1.7665e-02, 4.1099e-01],  
 [5.0408e+01, 2.6059e-01, 1.3038e+00],  
 [8.0043e-03, 8.4731e-09, 1.2298e-03],  
 [3.0999e+01, 1.5407e-01, 1.1314e+00],  
 [1.2291e+01, 1.1008e-01, 1.3132e+00],  
 [1.1753e+01, 1.8825e-03, 4.5021e-01],  
 [1.2085e+01, 9.8689e-03, 6.3266e-01],  
 [2.1647e-01, 1.6753e-05, 2.3130e-02],  
 [7.7362e-03, 8.8622e-08, 1.1714e-03],  
 [2.0126e+01, 1.5363e-02, 7.2108e-01],  
 [8.7679e+01, 3.2741e-01, 3.2868e+00],  
 [1.0389e-02, 5.8740e-08, 1.6108e-03],

[4.1803e+00, 1.3721e-03, 3.5118e-01],  
 [1.1484e+02, 3.4750e+00, 2.8425e+00],  
 [3.4070e+01, 1.5959e-01, 1.6560e+00],  
 [5.3199e+00, 8.9495e-04, 2.9767e-01],  
 [5.5910e+01, 3.3085e-01, 2.2161e+00],  
 [2.6217e-01, 3.4189e-05, 3.9341e-02],  
 [6.8851e+00, 8.2850e-03, 3.3473e-01],  
 [8.1136e+01, 9.3566e-01, 2.1628e+00],  
 [3.9823e-01, 3.6154e-05, 3.8817e-02],  
 [6.5694e-01, 1.4186e-04, 5.1255e-02],  
 [6.9759e+00, 1.2541e-02, 3.2166e-01],  
 [3.5501e+01, 2.2299e-01, 2.0058e+00],  
 [4.1567e-01, 6.3071e-05, 3.4891e-02],  
 [7.3109e+00, 5.1950e-03, 2.4545e-01],  
 [5.3837e+00, 4.5169e-03, 3.0187e-01],  
 [9.2375e+00, 7.1088e-03, 6.4981e-01],  
 [1.0424e+02, 9.8761e-01, 3.4623e+00],  
 [1.7423e+02, 3.2549e+00, 3.9656e+00],  
 [3.3929e+01, 4.0981e-01, 1.4758e+00],  
 [3.2051e+01, 4.8788e-01, 2.4216e+00],  
 [1.0120e+01, 3.2040e-02, 8.5788e-01],  
 [1.1753e-01, 4.3673e-06, 1.3727e-02],  
 [1.4819e+01, 1.8108e-02, 1.2324e+00],  
 [1.7048e+01, 6.6202e-02, 6.7441e-01],  
 [6.5573e+00, 1.0011e-02, 3.4915e-01],  
 [1.9926e-01, 4.9418e-06, 2.5906e-02],  
 [1.3278e-02, 1.1776e-08, 1.9881e-03],  
 [6.1361e+01, 7.1020e-01, 2.1839e+00],  
 [1.2650e+01, 1.5612e-02, 7.2283e-01],  
 [6.5331e+00, 1.7689e-03, 2.8183e-01],  
 [6.1131e-01, 5.0721e-05, 6.8470e-02],  
 [1.0081e+02, 7.4141e-01, 3.8789e+00],  
 [3.8446e+00, 1.0234e-03, 1.6319e-01],  
 [5.4805e+01, 1.5788e-02, 1.3154e+00],  
 [8.1039e-01, 5.5916e-04, 9.8945e-02],  
 [5.2166e-01, 1.7461e-05, 6.3178e-02],  
 [7.0552e+01, 3.0433e-01, 2.5988e+00],  
 [8.7730e+01, 5.9025e-01, 1.6289e+00],  
 [6.6491e+01, 8.6600e-01, 1.6864e+00],  
 [1.0165e+00, 2.3179e-04, 1.0504e-01],  
 [2.0797e-02, 1.1871e-07, 3.1955e-03],  
 [6.4435e+00, 2.5344e-03, 2.8248e-01],  
 [2.1499e-01, 4.9465e-06, 2.8980e-02],  
 [7.7332e+00, 1.9896e-02, 5.8845e-01],  
 [1.7277e+02, 1.0406e+00, 3.0833e+00],  
 [6.4502e-02, 5.3254e-07, 8.6566e-03],  
 [1.4722e-01, 2.7595e-06, 1.9680e-02],  
 [1.2618e-01, 3.1580e-06, 1.5187e-02],



[2.6909e+02, 4.7034e+00, 4.4254e+00],  
 [1.4150e+02, 2.7739e+00, 4.0940e+00],  
 [5.5724e-01, 2.8080e-05, 5.0152e-02],  
 [3.8923e+01, 2.5871e-01, 1.0918e+00],  
 [2.2651e+02, 5.7052e+00, 3.7542e+00],  
 [1.8903e+01, 3.3612e-02, 1.6070e+00],  
 [7.5717e+01, 1.6191e+00, 2.2464e+00],  
 [2.3679e+01, 1.2154e-01, 7.5111e-01],  
 [7.5776e-01, 2.0296e-04, 7.9823e-02],  
 [3.2995e+00, 5.8715e-03, 2.9470e-01],  
 [4.5660e+00, 8.4114e-03, 2.6583e-01],  
 [1.4267e-01, 3.2845e-06, 1.8099e-02],  
 [2.1133e-02, 1.4541e-07, 3.0796e-03],  
 [2.8919e+00, 1.1502e-03, 2.7107e-01],  
 [2.3798e-01, 1.3173e-06, 2.7910e-02],  
 [6.4708e+01, 4.3737e-01, 2.3763e+00],  
 [1.1703e-02, 1.8687e-07, 1.8343e-03],  
 [1.0875e+02, 3.0260e-01, 3.2338e+00],  
 [8.2207e+01, 1.2769e+00, 2.9060e+00],  
 [1.9286e-01, 1.7566e-05, 2.7023e-02],  
 [2.0022e+00, 3.5416e-04, 1.3067e-01],  
 [2.7749e-01, 3.4997e-05, 2.7610e-02],  
 [7.9041e+01, 9.8456e-01, 2.2504e+00],  
 [1.3747e+01, 5.2069e-02, 6.8678e-01],  
 [1.5099e+01, 3.6883e-02, 1.2654e+00],  
 [2.2745e+01, 1.0368e-01, 7.6686e-01],  
 [3.6260e+00, 2.7874e-03, 3.0333e-01],  
 [2.7157e+02, 2.4686e+00, 4.8756e+00],  
 [1.8388e+01, 9.7829e-02, 7.2329e-01],  
 [7.6170e-02, 6.8521e-06, 1.1266e-02],  
 [5.4896e+01, 4.8701e-01, 3.2352e+00],  
 [1.9334e+00, 2.6872e-04, 9.4717e-02],  
 [1.6285e+01, 6.9907e-02, 6.4784e-01],  
 [6.0410e-01, 1.0442e-04, 5.8184e-02],  
 [4.1679e+00, 4.1873e-03, 2.5818e-01],  
 [9.7698e+01, 5.6441e-01, 1.9680e+00],  
 [1.1965e+02, 3.5690e+00, 3.9540e+00],  
 [2.5752e+00, 4.0024e-04, 1.3094e-01],  
 [1.8810e+01, 1.1082e-01, 8.3388e-01],  
 [8.9282e+01, 2.2566e+00, 2.3554e+00],  
 [3.3013e+01, 4.0229e-02, 7.5881e-01],  
 [5.5534e-01, 5.2527e-05, 6.3634e-02],  
 [4.9898e+00, 1.9800e-03, 2.9980e-01],  
 [8.7629e+01, 4.0054e-01, 2.7475e+00],  
 [2.3892e-01, 2.8486e-06, 3.2114e-02],  
 [5.9533e-01, 5.9625e-05, 3.9533e-02],  
 [1.3372e+00, 1.2869e-04, 1.0278e-01],  
 [4.0698e+00, 2.9817e-04, 1.8405e-01],

[2.9702e+01, 1.9934e-01, 1.0089e+00],  
 [8.2886e-02, 6.0620e-07, 1.0272e-02],  
 [3.2058e+00, 1.7216e-03, 2.4832e-01],  
 [5.8838e-02, 1.0012e-06, 7.7641e-03],  
 [6.2734e+01, 1.3768e+00, 2.0841e+00],  
 [1.0601e+02, 3.5624e+00, 3.5836e+00],  
 [1.3595e+02, 1.8270e+00, 2.6811e+00],  
 [7.6025e+01, 1.1090e+00, 2.0794e+00],  
 [7.0819e+00, 2.1549e-03, 4.2166e-01],  
 [1.7802e+00, 6.8998e-04, 1.8938e-01],  
 [1.0511e+02, 9.8544e-01, 2.2608e+00],  
 [9.8220e+00, 1.2503e-02, 1.0071e+00],  
 [9.6819e-02, 1.5395e-06, 1.2449e-02],  
 [2.5454e-02, 2.2156e-07, 3.5886e-03],  
 [1.4754e+02, 2.6778e+00, 2.9517e+00],  
 [3.1435e-01, 2.7341e-05, 2.8077e-02],  
 [1.8372e+01, 3.5023e-02, 1.6334e+00],  
 [6.7945e-01, 1.2425e-04, 6.2604e-02],  
 [4.5855e+01, 6.3857e-01, 2.4180e+00],  
 [5.4768e+00, 7.2533e-04, 5.1020e-01],  
 [1.2966e+02, 3.1129e+00, 3.2911e+00],  
 [9.2443e+01, 4.0638e-01, 1.5311e+00],  
 [1.6735e+01, 1.3789e-02, 6.2183e-01],  
 [1.0018e-01, 1.3575e-06, 1.2680e-02],  
 [4.7653e+00, 4.3775e-03, 3.2487e-01],  
 [4.8703e+01, 2.0137e-01, 2.5286e+00],  
 [6.9312e-01, 1.1630e-04, 5.3522e-02],  
 [1.0149e-04, 3.5222e-12, 1.6738e-05],  
 [8.8871e-01, 2.7618e-04, 1.0548e-01],  
 [6.7119e-03, 3.0837e-08, 1.0679e-03],  
 [1.1647e+01, 2.9444e-02, 6.9533e-01],  
 [1.0920e-02, 5.1604e-08, 1.7026e-03],  
 [8.8241e+01, 9.3343e-02, 1.7320e+00],  
 [6.3169e+00, 1.0239e-02, 4.5267e-01],  
 [1.3894e+01, 2.4816e-02, 4.8618e-01],  
 [4.5227e-02, 1.4908e-06, 6.1699e-03],  
 [1.0883e+00, 2.4809e-04, 9.1883e-02],  
 [4.5943e+01, 2.2114e-01, 1.8455e+00],  
 [3.6558e-01, 2.6269e-05, 5.2007e-02],  
 [2.4767e+01, 4.4748e-02, 7.5169e-01],  
 [3.6802e+01, 7.0134e-02, 8.4360e-01],  
 [6.6551e+01, 9.0259e-01, 3.3050e+00],  
 [4.4356e+01, 6.7866e-02, 1.3012e+00],  
 [3.2788e+01, 3.5225e-01, 1.6551e+00],  
 [1.8950e+00, 1.4521e-04, 9.2966e-02],  
 [4.0439e+00, 4.6093e-03, 2.3786e-01],  
 [7.5753e+00, 5.8670e-03, 2.8114e-01],  
 [2.0889e+01, 2.5867e-02, 8.8211e-01],

[8.2713e+00, 2.1058e-02, 6.4588e-01],  
[1.9950e+02, 6.8384e+00, 4.8277e+00],  
[2.9891e-01, 3.3023e-05, 3.2760e-02],  
[2.3785e+00, 1.6252e-04, 2.2362e-01],  
[4.7455e-01, 8.4161e-05, 4.3149e-02],  
[2.4115e+01, 1.0065e-01, 1.5868e+00],  
[1.4196e+01, 4.6816e-03, 5.2500e-01],  
[5.6857e+01, 5.0569e-01, 1.8619e+00],  
[3.0351e-01, 3.2605e-05, 2.5609e-02],  
[2.7272e+01, 5.1049e-02, 1.6112e+00],  
[3.1226e+01, 8.1226e-02, 2.0675e+00],  
[9.5481e-02, 1.2266e-05, 1.3796e-02],  
[5.5472e-01, 6.0106e-05, 6.0417e-02],  
[8.7876e-01, 6.9871e-05, 5.5643e-02],  
[7.0532e-02, 5.0681e-07, 1.0509e-02],  
[1.2172e+01, 2.0499e-02, 7.9727e-01],  
[3.3019e+01, 6.7418e-02, 1.0242e+00],  
[5.0357e-02, 7.4541e-07, 6.9262e-03],  
[1.3677e+01, 2.2444e-02, 5.0705e-01],  
[1.0438e+01, 2.8132e-02, 9.9815e-01],  
[4.6642e+01, 6.8314e-02, 1.8464e+00],  
[1.3910e+00, 8.2655e-04, 1.0295e-01],  
[3.5452e+00, 1.2738e-03, 2.1241e-01],  
[1.2431e+01, 1.6891e-02, 7.2112e-01],  
[1.2114e+02, 7.9891e-01, 2.8194e+00],  
[1.0806e+01, 4.8185e-03, 5.3701e-01],  
[2.7003e+01, 4.7733e-02, 1.9177e+00],  
[9.6251e+00, 6.4185e-02, 8.3790e-01],  
[2.2895e-01, 2.2042e-05, 2.5590e-02],  
[8.2376e-03, 1.0553e-07, 1.2666e-03],  
[4.6555e+00, 6.2449e-04, 4.1426e-01],  
[1.8524e+01, 1.2888e-01, 8.1361e-01],  
[2.3099e-03, 1.1079e-09, 3.7315e-04],  
[6.6423e+01, 2.2088e-01, 2.8203e+00],  
[3.5765e+01, 5.2081e-01, 2.0632e+00],  
[6.2871e-01, 3.2704e-04, 7.3752e-02],  
[7.7046e+01, 9.8613e-01, 2.9891e+00],  
[3.6440e+00, 2.1461e-03, 4.5022e-01],  
[1.7621e-01, 2.7255e-05, 2.0180e-02],  
[1.0731e-01, 1.6431e-06, 1.5854e-02],  
[5.6288e+00, 5.7225e-03, 6.0808e-01],  
[2.4125e+01, 1.2610e-01, 1.0511e+00],  
[2.7656e-01, 1.7505e-05, 3.3710e-02],  
[8.9514e+01, 6.2714e-01, 2.7212e+00],  
[1.0883e+01, 1.3856e-02, 1.1340e+00],  
[5.0040e-02, 9.6990e-07, 6.8219e-03],  
[6.8781e-01, 2.8954e-04, 7.4114e-02],  
[1.2201e+01, 5.4464e-02, 9.4670e-01],

```

[5.8875e+01, 1.0255e+00, 2.4054e+00],
[2.0733e+01, 1.3854e-01, 1.2911e+00],
[1.8626e+00, 2.2793e-04, 9.0714e-02],
[7.3195e+01, 7.1010e-01, 1.7995e+00],
[9.7286e+01, 9.0213e-01, 3.2066e+00],
[8.4848e+00, 2.2516e-02, 4.2954e-01],
[3.3856e+00, 1.0212e-02, 3.8913e-01],
[1.3336e+01, 2.7726e-02, 7.5529e-01],
[1.6300e+01, 7.4732e-02, 1.1633e+00],
[3.2094e+01, 1.3459e-01, 1.0397e+00],
[7.4043e+01, 1.4125e+00, 2.1626e+00],
[1.1524e+02, 3.9717e+00, 3.1526e+00],
[9.9463e+01, 9.2168e-02, 2.6281e+00],
[2.3519e+02, 4.2860e+00, 4.6914e+00],
[1.2422e+00, 1.9207e-04, 8.6682e-02],
[1.2149e+01, 2.9495e-02, 4.2949e-01],
[1.4989e+01, 1.4527e-02, 4.3393e-01],
[3.5349e-02, 1.6730e-07, 4.8996e-03],
[1.1272e-02, 1.7383e-07, 1.6813e-03],
[3.5366e+00, 3.0769e-04, 1.8594e-01]], dtype=torch.float64)
Iteration: 79
Inputs: tensor([[4.9012e+18, 3.2963e+01, 1.4431e+01, 9.2584e+00],
               [7.5687e+20, 2.5420e+02, 6.6358e+00, 8.2763e+00],
               [6.9359e+20, 3.7589e+02, 3.3707e+00, 8.4062e+00],
               ...,
               [4.1986e+19, 3.6933e+02, 1.5736e+01, 5.8500e+00],
               [8.9049e+18, 3.4004e+02, 1.5234e+01, 5.4908e+00],
               [1.3579e+18, 4.5282e+02, 1.3214e+01, 1.7811e+00]], dtype=torch.float64)
Target: tensor([[2.3059e-02, 8.3854e-07, 3.5274e-03],
               [1.8352e+02, 4.5508e+00, 4.3438e+00],
               [2.4911e+02, 6.4062e+00, 4.2692e+00],
               [4.5030e+01, 5.1719e-01, 1.4632e+00],
               [8.6136e+00, 5.4192e-02, 8.0944e-01],
               [8.8319e+00, 7.1497e-02, 9.7165e-01],
               [9.8491e+01, 6.9440e-01, 3.1752e+00],
               [4.6940e+00, 1.1491e-03, 3.7043e-01],
               [1.0714e+01, 4.1016e-02, 9.3572e-01],
               [2.8309e+01, 5.6201e-02, 1.1980e+00],
               [2.7885e+02, 3.4102e+00, 4.2983e+00],
               [4.0252e+01, 2.4541e-01, 1.1050e+00],
               [9.1359e+00, 8.9879e-03, 3.5611e-01],
               [7.6852e-01, 1.6756e-04, 5.4207e-02],
               [1.8835e+01, 7.1216e-03, 8.3007e-01],
               [3.3359e+00, 2.8398e-03, 2.0982e-01],
               [5.2930e+00, 5.7081e-04, 2.8878e-01],
               [4.3061e+00, 1.1145e-03, 3.1892e-01],
               [3.1472e+01, 5.4929e-02, 1.7628e+00],
               [7.9114e+01, 1.6914e-01, 2.2918e+00],

```

[5.5244e-01, 1.8259e-05, 6.9698e-02],  
[9.5617e+01, 2.8973e-01, 2.4098e+00],  
[2.7736e-01, 1.8560e-05, 3.4036e-02],  
[5.1481e+01, 3.3266e-01, 2.2823e+00],  
[6.3980e-01, 1.3460e-04, 5.9480e-02],  
[2.6399e+01, 2.7164e-01, 9.6980e-01],  
[4.9875e+00, 7.8114e-03, 3.2500e-01],  
[7.1260e+01, 1.1123e+00, 1.9009e+00],  
[8.4087e-01, 5.8100e-05, 7.1609e-02],  
[9.9730e+01, 1.0288e+00, 2.2930e+00],  
[1.5523e+02, 4.0768e+00, 3.2193e+00],  
[3.0600e-03, 6.4863e-09, 4.8852e-04],  
[8.2399e-01, 2.7337e-04, 7.1515e-02],  
[2.4267e+01, 1.8186e-01, 9.5741e-01],  
[8.1469e+01, 2.2861e-01, 3.2742e+00],  
[2.0524e+00, 3.3631e-04, 2.1080e-01],  
[7.3281e+00, 1.1461e-02, 3.4618e-01],  
[2.0665e-01, 4.6113e-05, 2.6968e-02],  
[2.5185e+02, 7.7183e+00, 4.7579e+00],  
[4.2291e+01, 1.7053e-01, 1.4053e+00],  
[7.4284e-02, 1.0458e-06, 1.0434e-02],  
[5.1747e+01, 2.3700e-01, 2.3759e+00],  
[1.0179e+00, 1.2330e-04, 7.9820e-02],  
[3.3188e-01, 4.7409e-05, 3.1140e-02],  
[6.1722e-01, 1.4196e-04, 6.2227e-02],  
[1.6532e+01, 3.9859e-02, 5.4345e-01],  
[1.8641e+00, 9.0842e-04, 1.6988e-01],  
[8.2850e+00, 1.5366e-02, 5.2966e-01],  
[4.2112e-02, 1.5417e-06, 5.9586e-03],  
[6.3807e+01, 7.7068e-01, 2.1224e+00],  
[3.4957e+01, 3.4225e-01, 1.4103e+00],  
[8.4961e+01, 7.0717e-01, 1.4825e+00],  
[1.5884e+00, 2.1706e-04, 1.2840e-01],  
[1.6920e+00, 4.3411e-04, 1.9670e-01],  
[1.0249e+00, 3.2903e-05, 1.0847e-01],  
[3.0433e+01, 7.8040e-02, 7.4791e-01],  
[1.6963e+01, 1.4774e-02, 7.3997e-01],  
[9.1711e+00, 2.4485e-02, 4.1453e-01],  
[1.0898e+02, 2.7571e+00, 2.6653e+00],  
[1.4496e+02, 3.3642e+00, 2.9642e+00],  
[6.1647e+00, 1.3362e-02, 4.3354e-01],  
[6.5041e-02, 2.4646e-06, 9.6555e-03],  
[1.3192e-01, 1.4043e-06, 1.5032e-02],  
[3.1100e-03, 3.4770e-09, 4.9221e-04],  
[1.1831e+02, 5.4554e-01, 4.0289e+00],  
[1.5230e+00, 3.0391e-03, 1.8153e-01],  
[8.8137e+01, 8.7489e-02, 2.4669e+00],  
[1.6216e+02, 1.8204e+00, 4.7414e+00],

[4.2070e-02, 3.0299e-07, 6.2820e-03],  
[1.1706e+00, 3.7765e-04, 8.2508e-02],  
[7.3757e+01, 1.1232e+00, 3.4590e+00],  
[2.5315e+02, 4.2124e+00, 4.5717e+00],  
[2.0415e+01, 2.0069e-02, 1.3145e+00],  
[1.7223e+01, 5.9602e-03, 8.5123e-01],  
[2.6703e+02, 8.9538e-01, 4.5053e+00],  
[4.3765e+00, 4.3214e-03, 3.1027e-01],  
[8.1689e-01, 3.1266e-04, 9.1573e-02],  
[1.0051e+01, 7.8329e-03, 4.8544e-01],  
[2.5782e-01, 6.7882e-06, 3.0470e-02],  
[1.5621e+01, 1.0251e-02, 6.4828e-01],  
[8.5680e+00, 8.4937e-03, 4.8036e-01],  
[8.0441e+00, 6.9194e-03, 5.5159e-01],  
[1.7218e+01, 3.2696e-02, 8.2531e-01],  
[2.7742e+01, 1.7870e-01, 9.4885e-01],  
[1.1255e-01, 1.0514e-06, 1.5253e-02],  
[7.3580e+00, 3.7703e-03, 6.2214e-01],  
[2.1141e-02, 5.3573e-08, 3.1337e-03],  
[3.7398e+00, 4.2553e-03, 2.3143e-01],  
[3.3668e+01, 5.0975e-03, 8.6508e-01],  
[1.5481e+02, 2.1507e+00, 2.4336e+00],  
[1.5491e+01, 8.9814e-02, 8.4800e-01],  
[2.3629e-01, 3.4514e-05, 2.6793e-02],  
[1.4865e-02, 2.2899e-07, 2.2145e-03],  
[8.8161e+01, 9.4006e-01, 1.8592e+00],  
[1.3608e-02, 5.2671e-08, 2.0658e-03],  
[1.8755e+01, 8.1686e-02, 9.2324e-01],  
[4.2675e-01, 7.6824e-05, 6.3057e-02],  
[4.7398e-01, 1.5771e-05, 5.5432e-02],  
[1.4867e+01, 4.1712e-03, 7.4902e-01],  
[3.8427e+00, 4.3874e-03, 3.9253e-01],  
[1.2436e-01, 8.2338e-07, 1.6001e-02],  
[2.8411e-01, 1.4472e-05, 2.8142e-02],  
[1.6999e+02, 4.2403e+00, 4.7863e+00],  
[3.3467e-02, 1.2428e-07, 4.9262e-03],  
[1.6859e-01, 3.6077e-06, 2.3306e-02],  
[7.0604e-01, 4.8535e-05, 8.5074e-02],  
[9.1086e+01, 2.1377e+00, 2.6895e+00],  
[7.2734e+00, 7.6568e-03, 5.9714e-01],  
[4.0415e+00, 8.9763e-04, 2.0039e-01],  
[4.5930e+01, 3.1592e-02, 9.8724e-01],  
[3.2815e+01, 3.6549e-02, 1.9441e+00],  
[2.4907e-01, 1.7868e-05, 3.2919e-02],  
[4.3952e+01, 2.0597e-01, 1.0597e+00],  
[1.5507e+00, 4.0638e-04, 1.6597e-01],  
[1.9972e+02, 4.1262e+00, 4.9436e+00],  
[8.9478e-01, 2.7003e-04, 7.2837e-02],

[4.1972e+01, 2.3978e-01, 1.6246e+00],  
 [3.9397e+00, 3.0756e-03, 2.0469e-01],  
 [2.9543e+01, 1.9319e-02, 9.4408e-01],  
 [1.0342e+02, 1.0670e+00, 3.4166e+00],  
 [1.8444e+00, 4.5517e-04, 1.5320e-01],  
 [4.6604e+00, 2.2276e-03, 2.6827e-01],  
 [6.6988e+01, 5.6180e-01, 1.4653e+00],  
 [4.5860e-01, 5.1778e-06, 3.8997e-02],  
 [4.7329e+01, 6.0859e-01, 1.4058e+00],  
 [9.5009e+01, 5.2323e-01, 4.0635e+00],  
 [8.7668e-02, 2.7049e-06, 1.1403e-02],  
 [2.2051e+00, 1.0805e-03, 1.9155e-01],  
 [7.6428e+01, 1.0492e+00, 2.6413e+00],  
 [8.9877e-01, 6.1761e-05, 4.8915e-02],  
 [7.4695e+01, 2.2975e-01, 2.0217e+00],  
 [1.7016e-03, 2.4505e-09, 2.7284e-04],  
 [3.9523e+01, 1.1181e-01, 1.3523e+00],  
 [6.0518e+01, 6.0692e-01, 1.6398e+00],  
 [9.3767e+00, 1.8311e-02, 4.6163e-01],  
 [4.1347e+00, 1.6474e-03, 3.5159e-01],  
 [3.6145e-01, 6.1028e-05, 3.6033e-02],  
 [3.0317e+01, 2.3707e-01, 1.8467e+00],  
 [1.5246e+01, 1.0383e-01, 1.1459e+00],  
 [6.2915e+01, 5.8684e-01, 2.8217e+00],  
 [7.8590e-02, 3.0177e-06, 1.1424e-02],  
 [1.8023e+00, 1.2857e-03, 1.4733e-01],  
 [5.8877e-02, 1.8460e-06, 7.3967e-03],  
 [5.7571e-02, 2.7111e-06, 8.1684e-03],  
 [1.5069e+02, 3.9989e-01, 3.5214e+00],  
 [9.5664e-01, 1.1995e-04, 8.3832e-02],  
 [2.7643e-01, 4.4829e-05, 2.9621e-02],  
 [2.5740e+00, 6.0110e-04, 2.7268e-01],  
 [1.2963e+02, 4.8828e+00, 3.9506e+00],  
 [2.5234e-01, 4.4933e-05, 2.6958e-02],  
 [9.9777e+01, 1.3451e+00, 2.7604e+00],  
 [8.9002e+01, 2.8938e-02, 3.3289e+00],  
 [1.9201e-02, 2.6105e-07, 2.7752e-03],  
 [7.0501e+01, 1.5632e+00, 3.7338e+00],  
 [2.8754e+01, 3.5736e-01, 1.8735e+00],  
 [6.0726e+01, 9.2217e-01, 1.5809e+00],  
 [6.1526e+01, 4.8275e-01, 2.2141e+00],  
 [1.5601e+01, 3.3865e-02, 9.4581e-01],  
 [1.3261e-01, 1.3315e-05, 1.8219e-02],  
 [1.1492e+01, 1.1327e-03, 5.5577e-01],  
 [3.6951e+00, 1.3784e-03, 2.0763e-01],  
 [5.5651e-01, 5.1718e-05, 5.3989e-02],  
 [4.6538e-01, 1.7865e-04, 5.5185e-02],  
 [8.3019e+00, 2.3050e-02, 7.5061e-01],

[1.0420e+01, 3.5422e-02, 4.8399e-01],  
 [1.4166e-01, 4.2571e-06, 1.6928e-02],  
 [2.0475e+02, 6.6355e+00, 4.5379e+00],  
 [2.0794e+02, 4.0518e+00, 4.9271e+00],  
 [2.5081e-01, 5.0814e-05, 3.5126e-02],  
 [9.4412e+01, 1.8119e+00, 4.0031e+00],  
 [1.8117e+01, 7.0919e-02, 8.8989e-01],  
 [7.0762e-02, 1.7121e-06, 9.0594e-03],  
 [5.4416e+00, 1.2773e-02, 3.3880e-01],  
 [5.7231e+00, 1.8520e-02, 5.4132e-01],  
 [2.0415e+02, 2.7560e+00, 4.3901e+00],  
 [3.8615e+01, 3.1358e-01, 1.2232e+00],  
 [1.5129e+00, 6.4486e-04, 1.0095e-01],  
 [3.8425e+00, 8.2929e-03, 3.7609e-01],  
 [1.3469e-01, 2.3304e-06, 1.6618e-02],  
 [1.3805e+00, 6.1362e-04, 1.1911e-01],  
 [4.1651e+01, 7.3009e-02, 2.5014e+00],  
 [8.5588e+00, 1.3187e-03, 3.8752e-01],  
 [2.7690e+00, 1.4462e-03, 1.8443e-01],  
 [1.5141e+01, 1.5544e-02, 6.1735e-01],  
 [1.4379e+00, 1.1917e-04, 2.0048e-01],  
 [2.1639e+00, 2.4358e-03, 1.7016e-01],  
 [3.2343e-01, 1.3249e-05, 3.2415e-02],  
 [3.0264e+00, 2.1323e-03, 2.6350e-01],  
 [6.0902e+01, 8.2200e-01, 2.1031e+00],  
 [1.9531e+01, 2.7159e-02, 1.3412e+00],  
 [1.0473e+02, 1.4803e+00, 3.3668e+00],  
 [7.8656e-01, 8.7353e-04, 1.0145e-01],  
 [4.2523e-02, 5.6290e-07, 6.0602e-03],  
 [1.0502e-01, 7.8164e-06, 1.1862e-02],  
 [1.5077e-01, 1.5929e-06, 1.6200e-02],  
 [9.2296e+00, 4.8725e-02, 7.9928e-01],  
 [1.4648e-01, 1.1618e-05, 1.7573e-02],  
 [6.7998e-01, 2.6457e-05, 7.5334e-02],  
 [2.6428e+01, 7.9343e-02, 7.0300e-01],  
 [2.3276e+01, 1.8334e-01, 1.7377e+00],  
 [6.8168e+00, 7.9609e-03, 3.1195e-01],  
 [2.2506e-01, 7.4810e-06, 2.9183e-02],  
 [2.5761e+00, 8.1011e-04, 1.6193e-01],  
 [2.1995e+00, 9.5206e-04, 1.4154e-01],  
 [2.9867e-02, 7.4585e-07, 4.5879e-03],  
 [1.0572e+00, 1.1347e-04, 8.9228e-02],  
 [7.4801e-02, 1.7000e-06, 1.0626e-02],  
 [3.4999e+01, 2.1118e-01, 1.0940e+00],  
 [1.2414e+02, 8.9534e-01, 3.5135e+00],  
 [2.1650e+02, 1.3657e+01, 4.9561e+00],  
 [4.0569e+01, 1.1470e-01, 1.5933e+00],  
 [3.0236e+00, 3.4086e-03, 2.3432e-01],



[3.6088e+00, 9.5234e-05, 2.3370e-01],  
 [2.2966e-01, 2.5854e-06, 2.7354e-02],  
 [6.0370e-01, 3.6786e-05, 5.5374e-02],  
 [4.2271e-03, 9.6266e-09, 6.6871e-04],  
 [3.2518e+00, 2.8161e-03, 1.9729e-01],  
 [9.5002e+01, 1.0888e+00, 2.5067e+00],  
 [1.7947e+01, 1.5655e-02, 8.1353e-01],  
 [2.1556e+00, 2.5286e-04, 1.8626e-01],  
 [8.3358e-02, 3.8168e-06, 1.2378e-02],  
 [1.1756e+00, 6.2963e-04, 1.0149e-01],  
 [1.1245e+02, 1.0103e+00, 2.2636e+00],  
 [4.4501e-04, 7.7320e-11, 7.2702e-05],  
 [2.1586e+01, 8.9251e-02, 1.1722e+00],  
 [1.3115e+01, 7.8978e-02, 9.4163e-01],  
 [3.7732e+01, 2.0497e-01, 1.4471e+00],  
 [7.3129e-01, 3.2490e-04, 8.4178e-02],  
 [2.5391e+01, 7.7043e-02, 2.1186e+00],  
 [2.9590e-01, 4.0808e-05, 3.1637e-02],  
 [4.9105e-02, 5.9396e-07, 6.4728e-03],  
 [4.9927e+01, 4.5459e-01, 1.1608e+00],  
 [9.9148e+01, 2.7776e+00, 2.6881e+00],  
 [1.1181e+02, 3.5989e+00, 3.4006e+00],  
 [4.2587e+01, 1.8586e-01, 1.3796e+00],  
 [2.0331e+02, 2.5767e+00, 3.9635e+00],  
 [3.7250e+01, 4.0482e-01, 2.7578e+00],  
 [1.4436e-01, 4.6385e-06, 1.8809e-02],  
 [1.1319e-01, 7.6722e-07, 1.4862e-02],  
 [2.7010e+00, 2.5681e-04, 2.3906e-01],  
 [7.3157e-01, 8.3247e-05, 6.2115e-02],  
 [1.2943e+02, 6.1792e-01, 3.8918e+00],  
 [1.4903e+01, 9.3051e-03, 5.9825e-01],  
 [2.1597e+00, 1.9540e-04, 1.0903e-01],  
 [3.9027e+00, 2.0438e-03, 2.5263e-01],  
 [2.4168e+02, 9.0145e+00, 5.0331e+00],  
 [8.7859e-02, 1.6602e-06, 1.2468e-02],  
 [1.6800e+00, 5.4594e-05, 1.0441e-01],  
 [1.6619e+02, 4.0618e+00, 4.0998e+00],  
 [1.7320e+01, 1.7205e-01, 1.4209e+00],  
 [3.3979e+01, 5.4250e-01, 2.0985e+00],  
 [2.5238e+00, 2.5939e-03, 1.7323e-01],  
 [1.9249e-01, 1.8141e-05, 1.9519e-02],  
 [1.0327e+01, 4.1141e-03, 3.9053e-01],  
 [4.2876e-01, 7.8754e-05, 4.6107e-02],  
 [1.0380e+01, 3.0453e-02, 7.0699e-01],  
 [1.1062e+00, 5.0840e-05, 7.8660e-02],  
 [2.1901e+01, 3.9357e-02, 7.9254e-01],  
 [1.2520e+01, 1.0904e-01, 9.1168e-01],  
 [4.6527e-02, 1.4073e-07, 6.9694e-03],

[4.2135e+00, 2.5631e-03, 3.3754e-01],  
 [7.4431e+00, 2.9483e-03, 5.1022e-01],  
 [1.5151e+02, 3.1353e+00, 3.3058e+00],  
 [2.2322e+02, 6.0309e+00, 3.6242e+00],  
 [4.7678e+01, 2.2710e-01, 3.1467e+00],  
 [5.2834e-02, 9.4781e-07, 7.8696e-03],  
 [6.6233e-01, 3.8318e-04, 7.4058e-02],  
 [5.1369e-02, 3.5779e-07, 7.2868e-03],  
 [8.0585e-01, 9.1122e-05, 4.5000e-02],  
 [3.3005e-01, 7.5866e-05, 3.2753e-02],  
 [1.5977e+02, 1.5525e+00, 4.2738e+00],  
 [9.0407e+00, 8.9047e-03, 4.0419e-01],  
 [5.9266e-01, 8.3536e-05, 7.5803e-02],  
 [2.8385e+01, 3.6931e-02, 1.5715e+00],  
 [7.9955e-01, 4.7631e-04, 9.0447e-02],  
 [5.2220e+01, 1.7189e-01, 3.1327e+00],  
 [9.4469e+00, 6.1959e-03, 4.8641e-01],  
 [6.6888e-02, 1.2452e-06, 9.1172e-03],  
 [2.6652e-01, 2.8079e-05, 3.1877e-02],  
 [4.8901e+01, 4.1072e-01, 1.4719e+00],  
 [1.3617e+00, 4.6193e-04, 1.0796e-01],  
 [2.6565e+00, 1.5124e-03, 1.5252e-01],  
 [2.1984e+01, 2.2192e-01, 1.0202e+00],  
 [3.2655e-01, 4.5986e-05, 3.0166e-02],  
 [7.0067e+00, 1.0032e-02, 5.3694e-01],  
 [5.2364e+00, 3.4909e-03, 3.9650e-01],  
 [2.9568e-01, 2.6073e-05, 2.5599e-02],  
 [2.3624e+01, 6.4072e-02, 7.7944e-01],  
 [4.8622e+01, 2.8512e-01, 3.0981e+00],  
 [8.0212e+00, 5.9575e-03, 4.4868e-01],  
 [3.7021e+01, 8.8064e-02, 2.2437e+00],  
 [4.5611e-01, 5.9283e-05, 3.6296e-02],  
 [1.5859e-01, 1.1545e-05, 1.8153e-02],  
 [7.2030e-02, 2.5464e-06, 8.8473e-03],  
 [5.3957e+01, 1.0588e+00, 1.7873e+00],  
 [7.9801e-01, 1.0424e-04, 1.0946e-01],  
 [1.1157e+02, 1.0880e+00, 3.9100e+00],  
 [2.0916e+01, 1.4515e-01, 1.0723e+00],  
 [1.2200e+00, 7.6588e-04, 9.6528e-02],  
 [4.2671e+00, 2.8592e-03, 3.4091e-01],  
 [1.3320e+01, 1.4964e-02, 4.3780e-01],  
 [5.2262e-02, 1.1960e-06, 7.4397e-03],  
 [3.7343e-02, 2.7452e-07, 5.6287e-03],  
 [6.0754e-01, 9.9698e-05, 6.0177e-02],  
 [1.3925e+02, 1.9397e+00, 3.2941e+00],  
 [4.6473e+01, 1.0490e-01, 1.5175e+00],  
 [2.7148e+01, 1.4286e-01, 8.9789e-01],  
 [3.7364e+01, 4.5768e-01, 1.1436e+00],

```

[5.7490e+01, 4.8373e-01, 2.2523e+00],
[2.0211e+00, 2.5828e-04, 2.0239e-01],
[1.2676e+01, 3.4771e-02, 6.0077e-01],
[1.5340e+00, 2.9549e-04, 9.8614e-02],
[8.1693e+01, 1.1171e-01, 3.9069e+00],
[1.6626e+02, 3.6417e+00, 4.0775e+00],
[1.0624e+01, 3.1812e-02, 6.1706e-01],
[1.1589e+02, 9.3135e-01, 4.2009e+00],
[7.9408e+01, 1.3509e+00, 2.0943e+00],
[1.6139e+01, 5.4197e-02, 7.2787e-01],
[2.0053e+00, 1.0114e-03, 1.6027e-01],
[4.2978e-02, 2.4586e-07, 5.8205e-03]], dtype=torch.float64)
Iteration: 80
Inputs: tensor([[6.3998e+19, 4.7148e+02, 4.4474e+00, 9.3930e+00],
[5.5122e+20, 1.0319e+02, 3.8187e+00, 9.1335e+00],
[3.5048e+19, 4.8266e+02, 4.6046e+00, 5.8858e+00],
...,
[1.7357e+19, 2.9984e+02, 2.1317e+00, 7.4713e+00],
[3.7913e+18, 4.5533e+02, 1.3581e+01, 7.4960e+00],
[1.3246e+20, 5.7184e+01, 1.7394e+01, 7.2611e+00]], dtype=torch.float64)
Target: tensor([[5.4808e+01, 4.7228e-01, 1.1275e+00],
[9.1166e+01, 1.3669e+00, 3.3523e+00],
[2.8621e+01, 5.8447e-02, 7.5930e-01],
[6.2431e+01, 4.8521e-01, 2.2090e+00],
[8.8815e+01, 1.0117e+00, 2.7435e+00],
[5.9379e-01, 7.8980e-05, 5.5228e-02],
[3.2113e+01, 5.2994e-02, 1.0489e+00],
[2.7769e+01, 4.3256e-02, 1.4782e+00],
[1.4948e+01, 5.2090e-02, 5.9577e-01],
[1.1003e-01, 1.1049e-06, 1.2709e-02],
[2.7914e+01, 6.6888e-02, 1.0407e+00],
[3.1822e+01, 3.3608e-01, 1.8655e+00],
[1.3156e-01, 8.6809e-06, 1.7118e-02],
[1.6197e+02, 1.0714e-01, 3.8089e+00],
[6.2780e+01, 2.0305e-01, 2.2548e+00],
[1.7969e+01, 1.0391e-01, 9.7219e-01],
[3.7449e+01, 2.4834e-01, 1.2895e+00],
[3.2287e-01, 8.8016e-05, 4.2193e-02],
[2.8280e-01, 1.2015e-05, 3.6323e-02],
[1.7704e+00, 1.1852e-03, 2.2059e-01],
[2.4604e+00, 5.0255e-04, 1.2180e-01],
[1.5457e+00, 6.6892e-04, 1.3273e-01],
[1.4942e+01, 1.6688e-02, 5.0420e-01],
[2.4411e-02, 1.2456e-07, 3.6124e-03],
[1.7309e+02, 4.7323e+00, 3.9600e+00],
[6.3929e-01, 2.2862e-05, 6.8016e-02],
[5.0644e-01, 5.7981e-05, 4.5816e-02],
[1.7279e+00, 2.6927e-04, 1.1144e-01],

```

[7.4238e+01, 6.4064e-01, 2.8453e+00],  
[2.9155e+01, 3.9626e-02, 1.1357e+00],  
[2.0286e+00, 1.1543e-03, 1.2851e-01],  
[1.2715e+02, 3.2498e+00, 3.4747e+00],  
[4.5794e-02, 5.6723e-07, 6.7180e-03],  
[4.9942e-01, 6.1436e-05, 5.0592e-02],  
[1.8155e+02, 1.6336e+00, 3.4118e+00],  
[5.6061e+01, 1.7906e-01, 2.3136e+00],  
[2.9892e+00, 4.3790e-03, 1.9541e-01],  
[4.6427e+01, 2.6057e-01, 1.0355e+00],  
[4.0976e-01, 1.2383e-04, 5.1206e-02],  
[1.6305e-02, 2.3616e-07, 2.5670e-03],  
[1.5791e+01, 3.8184e-02, 8.0726e-01],  
[8.7478e-01, 1.8840e-04, 1.0180e-01],  
[4.3624e+01, 6.2110e-01, 2.2798e+00],  
[9.1773e-01, 9.5415e-05, 6.8752e-02],  
[1.5657e+00, 2.2791e-03, 1.7305e-01],  
[1.6935e-02, 8.8268e-08, 2.5619e-03],  
[2.6565e-01, 1.2647e-05, 3.0898e-02],  
[6.8742e+00, 5.5186e-04, 3.9358e-01],  
[8.7241e+00, 2.2103e-02, 5.4968e-01],  
[1.9862e+02, 8.3485e+00, 4.2649e+00],  
[7.9330e-02, 2.3375e-07, 1.1292e-02],  
[1.0456e+02, 1.6253e+00, 2.5169e+00],  
[1.0461e+01, 2.2570e-03, 6.3934e-01],  
[1.6635e+01, 7.6482e-02, 8.4224e-01],  
[1.8590e+02, 3.8331e+00, 3.8801e+00],  
[1.9266e+02, 1.7160e+00, 4.0137e+00],  
[8.1163e-01, 1.3689e-04, 5.3847e-02],  
[1.3949e+00, 8.9439e-05, 1.4308e-01],  
[1.1259e+02, 1.5304e+00, 4.3136e+00],  
[1.8758e+02, 3.9981e+00, 4.0041e+00],  
[7.6648e+00, 9.3103e-03, 3.8062e-01],  
[3.7590e+01, 6.0099e-02, 9.5463e-01],  
[9.5478e-01, 3.3992e-04, 1.0261e-01],  
[3.8947e+01, 5.4635e-01, 1.3714e+00],  
[4.7483e+01, 6.5593e-01, 2.6599e+00],  
[1.1700e-01, 1.0973e-05, 1.6635e-02],  
[7.9467e+01, 1.0733e+00, 3.5776e+00],  
[8.5560e+01, 1.5491e+00, 2.9200e+00],  
[3.0516e-01, 7.8389e-06, 3.5201e-02],  
[3.2183e+00, 1.2632e-03, 1.8050e-01],  
[9.2964e-01, 1.4009e-04, 7.4615e-02],  
[1.5445e+02, 4.5137e+00, 4.3022e+00],  
[2.4038e-01, 1.4402e-05, 2.2141e-02],  
[6.0807e+00, 1.8505e-03, 2.9785e-01],  
[8.7695e+01, 1.1457e+00, 2.0880e+00],  
[1.2289e-01, 9.2520e-06, 1.6887e-02],

[3.5647e+00, 9.6353e-04, 2.8667e-01],  
 [1.9977e-01, 3.5311e-05, 2.4913e-02],  
 [1.9471e+00, 8.6699e-05, 1.3727e-01],  
 [1.8368e+02, 8.0755e+00, 4.4880e+00],  
 [5.5842e+01, 2.3703e-01, 2.0521e+00],  
 [4.4372e-01, 5.1801e-05, 3.4869e-02],  
 [2.9999e+01, 2.2615e-01, 1.0052e+00],  
 [2.0849e+01, 1.0839e-01, 1.8331e+00],  
 [3.7332e+01, 1.5461e-01, 1.1782e+00],  
 [3.4499e+00, 4.3159e-03, 2.1807e-01],  
 [3.3045e-02, 2.6373e-07, 5.2969e-03],  
 [4.3807e+01, 8.9432e-02, 9.7989e-01],  
 [3.7928e+00, 3.6841e-03, 2.2559e-01],  
 [8.2009e-01, 2.1029e-05, 7.5960e-02],  
 [3.2098e+01, 9.2437e-02, 1.4023e+00],  
 [6.1321e-01, 1.8641e-04, 6.4647e-02],  
 [5.4443e-03, 1.4857e-08, 8.7483e-04],  
 [5.6378e-01, 1.1820e-04, 5.6201e-02],  
 [6.3019e-01, 2.3099e-04, 6.9687e-02],  
 [3.0623e+01, 2.3503e-01, 1.4037e+00],  
 [6.1272e+01, 3.0367e-01, 1.9554e+00],  
 [4.3960e-01, 5.5430e-05, 3.7433e-02],  
 [2.5172e+00, 3.5988e-04, 1.3554e-01],  
 [4.1499e+01, 3.8919e-01, 2.7643e+00],  
 [3.7473e-03, 5.0289e-09, 5.8443e-04],  
 [1.3801e+02, 1.2026e-01, 3.5896e+00],  
 [6.6960e-02, 2.3366e-06, 9.3870e-03],  
 [4.0787e+01, 1.4388e-01, 1.2818e+00],  
 [1.3062e+02, 1.0416e+00, 3.1020e+00],  
 [1.8248e+02, 4.5854e-01, 4.4421e+00],  
 [1.7227e-02, 7.2409e-08, 2.5073e-03],  
 [5.9211e-01, 3.9120e-05, 6.8637e-02],  
 [7.5791e+00, 8.8255e-03, 2.9995e-01],  
 [2.2403e+01, 3.6819e-02, 7.6821e-01],  
 [7.0498e-01, 5.4634e-05, 5.4473e-02],  
 [2.9332e-01, 2.7650e-06, 2.6809e-02],  
 [6.7669e-02, 1.0139e-06, 9.9241e-03],  
 [1.3386e-03, 1.9710e-09, 2.1598e-04],  
 [1.6777e+01, 2.7088e-02, 1.5957e+00],  
 [6.4533e-02, 3.2000e-07, 8.3612e-03],  
 [6.3390e-02, 8.7999e-07, 8.5813e-03],  
 [1.0547e+02, 1.2758e+00, 2.2211e+00],  
 [1.5522e+01, 1.5378e-03, 5.6361e-01],  
 [6.8422e-01, 1.4374e-04, 7.9877e-02],  
 [9.8460e+00, 1.1655e-02, 6.0180e-01],  
 [1.1255e+02, 1.0575e+00, 2.3445e+00],  
 [8.7461e+01, 1.5754e+00, 2.6715e+00],  
 [3.2733e+00, 1.6875e-03, 1.7286e-01],

[5.1415e-02, 2.2198e-06, 6.7113e-03],  
 [6.1594e-01, 7.9893e-05, 7.1781e-02],  
 [1.4140e+00, 5.9112e-05, 1.6641e-01],  
 [1.7797e+01, 7.7443e-02, 7.3310e-01],  
 [5.2329e+01, 3.9154e-02, 3.2907e+00],  
 [6.9681e-01, 5.8601e-05, 6.9258e-02],  
 [1.5633e+02, 3.5033e-01, 3.9646e+00],  
 [1.1563e-02, 1.2242e-08, 1.7702e-03],  
 [9.9204e-01, 3.7810e-05, 7.7142e-02],  
 [4.2027e+00, 9.2345e-03, 3.8725e-01],  
 [8.6779e+00, 1.3304e-02, 7.1443e-01],  
 [6.8878e+01, 1.3101e+00, 2.1119e+00],  
 [2.6833e+02, 4.9621e+00, 4.0860e+00],  
 [3.6513e+00, 1.9457e-03, 1.9547e-01],  
 [1.1210e+02, 7.2059e-02, 2.6965e+00],  
 [8.2996e+00, 2.9477e-02, 7.2443e-01],  
 [2.1782e+00, 7.4041e-04, 1.9214e-01],  
 [1.4493e+02, 1.5777e+00, 3.4455e+00],  
 [2.7887e+00, 1.6872e-03, 1.7935e-01],  
 [4.4495e+01, 5.7188e-01, 1.2089e+00],  
 [2.1253e-01, 1.8115e-05, 2.1123e-02],  
 [2.5224e+01, 8.7218e-02, 1.2666e+00],  
 [2.4781e-01, 1.9951e-05, 2.3978e-02],  
 [5.8213e+01, 2.9042e-01, 3.1219e+00],  
 [4.5832e+01, 3.6046e-01, 1.0120e+00],  
 [7.4797e+00, 1.2812e-03, 4.4975e-01],  
 [2.1069e-01, 4.8485e-06, 2.6889e-02],  
 [2.9609e+00, 5.1322e-05, 1.3972e-01],  
 [4.1805e+01, 7.9361e-02, 9.2049e-01],  
 [7.0420e+00, 1.0013e-02, 8.2156e-01],  
 [8.7300e+00, 1.3509e-02, 7.7240e-01],  
 [1.9245e+00, 3.0039e-04, 1.1733e-01],  
 [5.1677e+01, 4.1359e-01, 2.6432e+00],  
 [1.3543e+02, 4.9668e-01, 3.1853e+00],  
 [4.1816e+00, 5.6055e-03, 3.8001e-01],  
 [9.7112e+01, 1.5397e+00, 2.7227e+00],  
 [1.0052e+02, 1.8081e+00, 3.3420e+00],  
 [8.8096e-01, 2.5814e-04, 8.9435e-02],  
 [6.4386e+01, 5.3884e-02, 2.6444e+00],  
 [3.7979e+01, 1.5820e-01, 8.9009e-01],  
 [1.3212e-01, 3.4214e-06, 1.4911e-02],  
 [1.1758e-01, 6.5690e-06, 1.5190e-02],  
 [1.7800e-01, 9.4284e-06, 1.9959e-02],  
 [2.1955e-01, 3.3896e-05, 2.7074e-02],  
 [1.9393e+01, 8.3746e-02, 6.6989e-01],  
 [4.2942e-02, 5.4434e-07, 5.7307e-03],  
 [8.6897e-01, 3.4181e-04, 9.1446e-02],  
 [4.6491e+01, 4.5069e-01, 1.8076e+00],

[3.4759e+01, 8.9272e-03, 1.1629e+00],  
 [9.1015e-01, 1.3668e-04, 6.2618e-02],  
 [2.8269e+01, 6.9555e-02, 1.5604e+00],  
 [1.8225e+02, 9.3392e+00, 4.3564e+00],  
 [3.8744e+01, 1.3190e-01, 1.5801e+00],  
 [5.1780e+00, 1.0749e-03, 2.6676e-01],  
 [2.0973e+00, 1.6743e-03, 2.0628e-01],  
 [4.7894e+00, 1.5294e-02, 3.8342e-01],  
 [3.3287e+01, 1.5441e-01, 1.7689e+00],  
 [1.6761e+00, 9.1165e-04, 1.6681e-01],  
 [3.0576e-02, 4.2167e-07, 4.2366e-03],  
 [1.5436e+02, 3.8403e+00, 3.2953e+00],  
 [1.9063e+00, 1.0090e-03, 2.1416e-01],  
 [5.4445e-01, 2.0925e-05, 6.5518e-02],  
 [1.9255e+01, 9.6959e-02, 7.5788e-01],  
 [7.5265e+01, 3.5782e-02, 1.5413e+00],  
 [3.2409e+00, 3.2858e-03, 2.5561e-01],  
 [9.8930e-02, 1.1638e-05, 1.2334e-02],  
 [4.9699e+00, 1.8372e-03, 4.6151e-01],  
 [2.4310e+00, 7.0779e-04, 1.9288e-01],  
 [1.4958e+01, 6.9084e-02, 7.7206e-01],  
 [2.5139e+00, 1.3738e-03, 1.7235e-01],  
 [1.2093e-01, 5.3791e-06, 1.4019e-02],  
 [3.4771e+00, 9.8673e-04, 3.1852e-01],  
 [1.4799e+01, 3.8502e-02, 5.9308e-01],  
 [8.0473e+00, 4.7409e-03, 6.1482e-01],  
 [1.6342e+02, 3.0626e+00, 3.8817e+00],  
 [6.4036e-01, 2.5352e-05, 4.5907e-02],  
 [3.7233e+01, 4.6309e-02, 1.9949e+00],  
 [3.3222e+01, 1.3628e-01, 1.7964e+00],  
 [1.2439e+01, 2.5108e-02, 6.0762e-01],  
 [2.8311e+00, 1.0950e-03, 1.8033e-01],  
 [3.9893e-01, 6.8985e-05, 3.6322e-02],  
 [1.1830e+02, 9.3311e-01, 2.0628e+00],  
 [5.1305e+01, 1.7589e-01, 1.1945e+00],  
 [6.1905e-01, 1.7829e-05, 6.3345e-02],  
 [2.4085e-01, 5.8271e-05, 2.9551e-02],  
 [6.0614e+00, 3.1749e-03, 5.8061e-01],  
 [1.8816e+02, 3.8846e+00, 4.0573e+00],  
 [1.6683e+02, 2.0896e+00, 3.2000e+00],  
 [1.7946e-01, 9.9281e-06, 2.5054e-02],  
 [1.5205e-02, 5.2144e-08, 2.2283e-03],  
 [9.0844e+01, 8.8211e-01, 2.1904e+00],  
 [4.8535e+01, 4.7649e-01, 2.4849e+00],  
 [9.3585e-01, 1.0640e-05, 6.7406e-02],  
 [9.8097e+01, 2.0482e+00, 2.0929e+00],  
 [8.0081e+00, 1.1549e-02, 3.5911e-01],  
 [2.9905e+01, 1.4627e-01, 1.5139e+00],

[5.3064e-01, 9.6076e-05, 6.4860e-02],  
 [1.3894e+02, 1.9778e+00, 3.9756e+00],  
 [1.7897e+02, 3.8188e+00, 4.3958e+00],  
 [5.9265e+00, 1.5490e-02, 5.8512e-01],  
 [1.6640e+02, 2.5110e+00, 3.9486e+00],  
 [6.8097e-01, 1.0462e-04, 9.0981e-02],  
 [1.0691e+01, 3.1932e-03, 3.7462e-01],  
 [2.1224e+02, 1.7781e+00, 3.9409e+00],  
 [7.3314e-04, 4.3027e-11, 1.1936e-04],  
 [9.6446e-01, 1.7223e-04, 9.5945e-02],  
 [1.8307e-02, 2.2372e-07, 2.7012e-03],  
 [1.7426e+01, 1.1435e-01, 1.0990e+00],  
 [2.6509e-01, 2.0475e-05, 2.7173e-02],  
 [6.4767e+01, 2.3616e-01, 1.8235e+00],  
 [1.3865e-01, 4.0188e-06, 1.6146e-02],  
 [5.0633e+01, 7.1611e-02, 2.3310e+00],  
 [1.6012e+00, 2.0455e-03, 1.7023e-01],  
 [1.2147e+02, 1.3191e+00, 4.0135e+00],  
 [3.3448e+01, 4.0419e-01, 1.8916e+00],  
 [2.8514e+01, 1.3200e-01, 1.1150e+00],  
 [1.5102e+02, 4.8836e+00, 4.0444e+00],  
 [4.3569e+00, 4.5434e-04, 3.1495e-01],  
 [2.8180e+01, 8.6113e-02, 1.0014e+00],  
 [5.6715e+01, 1.0882e+00, 2.0220e+00],  
 [9.6151e+00, 3.9603e-03, 3.5561e-01],  
 [5.2296e-01, 1.7184e-05, 3.6326e-02],  
 [1.8372e-01, 2.3095e-05, 2.0653e-02],  
 [4.0399e-02, 1.4146e-06, 6.2510e-03],  
 [1.3615e+02, 3.2134e+00, 4.4456e+00],  
 [6.1890e+00, 5.7459e-03, 4.2238e-01],  
 [7.9413e-01, 3.8438e-05, 6.1625e-02],  
 [1.7429e-01, 1.6176e-05, 1.8177e-02],  
 [1.6722e+00, 3.1330e-04, 1.5873e-01],  
 [4.6199e+00, 6.3022e-03, 2.3896e-01],  
 [5.2214e-03, 7.3787e-09, 8.3687e-04],  
 [6.1137e+00, 3.7289e-03, 5.8065e-01],  
 [2.8602e+01, 2.0019e-01, 1.1372e+00],  
 [5.7989e+00, 5.6730e-04, 3.1643e-01],  
 [2.3367e+02, 3.6650e+00, 4.9915e+00],  
 [3.4775e-01, 4.2392e-05, 4.1042e-02],  
 [1.4037e+01, 9.6977e-03, 6.1397e-01],  
 [1.8709e-01, 8.5513e-06, 2.0066e-02],  
 [7.8410e-01, 2.8806e-04, 7.6589e-02],  
 [1.7211e+01, 3.0727e-02, 6.1468e-01],  
 [6.0964e+01, 8.8675e-01, 2.8156e+00],  
 [5.9686e-01, 1.3095e-04, 6.0555e-02],  
 [9.8572e+00, 6.6620e-03, 5.3658e-01],  
 [2.4712e-02, 6.9987e-07, 3.7278e-03],



[4.3216e-01, 3.2793e-05, 4.8678e-02],  
[4.0214e-02, 7.4348e-07, 5.8747e-03],  
[1.8188e+02, 1.5424e+00, 4.6068e+00],  
[2.0014e+01, 5.3463e-02, 6.4759e-01],  
[1.2933e+02, 6.4582e-01, 2.3661e+00],  
[1.4216e+01, 1.5588e-02, 5.4909e-01],  
[9.2303e+01, 4.3088e-01, 3.9862e+00],  
[1.9808e+00, 5.8226e-04, 1.2080e-01],  
[9.0815e+00, 5.7962e-02, 6.9753e-01],  
[1.2014e+02, 2.2278e-01, 4.4558e+00],  
[3.7087e+00, 5.1292e-03, 2.7613e-01],  
[3.0989e+01, 1.5122e-01, 1.1353e+00],  
[2.6737e+00, 1.0901e-03, 1.5327e-01],  
[1.3573e+01, 1.0272e-02, 5.0127e-01],  
[3.6023e+00, 5.5874e-03, 3.1482e-01],  
[8.8429e-02, 3.9924e-06, 1.1257e-02],  
[1.5957e+02, 8.3947e-01, 3.8319e+00],  
[1.5739e+01, 1.9654e-01, 1.4216e+00],  
[1.3968e-02, 1.1197e-07, 2.1207e-03],  
[1.5658e-03, 2.9010e-10, 2.5111e-04],  
[2.8039e+01, 5.4743e-02, 8.8430e-01],  
[4.9746e-01, 3.2315e-05, 4.9908e-02],  
[4.5657e+00, 6.0772e-03, 3.0710e-01],  
[1.0153e+02, 9.2117e-02, 2.1110e+00],  
[2.2542e+01, 1.2284e-02, 9.7278e-01],  
[7.9754e+00, 1.1379e-02, 4.3703e-01],  
[8.6382e+01, 1.3334e+00, 2.0375e+00],  
[1.6643e+02, 1.6495e+00, 4.0991e+00],  
[3.2585e+01, 3.6524e-01, 2.4970e+00],  
[2.6790e-01, 1.2572e-05, 3.1097e-02],  
[8.9973e-01, 2.7265e-04, 7.1416e-02],  
[8.0593e-01, 3.1667e-04, 9.2091e-02],  
[8.1719e-02, 4.5960e-06, 1.1183e-02],  
[6.1169e+01, 4.1068e-02, 2.0764e+00],  
[7.7962e-01, 1.6403e-04, 6.1850e-02],  
[1.6096e-01, 1.2324e-05, 1.9506e-02],  
[2.6947e+01, 7.2572e-02, 1.3606e+00],  
[5.1824e-01, 1.0460e-05, 3.5607e-02],  
[3.0316e+01, 3.2212e-01, 2.0969e+00],  
[2.3590e+01, 3.8884e-02, 8.6075e-01],  
[7.6552e-03, 2.3653e-08, 1.1858e-03],  
[1.3492e+02, 1.5062e+00, 2.6961e+00],  
[1.6255e+01, 3.4537e-02, 9.8681e-01],  
[1.6026e+00, 6.8973e-05, 1.0929e-01],  
[2.0872e+01, 5.4371e-02, 9.1744e-01],  
[1.3571e+00, 1.1462e-03, 1.3194e-01],  
[1.8967e+01, 8.6644e-02, 8.0341e-01],  
[5.9590e+00, 2.1692e-02, 5.0753e-01],

```

[2.2578e+01, 1.2204e-02, 1.2630e+00],
[1.2162e+01, 1.2677e-02, 4.4832e-01],
[1.2970e+00, 4.7666e-04, 9.4583e-02],
[5.2625e+00, 2.2503e-02, 5.3683e-01]], dtype=torch.float64)
Iteration: 81
Inputs: tensor([[4.4660e+18, 2.7911e+02, 8.6202e+00, 1.5076e+00],
[1.6338e+20, 6.6018e+01, 3.4856e+00, 6.5752e+00],
[7.2903e+19, 3.7353e+02, 1.3736e+01, 1.3852e+00],
...,
[6.9377e+18, 4.8162e+02, 8.3595e+00, 2.8858e+00],
[6.2865e+20, 1.5400e+02, 1.6110e+01, 5.3224e+00],
[2.1780e+19, 1.2188e+02, 8.5433e+00, 4.9546e+00]], dtype=torch.float64)
Target: tensor([[1.9597e-01, 2.6207e-06, 2.4847e-02],
[2.2052e+01, 7.2270e-02, 1.3345e+00],
[8.9431e+00, 4.9623e-03, 6.7322e-01],
[2.3004e+00, 8.3527e-04, 1.9979e-01],
[9.2975e-01, 2.0657e-04, 9.7401e-02],
[1.1652e+02, 3.7743e-01, 2.5721e+00],
[1.0232e+00, 1.9383e-04, 1.1715e-01],
[1.1304e+00, 2.5806e-05, 9.7670e-02],
[3.3347e-01, 1.3793e-05, 4.7813e-02],
[1.0827e+02, 1.7656e+00, 4.1274e+00],
[2.5098e+01, 2.1236e-02, 1.1373e+00],
[1.0746e+00, 3.9405e-04, 8.7613e-02],
[2.8816e-01, 1.1059e-05, 2.4457e-02],
[6.4030e+01, 2.1451e-01, 1.2006e+00],
[1.8883e+01, 3.1611e-02, 6.4104e-01],
[8.3165e+00, 1.2822e-02, 4.3444e-01],
[2.2097e-01, 6.9846e-06, 2.9789e-02],
[1.8692e+02, 1.5617e+00, 3.7561e+00],
[8.9342e-01, 2.9009e-04, 7.1710e-02],
[4.3066e+00, 1.2805e-02, 3.6298e-01],
[1.1834e+01, 1.3065e-02, 5.7827e-01],
[4.1964e-03, 7.6483e-09, 6.6777e-04],
[5.7254e+01, 9.6256e-01, 2.1085e+00],
[2.9680e+01, 5.8896e-02, 1.1764e+00],
[2.7197e+00, 2.6679e-03, 2.4861e-01],
[6.1640e+01, 1.3653e-01, 1.6855e+00],
[1.0549e+00, 4.8228e-04, 1.0422e-01],
[3.5201e-02, 1.1460e-06, 5.3206e-03],
[1.1016e-02, 1.9788e-08, 1.7201e-03],
[1.1303e+01, 1.1438e-02, 5.4326e-01],
[3.1409e+01, 3.6028e-01, 1.6416e+00],
[1.0859e+01, 1.1543e-02, 9.2739e-01],
[3.4280e+01, 7.9937e-02, 1.3464e+00],
[4.0904e+00, 1.1279e-03, 2.1908e-01],
[8.3979e-02, 3.5848e-06, 1.1502e-02],
[9.5164e-01, 3.6911e-04, 9.1404e-02],

```

[1.7487e-01, 3.2875e-06, 1.8466e-02],  
 [4.7964e+01, 7.5145e-01, 1.5684e+00],  
 [1.6083e+01, 7.9942e-02, 7.0756e-01],  
 [8.8477e+00, 5.6631e-03, 4.3307e-01],  
 [1.1934e+01, 4.5948e-02, 9.4872e-01],  
 [1.4089e+01, 1.2543e-01, 1.0006e+00],  
 [9.4462e+01, 4.0265e-01, 1.8086e+00],  
 [2.1598e+01, 1.2864e-01, 1.3121e+00],  
 [1.8115e+02, 8.1667e-01, 4.4802e+00],  
 [5.7255e-01, 6.5643e-05, 6.6160e-02],  
 [3.6882e-01, 1.1455e-05, 3.6017e-02],  
 [2.2892e+00, 1.3240e-03, 1.9678e-01],  
 [3.9711e-04, 4.1059e-11, 6.4912e-05],  
 [2.3555e+02, 3.3044e-01, 4.2090e+00],  
 [6.6658e-01, 1.5524e-05, 6.6741e-02],  
 [4.3547e+01, 2.4844e-02, 1.3653e+00],  
 [1.2980e+01, 5.2847e-02, 1.2916e+00],  
 [2.2222e+00, 7.9650e-04, 2.7811e-01],  
 [2.9758e+00, 7.8161e-04, 2.3244e-01],  
 [1.2585e+01, 4.2886e-02, 5.6117e-01],  
 [4.5369e+01, 1.4178e-01, 1.4622e+00],  
 [2.6813e-01, 1.6702e-05, 3.1108e-02],  
 [8.8948e+00, 4.1420e-02, 6.0635e-01],  
 [7.7263e-01, 1.4009e-04, 1.0703e-01],  
 [1.3466e+01, 3.6650e-02, 5.1379e-01],  
 [1.0818e+00, 1.0590e-05, 9.5255e-02],  
 [9.9197e+01, 1.7175e-01, 2.2403e+00],  
 [1.1343e+02, 1.5256e+00, 2.6953e+00],  
 [5.1835e+00, 1.1620e-03, 2.7107e-01],  
 [3.3105e+01, 2.8787e-02, 1.6271e+00],  
 [1.1015e+01, 2.8093e-02, 4.3244e-01],  
 [3.2814e+01, 1.9773e-01, 9.9437e-01],  
 [1.4131e-02, 1.4592e-07, 2.0886e-03],  
 [2.1080e+02, 5.7486e+00, 4.4945e+00],  
 [2.7201e+01, 1.8417e-01, 1.3116e+00],  
 [3.3137e+01, 1.0203e-01, 1.4346e+00],  
 [7.3688e+00, 4.3504e-03, 3.0885e-01],  
 [7.8310e-01, 9.9190e-05, 7.8935e-02],  
 [9.6054e-02, 2.1311e-06, 1.1398e-02],  
 [1.7192e+02, 3.5686e+00, 3.3943e+00],  
 [6.1976e-01, 2.3109e-05, 5.2593e-02],  
 [1.2611e+02, 3.4338e+00, 3.2184e+00],  
 [8.4586e+00, 3.0454e-02, 9.0383e-01],  
 [2.3061e-01, 4.8715e-05, 3.2033e-02],  
 [1.4945e+01, 3.3019e-02, 6.4878e-01],  
 [1.9855e+00, 8.3381e-04, 1.8136e-01],  
 [2.1341e-01, 3.1954e-06, 2.1276e-02],  
 [1.8095e-01, 7.1953e-06, 2.0787e-02],

[8.1946e-01, 9.9124e-05, 1.1449e-01],  
 [2.3566e+00, 3.4792e-03, 2.7174e-01],  
 [1.8317e+01, 1.2746e-01, 9.3319e-01],  
 [3.1321e-01, 5.5602e-06, 3.0107e-02],  
 [1.4386e+02, 3.6139e+00, 2.6776e+00],  
 [1.2048e-01, 2.2811e-06, 1.4929e-02],  
 [4.4489e+00, 4.3866e-03, 3.7503e-01],  
 [3.8093e+01, 2.5807e-01, 2.6060e+00],  
 [3.4303e+01, 1.1940e-01, 1.8178e+00],  
 [3.8208e+01, 1.2582e-01, 2.1671e+00],  
 [6.8973e-02, 5.6611e-07, 1.0014e-02],  
 [9.3385e+01, 5.5281e-01, 3.0367e+00],  
 [4.6292e-02, 4.5323e-07, 7.2217e-03],  
 [9.6655e+01, 1.4290e+00, 2.2307e+00],  
 [1.6732e+01, 5.3528e-02, 1.3484e+00],  
 [9.0317e-04, 1.2504e-09, 1.4625e-04],  
 [2.1237e-01, 1.9448e-06, 2.6128e-02],  
 [1.7121e+01, 3.9924e-02, 8.9261e-01],  
 [2.1535e-01, 1.4288e-05, 3.0216e-02],  
 [9.0346e+00, 3.1366e-03, 6.6089e-01],  
 [1.6208e+01, 6.8283e-03, 7.4234e-01],  
 [2.2708e+00, 1.7779e-03, 2.9841e-01],  
 [2.1332e+00, 1.1341e-04, 1.5903e-01],  
 [9.7664e+00, 5.0782e-02, 7.8298e-01],  
 [6.3158e-01, 1.4088e-05, 5.0637e-02],  
 [2.3504e-01, 6.3218e-05, 3.0037e-02],  
 [7.2438e-02, 1.5707e-06, 1.0086e-02],  
 [2.2994e+00, 2.1193e-03, 2.3929e-01],  
 [2.2754e+01, 5.4086e-02, 1.5074e+00],  
 [9.9166e-01, 9.4623e-05, 9.3429e-02],  
 [6.9349e-02, 5.5135e-06, 1.0252e-02],  
 [2.3506e+01, 1.0340e-01, 9.2065e-01],  
 [5.6127e+01, 3.4730e-01, 1.8670e+00],  
 [2.8112e-01, 3.9851e-05, 3.3216e-02],  
 [2.2884e+00, 2.9587e-03, 2.2257e-01],  
 [9.5977e+00, 2.9451e-03, 4.3741e-01],  
 [2.4043e+01, 9.4666e-02, 1.2797e+00],  
 [4.7148e+01, 2.1308e-02, 1.2271e+00],  
 [6.8386e+00, 5.6105e-02, 7.9401e-01],  
 [1.5255e+02, 1.4144e+00, 3.9599e+00],  
 [2.8342e-01, 4.9985e-06, 3.7762e-02],  
 [1.8490e+00, 1.6175e-04, 1.1825e-01],  
 [3.5326e-01, 3.4759e-06, 3.7522e-02],  
 [7.0705e+01, 1.2883e+00, 2.2661e+00],  
 [9.5478e+01, 1.3312e+00, 2.4522e+00],  
 [2.1253e+02, 1.1451e+00, 4.1006e+00],  
 [4.0097e+01, 1.8526e-01, 1.0677e+00],  
 [5.1678e+00, 1.9622e-03, 4.2256e-01],

[9.0263e+01, 1.1448e+00, 3.1058e+00],  
 [1.3953e-02, 2.2747e-07, 2.1078e-03],  
 [2.2696e+00, 2.1145e-03, 2.0410e-01],  
 [2.0071e+01, 6.4062e-02, 1.0900e+00],  
 [2.1438e+01, 1.2290e-01, 6.9735e-01],  
 [1.7392e-01, 1.5543e-05, 1.7822e-02],  
 [2.0420e+01, 4.3492e-02, 6.7150e-01],  
 [2.1805e+01, 3.8426e-02, 6.3734e-01],  
 [1.1613e+02, 1.9500e+00, 3.0556e+00],  
 [1.2856e+02, 1.9378e+00, 2.9660e+00],  
 [8.0422e+00, 1.1861e-03, 4.1162e-01],  
 [7.8848e+01, 1.7559e+00, 2.9976e+00],  
 [2.4535e+02, 1.5414e+00, 4.8786e+00],  
 [4.4508e-01, 1.2906e-05, 3.8088e-02],  
 [6.0146e+01, 1.1386e+00, 3.2649e+00],  
 [3.8453e-01, 2.9121e-05, 4.7066e-02],  
 [4.5391e+00, 9.2777e-03, 3.4754e-01],  
 [2.7515e+01, 7.4151e-02, 1.1135e+00],  
 [1.5553e+02, 1.2181e-01, 3.5115e+00],  
 [8.7839e+01, 5.1519e-01, 2.5305e+00],  
 [1.2540e-01, 4.9148e-06, 1.7262e-02],  
 [9.7383e+01, 9.0403e-01, 3.8102e+00],  
 [2.7734e-01, 2.9459e-05, 3.0230e-02],  
 [2.3769e+02, 8.9301e+00, 3.8128e+00],  
 [1.2976e+00, 3.2553e-04, 1.7128e-01],  
 [7.1831e-01, 6.2102e-05, 9.5829e-02],  
 [3.5749e+01, 2.9776e-01, 1.6183e+00],  
 [3.4189e+01, 1.7393e-01, 1.0072e+00],  
 [1.0544e+00, 3.1158e-04, 8.3259e-02],  
 [2.1661e+01, 1.0892e-01, 8.3386e-01],  
 [6.6183e+00, 1.6799e-02, 6.4931e-01],  
 [1.7926e+01, 3.8634e-02, 1.4949e+00],  
 [2.1983e+01, 2.6690e-02, 1.3509e+00],  
 [1.1760e+01, 2.0912e-02, 9.4217e-01],  
 [8.1325e+01, 1.6147e+00, 2.6516e+00],  
 [1.0843e+02, 2.1092e+00, 3.3381e+00],  
 [5.6610e-02, 4.0829e-06, 7.6537e-03],  
 [1.8929e-01, 8.2555e-06, 1.9317e-02],  
 [3.3839e+01, 2.9301e-01, 1.2999e+00],  
 [2.4951e+01, 1.1781e-01, 7.3592e-01],  
 [3.8708e+01, 7.7843e-02, 1.8289e+00],  
 [9.2794e+00, 5.3219e-03, 5.3783e-01],  
 [1.5152e+01, 4.8935e-02, 7.2231e-01],  
 [1.2948e+00, 1.8011e-04, 7.4825e-02],  
 [1.0329e-01, 9.4125e-06, 1.4319e-02],  
 [1.6953e-02, 1.2128e-07, 2.4765e-03],  
 [2.2379e+01, 1.0590e-01, 1.0081e+00],  
 [5.3560e-03, 8.2169e-09, 8.4820e-04],

[3.6508e+01, 2.7070e-01, 1.9658e+00],  
 [1.8404e+02, 8.6320e+00, 4.7754e+00],  
 [2.1869e+00, 1.6756e-04, 1.6392e-01],  
 [3.6239e-03, 4.5169e-09, 5.8391e-04],  
 [3.0997e+00, 3.7500e-03, 2.7724e-01],  
 [1.3480e+01, 4.4856e-02, 6.0259e-01],  
 [2.7940e+01, 3.5182e-01, 1.3878e+00],  
 [7.6888e-01, 2.0934e-04, 6.1639e-02],  
 [3.8961e+00, 6.0505e-03, 3.1294e-01],  
 [8.0332e+01, 6.2697e-01, 2.4722e+00],  
 [8.4030e+00, 1.9081e-03, 4.5082e-01],  
 [3.8741e-01, 7.2485e-05, 4.7040e-02],  
 [7.1180e-02, 3.1844e-06, 9.8505e-03],  
 [3.4190e-01, 4.5789e-05, 3.4373e-02],  
 [1.0018e-01, 3.4448e-06, 1.4548e-02],  
 [4.9511e-01, 1.9860e-04, 6.2648e-02],  
 [3.2912e-01, 3.5012e-06, 3.4902e-02],  
 [3.2503e+01, 1.6122e-01, 9.8269e-01],  
 [1.4042e+00, 8.1918e-04, 1.4245e-01],  
 [1.1353e-01, 1.2913e-06, 1.5441e-02],  
 [7.4819e+01, 3.2948e-01, 2.6738e+00],  
 [2.2390e-01, 7.5056e-06, 3.0362e-02],  
 [1.1075e+00, 1.0602e-04, 7.4853e-02],  
 [9.0997e-02, 5.8330e-06, 1.1442e-02],  
 [1.6680e+01, 2.0253e-02, 5.6722e-01],  
 [6.2245e+01, 4.4772e-01, 2.0595e+00],  
 [9.9145e-01, 1.5910e-04, 1.0134e-01],  
 [7.2916e-01, 3.4451e-04, 7.3026e-02],  
 [8.8762e+00, 9.2348e-03, 4.4389e-01],  
 [2.4528e+01, 6.1742e-03, 7.8862e-01],  
 [2.9260e-01, 2.5727e-05, 2.9320e-02],  
 [9.7954e-01, 2.1965e-04, 9.1659e-02],  
 [5.6120e-01, 1.1586e-05, 4.2105e-02],  
 [3.4025e-01, 1.3332e-04, 4.5829e-02],  
 [6.8342e+01, 1.7583e+00, 3.0146e+00],  
 [1.0253e+00, 2.4902e-04, 9.3585e-02],  
 [1.1611e+00, 7.2186e-04, 1.5652e-01],  
 [6.0688e+00, 1.5692e-02, 6.0179e-01],  
 [4.8488e-03, 2.7815e-08, 7.5197e-04],  
 [5.6030e-02, 5.7842e-07, 7.2891e-03],  
 [2.4599e+00, 8.6195e-04, 1.2814e-01],  
 [6.4323e+00, 8.3855e-03, 3.7500e-01],  
 [1.5284e+00, 1.1021e-03, 1.4563e-01],  
 [7.0466e+00, 1.2525e-02, 3.6852e-01],  
 [2.2695e+00, 1.0858e-03, 1.5584e-01],  
 [1.9244e-01, 2.1798e-05, 2.3489e-02],  
 [3.7025e+01, 2.6537e-01, 1.8710e+00],  
 [2.0893e-01, 3.8052e-05, 2.1729e-02],

[1.5926e+01, 1.8688e-02, 1.1148e+00],  
 [3.2067e-01, 2.4554e-05, 4.0238e-02],  
 [1.1852e+02, 1.7788e+00, 3.2553e+00],  
 [1.2590e+01, 1.5771e-02, 5.8629e-01],  
 [3.3599e+01, 1.6000e-01, 1.0242e+00],  
 [2.2936e-01, 1.3762e-05, 2.2450e-02],  
 [5.7776e-02, 5.6225e-07, 8.2896e-03],  
 [1.9285e+00, 2.9651e-03, 1.8430e-01],  
 [2.2919e+01, 2.8406e-02, 8.3274e-01],  
 [1.7296e-02, 3.6156e-08, 2.4920e-03],  
 [2.8246e+01, 2.9338e-02, 1.0511e+00],  
 [3.5960e+01, 2.5874e-01, 1.4983e+00],  
 [2.1327e+00, 1.6990e-03, 1.4864e-01],  
 [1.7750e-02, 6.6780e-08, 2.5798e-03],  
 [2.9083e-01, 2.1923e-05, 3.6192e-02],  
 [4.0957e+00, 2.0103e-03, 2.8522e-01],  
 [1.2624e+02, 1.1010e+00, 3.8254e+00],  
 [2.6649e+01, 1.5378e-01, 1.5901e+00],  
 [4.2464e+01, 5.5706e-01, 1.2702e+00],  
 [2.8395e-01, 2.2445e-05, 2.7622e-02],  
 [1.1894e-01, 2.4240e-07, 1.4264e-02],  
 [1.9274e+00, 1.2646e-04, 1.9535e-01],  
 [2.6397e+02, 2.6498e+00, 4.9674e+00],  
 [1.8146e+02, 4.7724e-01, 3.3563e+00],  
 [8.7982e+01, 9.2007e-01, 2.9081e+00],  
 [1.0797e+00, 3.2821e-04, 7.8917e-02],  
 [6.9139e+01, 5.4726e-01, 3.2495e+00],  
 [1.2840e+02, 1.1646e+00, 2.5450e+00],  
 [8.2930e-01, 6.5372e-04, 9.6227e-02],  
 [7.7129e-01, 1.9150e-04, 7.8207e-02],  
 [1.3106e+02, 7.3934e-02, 3.0918e+00],  
 [9.2752e+01, 9.3541e-01, 1.8613e+00],  
 [1.1319e+01, 7.9285e-03, 1.1749e+00],  
 [1.1523e+02, 7.0676e-01, 4.1900e+00],  
 [7.0460e-01, 2.1038e-04, 7.9389e-02],  
 [2.7938e+02, 3.9538e+00, 5.1104e+00],  
 [1.0972e-01, 8.2216e-07, 1.5485e-02],  
 [7.7642e+01, 2.8131e-01, 2.2952e+00],  
 [6.3150e+01, 3.9267e-01, 2.6914e+00],  
 [3.0739e+01, 2.5544e-02, 1.3613e+00],  
 [2.8839e-01, 2.3932e-06, 3.2320e-02],  
 [1.2804e+02, 1.8295e+00, 3.2895e+00],  
 [6.7462e+01, 8.0071e-01, 2.6891e+00],  
 [1.7756e-01, 9.2319e-06, 1.8079e-02],  
 [4.1842e-01, 4.6296e-05, 4.6355e-02],  
 [1.3138e+02, 4.4577e+00, 4.0460e+00],  
 [6.4442e-03, 3.2053e-08, 9.9111e-04],  
 [9.1419e+00, 8.1589e-03, 7.0925e-01],

```

[5.8846e-01, 3.5927e-05, 5.9738e-02],
[1.0364e+00, 3.4698e-04, 7.4085e-02],
[4.7940e+01, 5.7638e-01, 1.8766e+00],
[4.1068e-01, 1.1249e-04, 3.7800e-02],
[4.7171e+01, 1.2866e-01, 1.0374e+00],
[6.8835e-01, 8.4547e-05, 5.3833e-02],
[8.2352e+00, 9.7275e-03, 5.4878e-01],
[1.0891e+01, 2.1836e-02, 4.2438e-01],
[1.2192e+00, 4.0282e-04, 1.1453e-01],
[2.9559e+01, 3.2983e-02, 1.8330e+00],
[1.6042e+02, 3.3480e+00, 3.9348e+00],
[2.8600e+00, 1.7804e-03, 2.0629e-01],
[7.4589e+01, 1.2553e+00, 3.5875e+00],
[5.9278e+00, 1.5138e-02, 4.4015e-01],
[9.5254e-02, 2.0777e-06, 1.2855e-02],
[7.9910e+01, 2.8416e-01, 3.0399e+00],
[1.0557e+00, 1.0911e-04, 1.2213e-01],
[1.0283e+00, 2.0390e-04, 1.4774e-01],
[7.7449e+00, 2.3225e-02, 3.8451e-01],
[9.9285e-01, 1.5489e-04, 1.1612e-01],
[3.6883e-01, 3.2095e-05, 3.0114e-02],
[4.9704e-01, 1.7538e-05, 6.1497e-02],
[2.1889e+01, 9.2715e-03, 8.7502e-01],
[1.5343e+01, 8.0558e-02, 7.7754e-01],
[7.9129e-02, 1.8460e-06, 1.0329e-02],
[5.2097e-02, 2.5520e-06, 7.4053e-03],
[7.9958e+00, 2.1160e-03, 6.4093e-01],
[2.7457e+00, 2.0136e-03, 1.9555e-01],
[4.7847e+01, 3.8073e-01, 1.0520e+00],
[1.4003e+00, 3.6190e-04, 1.4116e-01],
[4.4345e+01, 5.0378e-01, 1.8221e+00],
[5.0143e+01, 1.3246e+00, 2.7853e+00],
[4.3997e+01, 1.5777e-01, 2.8550e+00],
[8.0821e-02, 5.7545e-06, 1.2438e-02],
[1.0025e+00, 6.0147e-04, 8.4395e-02],
[5.6828e+00, 2.4925e-03, 6.1588e-01],
[2.3290e+02, 3.8007e+00, 4.6905e+00],
[5.3613e-03, 3.2919e-09, 8.3147e-04],
[2.8282e+01, 1.0946e-01, 7.1628e-01],
[4.0865e+01, 2.3274e-01, 1.6191e+00],
[2.0676e-02, 9.5376e-08, 3.1161e-03],
[2.1459e+00, 2.7641e-04, 1.5382e-01],
[5.7664e+01, 6.8277e-01, 3.0494e+00],
[2.6445e+00, 1.4740e-03, 2.3928e-01]], dtype=torch.float64)

```

Iteration: 82

```

Inputs: tensor([[2.2315e+19, 2.0883e+02, 2.4763e+00, 9.4542e+00],
               [9.7705e+19, 6.3388e+01, 5.9327e-01, 7.7405e+00],
               [7.6364e+18, 3.9873e+02, 6.9030e+00, 4.7256e+00],

```



```

...,
[5.5433e+20, 4.4271e+02, 2.6934e+00, 8.2380e+00],
[2.9095e+18, 1.7623e+02, 1.4180e+01, 1.6737e+00],
[3.4182e+18, 2.8614e+02, 2.8574e+00, 7.1029e+00]], dtype=torch.float64)
Target: tensor([[1.2033e+01, 2.2610e-02, 5.0487e-01],
[2.0027e+01, 5.4571e-02, 1.0836e+00],
[3.3157e+00, 9.2251e-04, 1.9734e-01],
[3.3293e+00, 8.8800e-03, 3.2401e-01],
[2.1820e+02, 4.8070e+00, 4.6885e+00],
[1.3102e+01, 1.3886e-01, 1.1630e+00],
[8.0657e+00, 9.0602e-03, 5.8221e-01],
[7.0792e+01, 1.9475e-01, 3.6595e+00],
[5.5052e+00, 1.5592e-03, 3.1128e-01],
[2.0634e+02, 1.0966e+01, 4.6846e+00],
[3.3330e+00, 3.0731e-03, 2.6737e-01],
[9.9647e+00, 1.5395e-02, 6.2106e-01],
[1.1915e+01, 4.2350e-02, 9.7652e-01],
[3.6943e+01, 2.5568e-01, 1.3922e+00],
[3.3243e-01, 3.1786e-05, 3.3218e-02],
[8.3504e+00, 3.6677e-02, 8.5832e-01],
[2.2074e+01, 5.5456e-03, 8.2622e-01],
[5.8900e+00, 2.5522e-03, 4.4209e-01],
[1.6095e+01, 5.5187e-02, 7.9117e-01],
[1.5426e+00, 3.0769e-04, 1.1021e-01],
[6.0360e+01, 8.6669e-01, 2.1596e+00],
[2.0242e+00, 6.5447e-04, 1.1020e-01],
[1.9803e+01, 1.6337e-02, 9.5495e-01],
[6.4627e+00, 1.9783e-02, 5.6692e-01],
[6.7201e-02, 3.8846e-06, 1.0113e-02],
[1.3040e+01, 4.1753e-02, 5.0159e-01],
[1.6349e+02, 1.9252e-01, 4.3885e+00],
[1.8174e+01, 8.2390e-02, 7.5175e-01],
[6.5801e+01, 5.4830e-01, 2.1689e+00],
[2.3495e+02, 3.7729e+00, 4.6277e+00],
[2.9824e-01, 5.6138e-06, 3.1417e-02],
[2.1813e+00, 2.9436e-03, 2.0716e-01],
[1.2803e+01, 2.9515e-02, 7.9863e-01],
[3.7355e-02, 1.0535e-06, 5.5259e-03],
[2.1983e-02, 1.9430e-08, 3.2103e-03],
[4.1820e+00, 9.9099e-03, 3.9829e-01],
[3.4543e+00, 1.5981e-03, 2.5483e-01],
[3.1371e+02, 8.5753e-01, 5.0038e+00],
[3.3206e+01, 1.2138e-01, 8.8356e-01],
[6.1687e+00, 3.1620e-03, 4.9432e-01],
[2.5853e+01, 9.2151e-02, 1.8133e+00],
[6.7856e+01, 1.6477e+00, 2.1868e+00],
[2.6194e+00, 2.0097e-03, 1.7087e-01],
[3.6491e+01, 2.8447e-01, 1.6807e+00],

```

[5.0702e+00, 2.6804e-03, 5.0554e-01],  
 [3.9486e-01, 1.2128e-04, 5.4445e-02],  
 [7.8677e+00, 2.1458e-02, 6.9634e-01],  
 [4.2842e-01, 8.1053e-05, 4.0716e-02],  
 [3.1156e+00, 7.4480e-03, 4.2207e-01],  
 [2.9237e+00, 1.9578e-04, 1.5020e-01],  
 [2.0565e+00, 3.3183e-03, 2.4008e-01],  
 [1.8160e+01, 2.4550e-02, 7.5172e-01],  
 [7.2081e-02, 2.3431e-06, 9.7567e-03],  
 [1.9938e-01, 1.9287e-05, 2.7844e-02],  
 [3.4928e+01, 1.6507e-01, 1.5882e+00],  
 [6.7575e-03, 1.5366e-08, 1.0338e-03],  
 [2.0660e+02, 7.8119e-01, 4.0583e+00],  
 [1.7005e+02, 4.2003e+00, 3.3870e+00],  
 [1.3425e+00, 1.3688e-03, 1.4935e-01],  
 [4.0005e-01, 4.4694e-05, 4.9915e-02],  
 [1.9664e-02, 3.3943e-07, 2.8589e-03],  
 [6.6765e+00, 2.6839e-04, 3.2070e-01],  
 [1.6763e+01, 5.8036e-02, 5.7751e-01],  
 [2.0952e-01, 1.2946e-05, 2.0176e-02],  
 [7.5503e-02, 2.1049e-06, 9.8729e-03],  
 [4.5899e-03, 6.3223e-09, 7.3799e-04],  
 [1.9669e+00, 1.0579e-03, 1.4399e-01],  
 [2.4862e+00, 9.2420e-04, 1.7888e-01],  
 [3.0587e+00, 2.5087e-04, 2.5853e-01],  
 [3.1100e+00, 1.2912e-03, 1.7334e-01],  
 [4.3961e+01, 2.8575e-01, 1.5149e+00],  
 [2.0341e-01, 3.0790e-05, 2.3412e-02],  
 [6.6793e+00, 1.0327e-02, 7.7782e-01],  
 [1.7785e-02, 4.1437e-07, 2.7150e-03],  
 [7.6038e-01, 1.7172e-04, 9.7674e-02],  
 [1.0992e+02, 1.3543e+00, 1.8312e+00],  
 [1.6137e+01, 4.8681e-02, 6.7265e-01],  
 [6.5609e+00, 6.3304e-03, 3.9766e-01],  
 [4.5154e+01, 2.9859e-01, 1.0983e+00],  
 [2.9875e+01, 2.2306e-02, 1.2338e+00],  
 [1.4763e+00, 1.3449e-03, 1.4854e-01],  
 [3.0416e-02, 4.3230e-07, 4.8293e-03],  
 [4.8850e+00, 1.0252e-03, 3.9626e-01],  
 [3.4018e+01, 2.2910e-01, 1.4840e+00],  
 [2.2141e-03, 1.0548e-09, 3.5669e-04],  
 [4.3850e+01, 2.6855e-01, 1.1641e+00],  
 [4.9318e-01, 1.8956e-04, 6.6216e-02],  
 [4.5928e+00, 7.8098e-04, 3.6876e-01],  
 [5.9504e+00, 6.6433e-03, 3.6718e-01],  
 [5.3815e+01, 3.4670e-02, 1.5577e+00],  
 [9.1224e+00, 3.4494e-02, 8.7600e-01],  
 [1.3801e+02, 2.2232e+00, 4.3352e+00],

[6.4363e+00, 1.4374e-02, 4.3489e-01],  
 [9.1136e+00, 3.8834e-02, 6.3689e-01],  
 [1.5732e+02, 3.4345e+00, 2.9946e+00],  
 [2.0561e+00, 2.0372e-03, 2.3742e-01],  
 [2.7642e-03, 2.7605e-09, 4.4683e-04],  
 [1.2523e+00, 2.0314e-04, 9.2720e-02],  
 [3.5753e+01, 1.6884e-01, 1.3613e+00],  
 [3.5204e+01, 3.9158e-03, 1.7960e+00],  
 [1.0028e+00, 1.8685e-04, 7.2091e-02],  
 [1.8720e+00, 2.5377e-04, 1.4199e-01],  
 [1.9178e+01, 1.1438e-01, 1.0972e+00],  
 [8.3188e-03, 2.2046e-08, 1.2820e-03],  
 [1.0291e+02, 3.1047e+00, 3.8268e+00],  
 [1.4330e+01, 1.1823e-02, 6.3455e-01],  
 [5.8517e+00, 4.6916e-03, 4.4740e-01],  
 [6.4614e+01, 3.4834e-01, 2.2208e+00],  
 [3.8231e+00, 3.1766e-03, 2.7047e-01],  
 [1.4638e+02, 1.7037e+00, 4.6698e+00],  
 [4.0302e-01, 9.2870e-06, 4.1798e-02],  
 [2.4012e+02, 6.4000e+00, 4.4866e+00],  
 [4.1911e+01, 2.8664e-01, 1.6294e+00],  
 [4.2452e-01, 7.9829e-05, 5.2782e-02],  
 [5.3116e+00, 1.7190e-03, 3.6580e-01],  
 [5.6780e-02, 1.3054e-06, 7.1995e-03],  
 [2.1417e+00, 1.9988e-03, 1.8876e-01],  
 [3.4060e+00, 1.1664e-03, 3.3770e-01],  
 [1.0370e+02, 1.0790e+00, 3.1592e+00],  
 [1.5952e+01, 2.7021e-02, 1.3472e+00],  
 [4.5899e+01, 1.5946e-01, 1.9236e+00],  
 [3.5806e-03, 5.0234e-09, 5.7834e-04],  
 [3.7461e+01, 2.0745e-01, 1.2804e+00],  
 [1.2440e-02, 1.6604e-08, 1.8472e-03],  
 [6.1449e-01, 5.4516e-05, 5.3898e-02],  
 [5.3507e-01, 1.4372e-04, 7.0097e-02],  
 [7.6527e+01, 1.5284e+00, 3.4163e+00],  
 [2.3598e+02, 6.3593e-01, 4.5233e+00],  
 [2.0637e-01, 3.2055e-05, 2.4896e-02],  
 [5.9082e-01, 4.8798e-05, 5.1355e-02],  
 [1.4118e+02, 2.1660e+00, 2.9667e+00],  
 [1.2414e-01, 7.3180e-06, 1.7440e-02],  
 [1.7031e+00, 1.0981e-03, 1.7121e-01],  
 [1.8587e+01, 1.1064e-02, 1.0736e+00],  
 [6.6180e+00, 1.1453e-02, 3.6603e-01],  
 [1.2231e-01, 6.4800e-06, 1.8685e-02],  
 [2.1859e+00, 3.7299e-04, 1.9115e-01],  
 [4.9125e+01, 8.5381e-01, 1.6095e+00],  
 [9.9054e+01, 1.5983e+00, 3.5915e+00],  
 [8.8933e+00, 5.5013e-02, 6.6114e-01],

[4.6491e-02, 1.7017e-06, 6.1142e-03],  
[3.2178e-01, 3.8652e-05, 4.1217e-02],  
[6.1774e-03, 7.6332e-08, 9.5190e-04],  
[4.5782e-02, 3.0553e-07, 6.3490e-03],  
[8.0281e-01, 4.2386e-04, 7.1770e-02],  
[2.0457e+00, 1.4528e-03, 1.5675e-01],  
[9.5410e-01, 7.0897e-04, 1.0194e-01],  
[1.7061e+02, 8.0757e-01, 3.1007e+00],  
[9.6380e+01, 2.9177e-01, 3.6987e+00],  
[2.0799e+02, 8.3401e+00, 4.6169e+00],  
[2.6004e+01, 1.2743e-01, 9.7933e-01],  
[4.5116e+00, 2.0209e-03, 4.6510e-01],  
[5.8633e-02, 1.2701e-07, 8.0338e-03],  
[1.4322e+01, 1.7531e-02, 8.1974e-01],  
[9.6545e-01, 2.2481e-04, 7.9997e-02],  
[6.6744e-01, 1.3736e-04, 4.9852e-02],  
[8.3610e+00, 3.7839e-02, 4.8107e-01],  
[4.8523e-01, 3.2671e-04, 6.6736e-02],  
[1.5753e+00, 1.2314e-03, 1.3065e-01],  
[2.9881e+00, 2.0260e-03, 2.4937e-01],  
[1.8298e-01, 5.2747e-06, 1.9030e-02],  
[9.2320e-01, 8.1761e-05, 7.7585e-02],  
[3.4137e+00, 1.5669e-03, 2.4425e-01],  
[7.4944e-01, 1.7807e-04, 8.6040e-02],  
[1.4628e+01, 2.2176e-02, 7.0937e-01],  
[4.8828e+00, 1.7158e-03, 2.6832e-01],  
[1.7875e-01, 5.0574e-06, 1.8094e-02],  
[8.6262e+01, 7.9380e-01, 1.9189e+00],  
[1.0988e+02, 5.9174e-01, 2.9381e+00],  
[1.2446e-01, 1.0022e-05, 1.5258e-02],  
[8.6737e+01, 1.3788e+00, 3.5337e+00],  
[2.6540e+01, 4.1480e-02, 8.3969e-01],  
[1.6460e-01, 1.2827e-05, 2.3362e-02],  
[2.2858e+00, 3.9633e-04, 1.3518e-01],  
[2.3492e+02, 3.4587e+00, 3.4627e+00],  
[2.0115e-01, 1.1504e-06, 2.3329e-02],  
[2.8434e-01, 2.2032e-05, 2.8734e-02],  
[1.0296e+01, 1.1176e-02, 4.9870e-01],  
[2.8780e+00, 1.5001e-03, 1.8680e-01],  
[3.8043e-03, 2.7034e-09, 5.9373e-04],  
[5.5839e+00, 4.8146e-03, 2.6072e-01],  
[7.2524e+01, 1.4275e-01, 3.6202e+00],  
[2.5021e+01, 1.1204e-01, 1.9378e+00],  
[1.5377e+02, 8.3294e-01, 3.6771e+00],  
[1.1333e+00, 4.2351e-04, 1.0079e-01],  
[4.6824e+01, 7.1601e-02, 1.7852e+00],  
[1.1841e+02, 2.6260e+00, 3.2402e+00],  
[1.8431e-01, 1.5825e-05, 2.1745e-02],

[1.0149e+02, 9.7627e-01, 2.0739e+00],  
 [2.8819e+01, 1.5761e-02, 9.6460e-01],  
 [1.4435e-02, 1.8614e-08, 2.2211e-03],  
 [1.5794e+01, 1.5207e-02, 1.0897e+00],  
 [3.8095e+01, 1.3646e-01, 1.5919e+00],  
 [2.9569e+00, 1.5567e-03, 2.1861e-01],  
 [6.5871e+00, 3.2555e-03, 6.9820e-01],  
 [1.1569e+00, 1.3998e-04, 7.8778e-02],  
 [1.1598e+00, 2.5047e-04, 1.4172e-01],  
 [7.2713e-01, 1.5672e-04, 7.8961e-02],  
 [3.9447e-02, 1.4449e-06, 5.3605e-03],  
 [3.6198e+00, 4.8835e-03, 2.9671e-01],  
 [7.7694e+01, 1.8699e+00, 2.6851e+00],  
 [1.3622e+01, 4.2509e-02, 6.7575e-01],  
 [1.0668e+01, 8.2682e-02, 7.9434e-01],  
 [7.4734e-02, 5.4245e-06, 1.0188e-02],  
 [1.0384e+00, 6.8262e-04, 9.3853e-02],  
 [5.2930e+01, 3.4742e-01, 2.0500e+00],  
 [1.3311e+01, 2.8150e-03, 4.7214e-01],  
 [9.5259e+01, 3.4926e+00, 3.5902e+00],  
 [6.0019e+01, 2.7900e-01, 1.7125e+00],  
 [2.5975e+01, 9.9700e-02, 1.6540e+00],  
 [2.9818e+01, 5.5540e-02, 1.4457e+00],  
 [9.3016e-02, 4.6676e-06, 1.1150e-02],  
 [4.3774e-01, 9.1567e-05, 4.6765e-02],  
 [7.8797e+01, 3.1308e-01, 3.8785e+00],  
 [2.9906e+01, 6.3966e-02, 2.2284e+00],  
 [5.0093e-01, 9.5299e-05, 5.4875e-02],  
 [1.6000e+01, 3.4743e-03, 7.1989e-01],  
 [9.3648e+01, 1.8870e+00, 2.0781e+00],  
 [2.8663e+01, 3.2039e-01, 1.4291e+00],  
 [4.0840e+00, 1.8493e-03, 5.2297e-01],  
 [3.1927e+01, 3.1189e-02, 1.0869e+00],  
 [6.3107e+00, 1.2047e-02, 5.9505e-01],  
 [3.8380e+01, 3.9893e-02, 1.5814e+00],  
 [1.7189e+01, 1.2176e-02, 9.2900e-01],  
 [4.1307e-01, 4.3025e-05, 3.6913e-02],  
 [1.7459e+02, 2.4383e+00, 2.6617e+00],  
 [2.1791e+00, 7.0889e-04, 1.6997e-01],  
 [4.6160e-01, 3.7422e-05, 3.9110e-02],  
 [4.4906e+01, 1.5242e-01, 9.8575e-01],  
 [6.6565e-01, 1.1693e-04, 4.7106e-02],  
 [8.7989e+00, 2.0500e-02, 4.4848e-01],  
 [2.0556e+01, 1.1751e-01, 8.0660e-01],  
 [5.7999e+01, 1.2017e-01, 2.5963e+00],  
 [2.3973e-02, 2.0701e-07, 3.4125e-03],  
 [4.5130e+01, 8.7325e-01, 1.9351e+00],  
 [9.4889e-02, 7.0275e-06, 1.1984e-02],

[2.7424e-01, 2.6281e-05, 3.2097e-02],  
[6.2082e+01, 1.7189e-01, 3.5888e+00],  
[2.6630e+01, 2.2778e-02, 7.3472e-01],  
[2.3397e+02, 4.9545e+00, 4.0796e+00],  
[3.9798e+01, 3.2436e-01, 1.1210e+00],  
[6.0468e+01, 5.0170e-01, 2.7261e+00],  
[3.0029e+00, 4.3447e-05, 1.7399e-01],  
[4.0328e-02, 2.0304e-07, 5.8809e-03],  
[3.2277e-01, 6.2040e-06, 3.8042e-02],  
[6.6292e-01, 1.1864e-04, 5.2970e-02],  
[1.5022e+00, 8.0440e-04, 1.0230e-01],  
[7.2042e+01, 1.2191e-01, 2.6856e+00],  
[1.2896e+00, 8.1354e-04, 9.2372e-02],  
[4.0138e+01, 1.1923e-01, 2.4153e+00],  
[2.7143e+01, 1.0322e-01, 1.3974e+00],  
[2.5613e+00, 9.0923e-04, 2.2860e-01],  
[1.1817e+02, 2.4021e-01, 4.3507e+00],  
[7.7749e-01, 1.4298e-04, 7.4203e-02],  
[2.1143e+01, 1.0977e-01, 8.7730e-01],  
[2.8358e-01, 5.6709e-05, 2.7064e-02],  
[3.1320e+00, 6.4214e-04, 2.6923e-01],  
[2.0238e-03, 7.3562e-10, 3.2655e-04],  
[2.5088e+01, 3.1562e-02, 2.1587e+00],  
[5.2082e+01, 8.6805e-02, 2.7923e+00],  
[8.1304e+01, 2.1304e+00, 2.7865e+00],  
[6.8461e+01, 3.1689e-01, 3.6581e+00],  
[8.3507e+00, 1.9512e-03, 9.5928e-01],  
[5.6418e+01, 7.8324e-01, 2.4185e+00],  
[9.5119e-01, 1.3386e-04, 5.5927e-02],  
[1.0640e+02, 3.6587e+00, 3.4156e+00],  
[1.0634e+00, 3.3089e-04, 8.0056e-02],  
[4.8630e+00, 5.7722e-03, 2.3793e-01],  
[1.6433e+02, 2.5230e+00, 3.1489e+00],  
[5.6803e+01, 7.6530e-01, 1.9298e+00],  
[1.7187e+02, 1.9671e+00, 4.6302e+00],  
[9.9606e-02, 6.6029e-06, 1.1560e-02],  
[6.9881e+01, 3.3474e-01, 2.7114e+00],  
[4.8140e-01, 5.9661e-05, 6.1297e-02],  
[5.0099e+01, 5.2190e-01, 1.4365e+00],  
[1.7204e+01, 1.0211e-01, 8.7454e-01],  
[2.1104e+00, 1.2457e-04, 1.4623e-01],  
[8.4898e+01, 1.1689e+00, 2.5996e+00],  
[2.1460e+02, 1.2668e+00, 3.8154e+00],  
[1.2640e+01, 5.7311e-02, 5.4754e-01],  
[3.0071e+01, 2.3820e-01, 9.7757e-01],  
[2.1602e+00, 2.7238e-05, 1.4617e-01],  
[7.3631e+01, 7.5747e-01, 1.9202e+00],  
[1.5447e+02, 2.8098e+00, 3.1067e+00],

```

[1.0595e-01, 1.0389e-05, 1.5027e-02],
[7.6204e+01, 5.9926e-01, 1.7651e+00],
[6.2885e-01, 2.2221e-04, 5.6063e-02],
[2.4133e+01, 1.2231e-01, 8.5644e-01],
[1.5406e-01, 1.8782e-06, 2.0880e-02],
[2.8922e+01, 6.3975e-02, 1.6976e+00],
[8.2160e+01, 8.8761e-01, 2.1806e+00],
[3.8749e-01, 2.6718e-05, 4.3331e-02],
[1.1633e+02, 2.5172e+00, 2.5550e+00],
[6.6244e+01, 8.0377e-01, 1.7282e+00],
[3.9261e+00, 9.6006e-03, 3.8852e-01],
[4.1892e-01, 1.5604e-05, 3.7235e-02],
[7.1859e-01, 4.6606e-05, 5.4259e-02],
[1.2680e+02, 2.4731e+00, 2.9264e+00],
[3.5338e+01, 1.7311e-01, 1.5702e+00],
[1.6818e+01, 9.9691e-03, 1.3933e+00],
[1.1444e+02, 3.0665e+00, 2.6207e+00],
[1.2663e+00, 5.6178e-04, 1.0632e-01],
[3.8940e+01, 6.8701e-01, 2.2276e+00],
[1.9520e+00, 8.2830e-04, 1.6350e-01],
[1.4553e+00, 1.0185e-04, 1.0961e-01],
[2.6264e+00, 3.2575e-04, 1.6831e-01],
[4.5087e-01, 5.8080e-05, 4.1626e-02],
[3.6286e-02, 2.4416e-07, 5.1487e-03],
[5.2405e+01, 5.8036e-01, 2.0964e+00],
[2.0088e+01, 3.3287e-02, 7.5118e-01],
[2.2204e+00, 8.8658e-04, 1.9605e-01],
[6.6239e-02, 2.3054e-06, 8.8537e-03],
[5.8620e+01, 7.8495e-01, 2.0098e+00],
[7.3390e+00, 1.0784e-02, 4.9953e-01],
[3.0492e+00, 4.9559e-03, 2.8587e-01],
[1.5968e+02, 5.3766e-01, 3.4882e+00],
[8.0514e+00, 4.2970e-03, 4.0980e-01],
[2.4063e+02, 5.4815e+00, 3.8076e+00],
[2.0151e-02, 7.0660e-08, 3.0414e-03],
[1.4500e+00, 2.4238e-04, 9.6306e-02]], dtype=torch.float64)
Iteration: 83
Inputs: tensor([[7.1955e+18, 8.6477e+01, 7.8907e+00, 8.6918e+00],
               [2.4889e+20, 2.3591e+02, 1.9627e+01, 5.8940e+00],
               [9.6203e+18, 9.1536e+01, 5.2411e+00, 8.0848e+00],
               ...,
               [6.7814e+18, 4.4650e+02, 1.7131e+00, 9.7570e+00],
               [2.1318e+20, 3.5283e+02, 9.5230e+00, 3.2356e+00],
               [6.7967e+19, 1.6171e+02, 2.0922e+00, 2.6614e+00]]), dtype=torch.float64)
Target: tensor([[4.7880e-01, 1.3260e-04, 5.5444e-02],
               [4.0307e+01, 4.1913e-01, 1.9512e+00],
               [1.0565e+00, 3.9473e-04, 1.0677e-01],
               [7.0174e+00, 1.3813e-02, 3.5078e-01],

```

[5.2306e+00, 8.5252e-03, 3.6469e-01],  
[3.2293e+01, 2.8953e-01, 1.2398e+00],  
[8.6353e+01, 1.3086e+00, 1.9609e+00],  
[2.4587e+01, 3.7922e-02, 1.0868e+00],  
[1.2367e+00, 1.0811e-04, 1.2311e-01],  
[5.4469e-01, 2.4652e-05, 6.6779e-02],  
[3.8274e+01, 2.1966e-01, 1.1244e+00],  
[4.8523e+01, 4.1109e-01, 2.0684e+00],  
[5.9323e+01, 2.0938e-01, 3.3977e+00],  
[2.5785e-01, 2.3571e-05, 3.6829e-02],  
[2.7174e+01, 3.1159e-02, 7.6600e-01],  
[2.7656e+01, 3.9820e-02, 1.4994e+00],  
[3.6085e-01, 2.1947e-05, 4.8408e-02],  
[7.6607e-02, 7.2072e-06, 1.0800e-02],  
[4.5434e+00, 2.6373e-03, 2.2803e-01],  
[2.7273e-01, 7.8161e-06, 2.8654e-02],  
[3.5406e+00, 3.3831e-03, 2.5657e-01],  
[1.0693e+01, 1.0670e-02, 4.5828e-01],  
[2.1464e+01, 9.4430e-02, 8.7972e-01],  
[2.6760e+00, 9.1898e-04, 2.1276e-01],  
[1.6405e+01, 2.3409e-03, 5.1719e-01],  
[1.5024e+01, 2.2433e-02, 7.4590e-01],  
[7.3078e+00, 8.1348e-03, 3.5756e-01],  
[1.7919e-02, 6.0383e-08, 2.7695e-03],  
[1.8680e+01, 7.3168e-02, 7.7855e-01],  
[1.3030e-01, 1.0192e-05, 1.4824e-02],  
[7.8008e+00, 2.8036e-03, 4.3941e-01],  
[1.7471e+00, 9.0084e-04, 1.6090e-01],  
[1.1445e+02, 1.6438e+00, 3.1843e+00],  
[3.5628e-01, 6.4979e-06, 3.3262e-02],  
[2.2421e+01, 6.4496e-02, 7.4312e-01],  
[3.3983e+00, 1.6717e-03, 2.9671e-01],  
[9.5344e+00, 3.2949e-03, 5.7137e-01],  
[4.1576e+01, 2.3239e-01, 1.6801e+00],  
[3.3144e+00, 5.3139e-03, 2.9872e-01],  
[1.8134e+01, 3.5240e-02, 5.3215e-01],  
[2.8022e+01, 8.3008e-02, 1.8619e+00],  
[2.2379e+01, 1.5333e-02, 1.5064e+00],  
[2.8038e+00, 1.1560e-04, 1.9370e-01],  
[9.6586e+01, 2.2944e+00, 2.6904e+00],  
[2.5602e-02, 6.1485e-08, 3.7246e-03],  
[2.5906e+00, 1.4457e-04, 1.9607e-01],  
[2.5025e-03, 4.0304e-09, 4.0236e-04],  
[2.7217e+00, 9.8185e-04, 1.7440e-01],  
[1.0756e+00, 3.3573e-05, 1.1707e-01],  
[2.3935e+02, 1.4563e+00, 4.3540e+00],  
[1.2915e+01, 6.5163e-02, 5.7022e-01],  
[4.7154e-01, 4.6412e-04, 6.5225e-02],



[3.5365e-03, 1.3658e-08, 5.6075e-04],  
 [8.7829e-01, 1.1539e-04, 9.7419e-02],  
 [1.8378e-02, 6.3048e-08, 2.7699e-03],  
 [4.1218e+00, 3.2614e-03, 2.6318e-01],  
 [3.2928e-02, 2.2790e-07, 5.0565e-03],  
 [7.0008e-01, 1.1463e-04, 7.1662e-02],  
 [1.1757e+01, 1.4677e-02, 5.8562e-01],  
 [1.7340e+02, 1.8487e-01, 3.6301e+00],  
 [2.0248e+01, 8.9866e-02, 6.8140e-01],  
 [6.2950e+01, 2.9729e-01, 1.2914e+00],  
 [1.9396e+01, 1.0366e-01, 7.8249e-01],  
 [1.1351e+00, 1.2205e-04, 8.4618e-02],  
 [9.7771e+00, 4.8154e-03, 4.9895e-01],  
 [9.3840e-02, 1.5539e-06, 1.2835e-02],  
 [8.4089e+01, 1.0911e+00, 3.4940e+00],  
 [1.0932e+02, 4.7057e-01, 2.9139e+00],  
 [1.1919e+02, 4.3660e+00, 3.4391e+00],  
 [3.9640e+01, 2.0880e-01, 1.2301e+00],  
 [2.2649e+01, 3.9471e-02, 1.3100e+00],  
 [2.9816e-01, 4.8520e-05, 3.1245e-02],  
 [1.2109e+02, 2.7341e+00, 3.9878e+00],  
 [1.9321e-01, 7.3152e-06, 2.3914e-02],  
 [3.5180e+01, 9.7437e-02, 1.8175e+00],  
 [1.1140e+00, 1.7553e-04, 1.0161e-01],  
 [3.9357e+01, 5.6506e-02, 2.0039e+00],  
 [5.8078e-01, 1.0578e-04, 5.5794e-02],  
 [1.9256e-01, 6.9144e-06, 2.4870e-02],  
 [1.6095e+01, 4.1609e-02, 6.9070e-01],  
 [2.1342e-01, 3.3807e-06, 2.3802e-02],  
 [1.1422e+02, 3.5172e+00, 4.3110e+00],  
 [1.4820e+01, 8.9212e-02, 8.8683e-01],  
 [3.7209e-04, 5.1300e-11, 6.0794e-05],  
 [3.7672e+00, 7.2812e-03, 4.3030e-01],  
 [3.7150e-01, 4.5514e-05, 3.9661e-02],  
 [2.2708e-01, 1.7636e-05, 2.6606e-02],  
 [1.3010e+01, 1.1090e-02, 8.0805e-01],  
 [1.5827e+01, 5.0016e-03, 8.4315e-01],  
 [8.5996e-01, 3.1171e-04, 6.5825e-02],  
 [1.3513e-01, 9.0196e-06, 1.5170e-02],  
 [1.0351e+01, 3.3652e-02, 4.5660e-01],  
 [3.8032e-01, 6.6252e-06, 4.4420e-02],  
 [3.8907e-03, 4.2936e-09, 6.0673e-04],  
 [2.9769e-02, 6.8820e-07, 4.6251e-03],  
 [5.2888e+01, 2.6829e-01, 1.4904e+00],  
 [1.5013e+02, 7.4452e-01, 4.3241e+00],  
 [5.2117e+00, 3.3910e-03, 2.0655e-01],  
 [1.8887e+01, 3.0718e-02, 7.8069e-01],  
 [1.4676e+02, 2.9734e-01, 4.0661e+00],

[2.7230e-02, 1.2286e-07, 3.7768e-03],  
 [3.8240e-02, 5.4332e-07, 5.3258e-03],  
 [3.3712e+01, 8.5955e-02, 1.1695e+00],  
 [4.5248e+00, 1.2931e-03, 3.3707e-01],  
 [8.9968e-01, 2.2506e-04, 7.8447e-02],  
 [2.3429e+01, 3.3115e-02, 6.8080e-01],  
 [6.6405e-03, 1.4421e-08, 1.0257e-03],  
 [5.5603e+01, 6.3074e-01, 1.5758e+00],  
 [1.0256e+00, 1.5044e-04, 7.4392e-02],  
 [7.1461e+01, 3.6519e-01, 3.3566e+00],  
 [2.8199e-01, 7.9521e-06, 3.6509e-02],  
 [1.8460e+00, 2.2311e-03, 1.9651e-01],  
 [7.1767e-01, 1.5587e-04, 5.2375e-02],  
 [2.4058e+00, 1.1953e-03, 2.8189e-01],  
 [1.8256e-03, 4.7588e-09, 2.9148e-04],  
 [5.0519e-02, 6.2343e-07, 6.4981e-03],  
 [3.8145e+00, 1.6890e-03, 3.2044e-01],  
 [2.5596e+00, 7.6391e-04, 2.4835e-01],  
 [2.5584e+00, 1.8785e-03, 1.7681e-01],  
 [4.2656e+00, 6.8645e-04, 3.6640e-01],  
 [5.7558e+01, 3.5326e-01, 3.5085e+00],  
 [1.8454e+00, 4.3298e-04, 1.0270e-01],  
 [6.9572e+01, 1.0048e+00, 2.1738e+00],  
 [4.0080e+01, 4.8888e-01, 2.5306e+00],  
 [3.3916e-01, 2.8957e-06, 2.7657e-02],  
 [2.0924e+02, 4.9152e+00, 3.2674e+00],  
 [1.8332e+00, 7.5853e-04, 1.6740e-01],  
 [5.2511e-01, 7.4643e-05, 5.7206e-02],  
 [6.0163e+01, 2.7035e-01, 1.5290e+00],  
 [4.7369e-02, 5.8062e-07, 6.9220e-03],  
 [3.7087e-01, 6.1203e-05, 3.9989e-02],  
 [5.2384e-03, 4.0831e-09, 8.2600e-04],  
 [5.3494e+00, 5.4030e-03, 2.9939e-01],  
 [1.5065e-02, 5.8288e-08, 2.3885e-03],  
 [1.9158e+02, 2.2204e+00, 4.3265e+00],  
 [4.7753e-02, 9.2196e-07, 6.5110e-03],  
 [1.8416e+00, 1.0796e-03, 1.6879e-01],  
 [4.4955e+01, 9.5009e-02, 1.2577e+00],  
 [1.2177e+00, 4.6069e-04, 1.0055e-01],  
 [2.3853e+01, 1.3269e-01, 1.3443e+00],  
 [6.1246e+00, 1.4954e-03, 2.4906e-01],  
 [4.9992e+01, 2.5537e-01, 1.4323e+00],  
 [2.0732e+01, 7.6385e-02, 6.8680e-01],  
 [2.3008e+01, 2.6966e-02, 9.4697e-01],  
 [1.6388e+02, 8.9767e-01, 4.4907e+00],  
 [8.3960e+01, 1.6433e+00, 3.8506e+00],  
 [1.4227e+02, 1.6199e+00, 3.0961e+00],  
 [2.5356e+00, 8.9978e-04, 2.4729e-01],

[1.6923e+01, 5.1575e-02, 7.6342e-01],  
 [3.0348e+01, 5.6388e-02, 1.1831e+00],  
 [1.5080e-03, 4.0620e-10, 2.4491e-04],  
 [2.7247e+00, 1.7117e-03, 1.8455e-01],  
 [6.4964e+01, 1.2070e-01, 2.5713e+00],  
 [4.3518e-01, 2.1806e-05, 3.8833e-02],  
 [1.4206e-01, 1.2088e-05, 1.5757e-02],  
 [9.6700e+01, 2.9728e-01, 2.1562e+00],  
 [5.7388e+01, 4.3837e-01, 2.2729e+00],  
 [4.0163e+01, 9.8819e-02, 1.4800e+00],  
 [6.3538e+00, 3.5412e-02, 7.2647e-01],  
 [8.1965e+00, 1.7121e-03, 2.9924e-01],  
 [1.5571e+00, 2.3259e-03, 2.0296e-01],  
 [3.9788e+00, 1.3931e-03, 3.4273e-01],  
 [5.6087e+00, 3.7782e-03, 2.6846e-01],  
 [8.9098e+01, 3.9216e-01, 2.1317e+00],  
 [5.0560e+00, 9.5721e-03, 3.3281e-01],  
 [5.3201e-02, 1.0069e-06, 7.8489e-03],  
 [5.4569e-03, 4.6500e-08, 8.6761e-04],  
 [1.0847e+02, 1.1168e+00, 3.3632e+00],  
 [1.3860e+02, 4.3285e+00, 3.9114e+00],  
 [3.4810e-02, 2.5555e-07, 5.1496e-03],  
 [1.9683e+01, 2.6174e-03, 8.7026e-01],  
 [4.6253e+00, 7.5776e-04, 5.4920e-01],  
 [3.3218e+01, 4.8763e-01, 2.1738e+00],  
 [1.1573e+02, 6.4167e-01, 3.7881e+00],  
 [2.6235e+00, 4.6995e-03, 2.8712e-01],  
 [1.6321e-01, 2.7771e-05, 2.1608e-02],  
 [1.4691e-03, 4.6613e-10, 2.3836e-04],  
 [7.2548e+01, 8.8609e-01, 1.6144e+00],  
 [1.1881e+00, 8.7539e-05, 1.0650e-01],  
 [4.1147e-02, 2.0730e-06, 5.8738e-03],  
 [2.6556e+01, 1.5000e-01, 8.9474e-01],  
 [3.7399e+01, 2.8556e-01, 1.3791e+00],  
 [1.9952e-02, 2.5492e-07, 2.8484e-03],  
 [3.3518e+00, 1.7268e-04, 3.5574e-01],  
 [4.6415e+01, 3.7413e-01, 1.2761e+00],  
 [6.4858e+00, 1.9228e-02, 6.8229e-01],  
 [2.1202e+00, 1.6157e-03, 1.4181e-01],  
 [6.8537e-04, 1.0382e-10, 1.1158e-04],  
 [1.9698e-02, 1.6625e-07, 2.8763e-03],  
 [8.7458e-01, 4.5682e-05, 8.1507e-02],  
 [1.7173e+01, 7.8859e-02, 8.9856e-01],  
 [6.2434e+01, 1.0127e+00, 1.7207e+00],  
 [3.2982e-02, 6.1123e-08, 4.5900e-03],  
 [1.7938e+02, 3.3159e+00, 3.2088e+00],  
 [4.1268e+01, 6.5778e-02, 1.7603e+00],  
 [3.6248e+01, 7.8739e-02, 1.3140e+00],

[9.8821e+00, 1.3362e-02, 1.0094e+00],  
[1.0093e+02, 2.0039e+00, 2.5720e+00],  
[6.9586e+00, 5.3059e-03, 4.1302e-01],  
[9.6712e+01, 6.5527e-01, 4.1488e+00],  
[3.3929e+01, 1.4511e-01, 1.5808e+00],  
[2.7629e-01, 3.3015e-05, 3.6720e-02],  
[4.6863e+00, 6.2245e-03, 2.6611e-01],  
[5.8634e+01, 3.3927e-01, 2.6195e+00],  
[7.5247e+01, 6.4040e-01, 1.8965e+00],  
[4.5896e-01, 2.8425e-06, 3.9174e-02],  
[1.5317e+00, 5.0131e-04, 1.6201e-01],  
[3.2108e+01, 3.7470e-01, 2.2977e+00],  
[2.5495e-01, 3.9558e-05, 2.8047e-02],  
[9.8450e+00, 1.0656e-02, 4.0992e-01],  
[1.1457e+00, 1.0642e-04, 8.1523e-02],  
[1.0066e+01, 2.0282e-02, 4.7549e-01],  
[1.8308e-01, 4.8639e-06, 1.9409e-02],  
[8.7697e+01, 7.8970e-01, 1.6467e+00],  
[4.5773e+00, 4.8099e-03, 2.8965e-01],  
[4.2330e+01, 2.7375e-02, 1.9183e+00],  
[1.4258e+00, 2.4385e-04, 1.5598e-01],  
[2.0121e-01, 2.9816e-06, 2.0904e-02],  
[2.1690e+00, 2.5035e-03, 2.3597e-01],  
[1.0063e+02, 1.8314e-01, 2.5758e+00],  
[9.4214e+00, 5.0193e-03, 3.6570e-01],  
[2.3563e+00, 4.8709e-04, 1.4620e-01],  
[4.2886e+01, 3.8423e-01, 1.4408e+00],  
[9.4428e+01, 1.6643e+00, 2.1650e+00],  
[1.1938e-01, 1.5266e-06, 1.4777e-02],  
[1.3319e+02, 1.9210e+00, 3.9300e+00],  
[7.4141e+00, 4.2350e-03, 2.6943e-01],  
[1.3070e+02, 1.3508e+00, 4.3372e+00],  
[1.2875e+01, 8.4107e-02, 1.1177e+00],  
[7.1595e+00, 4.6660e-02, 6.1306e-01],  
[1.1449e+00, 5.2664e-05, 7.2720e-02],  
[1.5673e+01, 5.8920e-02, 1.1714e+00],  
[1.1260e+00, 3.3675e-05, 1.0831e-01],  
[1.7781e-01, 3.3147e-05, 2.5297e-02],  
[1.8515e+00, 4.6803e-04, 1.1843e-01],  
[1.1880e-01, 7.6670e-06, 1.3222e-02],  
[1.1801e+02, 3.7975e-01, 2.2252e+00],  
[4.6883e-01, 2.4681e-06, 4.5828e-02],  
[1.3167e+00, 1.1384e-05, 9.8093e-02],  
[6.8224e+01, 2.8196e-01, 3.6445e+00],  
[1.1177e+01, 5.5155e-03, 7.6443e-01],  
[5.6289e-01, 1.0432e-05, 5.8377e-02],  
[1.0237e+02, 1.6979e+00, 2.3717e+00],  
[8.9581e+01, 4.4447e-01, 3.2851e+00],

[1.5868e+02, 8.1679e-01, 3.3204e+00],  
 [1.8695e+01, 7.2753e-02, 8.5389e-01],  
 [3.3203e-02, 4.0442e-07, 5.1529e-03],  
 [5.8648e+01, 5.7537e-01, 1.3778e+00],  
 [7.3593e+01, 2.3750e-01, 2.2580e+00],  
 [3.9237e+00, 5.8765e-03, 2.2341e-01],  
 [1.2490e+00, 7.6979e-04, 1.1754e-01],  
 [3.8254e+01, 1.7132e-01, 1.2154e+00],  
 [8.7860e+01, 6.4945e-01, 2.1703e+00],  
 [1.2820e-01, 2.5164e-06, 1.5355e-02],  
 [1.3918e-01, 1.0210e-05, 1.9257e-02],  
 [9.2168e+01, 6.2755e-01, 3.5048e+00],  
 [1.1249e-01, 9.6978e-06, 1.6090e-02],  
 [3.8493e+01, 5.4742e-02, 2.2559e+00],  
 [2.3364e-01, 2.2512e-05, 2.2678e-02],  
 [5.9522e-01, 6.7993e-05, 5.7475e-02],  
 [6.6294e+00, 4.1756e-03, 5.7185e-01],  
 [2.5334e+00, 1.3930e-03, 2.6425e-01],  
 [1.7443e+02, 2.9967e+00, 4.3341e+00],  
 [2.6357e+00, 1.6226e-03, 1.6316e-01],  
 [1.1276e+02, 3.5268e+00, 3.0346e+00],  
 [1.0340e+01, 2.6635e-02, 6.5142e-01],  
 [2.9661e+00, 1.6747e-03, 3.5619e-01],  
 [1.8494e+00, 2.7783e-03, 1.8916e-01],  
 [1.5920e+00, 4.5586e-05, 1.1385e-01],  
 [1.7177e-02, 3.9601e-08, 2.5334e-03],  
 [3.0220e-01, 2.2799e-05, 3.6976e-02],  
 [1.5555e+01, 6.3396e-03, 5.0087e-01],  
 [5.2638e+01, 2.6279e-01, 1.1372e+00],  
 [8.3446e+01, 1.8773e+00, 2.0266e+00],  
 [1.8773e+01, 4.8443e-02, 1.8001e+00],  
 [4.5522e+01, 2.4489e-01, 1.1801e+00],  
 [1.7531e+01, 9.3036e-03, 6.2040e-01],  
 [2.0111e+01, 4.7467e-02, 1.1469e+00],  
 [1.6750e+00, 8.3690e-04, 1.5629e-01],  
 [1.6882e+01, 5.8158e-02, 9.0052e-01],  
 [4.7932e+01, 2.8503e-01, 1.6597e+00],  
 [1.0276e+02, 3.4903e+00, 3.5091e+00],  
 [1.1323e+02, 9.6070e-01, 3.0139e+00],  
 [4.6384e+01, 1.6928e-01, 1.0778e+00],  
 [2.6165e+00, 1.8989e-03, 1.6753e-01],  
 [1.2293e+02, 1.5487e+00, 4.2610e+00],  
 [7.5980e-01, 5.9954e-05, 7.0418e-02],  
 [3.1447e+00, 6.8845e-04, 3.5625e-01],  
 [2.2023e+02, 3.6865e+00, 4.0458e+00],  
 [3.7544e-03, 5.2882e-09, 5.8917e-04],  
 [1.9107e-01, 2.0886e-05, 2.3491e-02],  
 [1.8966e+00, 7.0856e-04, 1.2847e-01],

```

[5.1917e-03, 3.8600e-08, 8.2300e-04],
[9.3905e-01, 3.0062e-04, 6.6969e-02],
[8.1702e+00, 2.2422e-03, 3.5629e-01],
[1.8433e+00, 7.1162e-04, 1.6658e-01],
[4.3550e+01, 1.1582e-01, 2.3192e+00],
[2.2564e+01, 2.6780e-02, 6.0737e-01],
[2.7157e+00, 9.8377e-04, 2.2402e-01],
[2.3049e+01, 3.2474e-02, 1.1121e+00],
[8.2929e-01, 8.5700e-04, 1.0526e-01],
[6.2515e+01, 7.4354e-01, 2.0411e+00],
[4.7786e+01, 4.0831e-01, 1.4033e+00],
[4.5491e+01, 4.5632e-01, 1.4155e+00],
[1.8578e+01, 1.2204e-01, 9.5564e-01],
[1.6471e-01, 8.2218e-06, 1.7469e-02],
[2.6548e+01, 2.3815e-02, 8.1001e-01],
[4.0812e-01, 7.4513e-05, 3.4475e-02],
[1.7255e+00, 8.4814e-04, 1.6344e-01],
[5.2630e+01, 2.7605e-01, 2.6721e+00],
[3.5673e+00, 2.2417e-03, 2.6510e-01],
[3.1981e-01, 1.5328e-05, 3.2419e-02],
[5.1385e-01, 8.5104e-05, 4.8882e-02],
[2.0433e+02, 5.7657e+00, 4.5390e+00],
[3.8232e+01, 1.0416e-02, 1.4412e+00],
[6.7334e-01, 2.7415e-05, 5.1692e-02],
[5.2270e+00, 4.9045e-03, 3.7814e-01],
[6.2547e+00, 4.5038e-03, 2.3119e-01],
[5.5466e+01, 1.7625e-01, 2.0150e+00],
[2.3348e+01, 1.1843e-02, 9.9533e-01]], dtype=torch.float64)
Iteration: 84
Inputs: tensor([[4.0319e+19, 2.0258e+02, 1.5421e+01, 6.4482e+00],
[8.0993e+20, 2.0397e+02, 1.7635e+01, 6.2574e+00],
[1.3102e+19, 4.4594e+02, 1.6645e+01, 4.9355e+00],
...,
[2.8951e+19, 1.9375e+02, 6.9232e+00, 1.6302e+00],
[2.8600e+20, 2.1978e+01, 1.1284e+00, 5.7600e+00],
[1.3921e+19, 3.3916e+02, 3.4652e+00, 6.1796e+00]], dtype=torch.float64)
Target: tensor([[9.0154e+00, 2.5967e-02, 5.6982e-01],
[9.5467e+01, 1.9735e+00, 3.9438e+00],
[3.9918e+00, 3.1373e-03, 2.6395e-01],
[4.2759e-02, 8.3047e-07, 6.4354e-03],
[9.7748e-03, 3.5240e-08, 1.4854e-03],
[9.0544e+00, 5.8334e-03, 4.3874e-01],
[1.1555e-02, 1.1827e-07, 1.7251e-03],
[5.2358e-03, 4.5939e-09, 8.4292e-04],
[6.4900e-02, 8.2514e-07, 8.8192e-03],
[9.8232e-02, 2.2462e-06, 1.2814e-02],
[1.9687e+00, 1.0087e-03, 1.6066e-01],
[3.1806e-01, 4.6444e-05, 3.1335e-02],

```

[5.0073e+01, 2.4599e-01, 1.8737e+00],  
 [6.2732e+01, 9.2150e-01, 1.6093e+00],  
 [7.4716e+01, 2.9693e-01, 3.2519e+00],  
 [1.5090e-01, 1.0720e-05, 1.7486e-02],  
 [1.5989e+00, 2.4939e-04, 1.6113e-01],  
 [1.8985e+00, 6.3026e-04, 1.4621e-01],  
 [2.5953e+00, 1.5872e-03, 1.5774e-01],  
 [3.4167e+00, 5.9594e-03, 2.8250e-01],  
 [4.3556e-01, 4.7190e-05, 4.7101e-02],  
 [3.0121e+01, 3.8418e-01, 1.8369e+00],  
 [5.7031e+00, 3.1535e-03, 5.0356e-01],  
 [7.7279e+01, 2.5228e-01, 3.6600e+00],  
 [4.2409e+00, 1.2924e-03, 4.1341e-01],  
 [1.1771e+00, 4.9659e-04, 1.1450e-01],  
 [2.1069e+01, 1.1466e-01, 1.1432e+00],  
 [2.3491e+00, 2.3743e-03, 3.1850e-01],  
 [4.2508e+01, 8.5803e-02, 1.0514e+00],  
 [2.7546e+01, 2.3248e-02, 1.6815e+00],  
 [1.3598e+02, 2.3355e+00, 2.9361e+00],  
 [3.1958e+00, 5.1813e-04, 2.8444e-01],  
 [1.4500e+01, 5.3566e-02, 7.8901e-01],  
 [3.7105e+01, 3.1936e-01, 1.0452e+00],  
 [2.7075e+01, 1.1865e-01, 7.9921e-01],  
 [4.2860e+01, 6.8554e-02, 1.1142e+00],  
 [1.9870e-01, 3.3354e-06, 2.2024e-02],  
 [3.7075e+01, 2.3516e-01, 1.8540e+00],  
 [2.0453e+01, 9.9762e-02, 1.1392e+00],  
 [2.3385e+02, 7.7850e+00, 4.4359e+00],  
 [4.8758e-01, 5.3417e-05, 5.3893e-02],  
 [5.5808e+00, 4.2103e-03, 3.5474e-01],  
 [1.5823e+02, 4.7699e+00, 3.9380e+00],  
 [3.9629e-01, 8.9282e-05, 3.5343e-02],  
 [1.1979e+02, 2.4101e+00, 2.5800e+00],  
 [4.3544e+00, 3.3493e-03, 4.8252e-01],  
 [7.1846e+01, 6.7014e-01, 2.3995e+00],  
 [1.4429e+02, 1.6694e+00, 3.8038e+00],  
 [6.3755e+00, 1.3084e-02, 3.7369e-01],  
 [8.5226e-01, 2.1682e-04, 1.0100e-01],  
 [5.6135e+00, 6.0938e-03, 4.5057e-01],  
 [1.8953e+02, 4.4892e+00, 4.2874e+00],  
 [3.1244e-01, 5.2356e-05, 3.3883e-02],  
 [3.9948e+01, 4.2570e-01, 1.6846e+00],  
 [1.9875e+01, 3.4339e-02, 1.1013e+00],  
 [1.5498e+01, 1.2399e-02, 1.1984e+00],  
 [3.1170e+02, 8.4671e+00, 5.0966e+00],  
 [3.6587e+02, 7.2866e+00, 5.1596e+00],  
 [1.7509e+01, 5.7366e-02, 1.1730e+00],  
 [4.6655e+01, 2.1115e-02, 2.0650e+00],

[2.0124e+00, 2.3595e-04, 1.5527e-01],  
 [2.3176e+01, 5.9089e-02, 1.2731e+00],  
 [3.8720e-01, 7.1884e-05, 5.5125e-02],  
 [3.6783e+00, 2.5154e-03, 2.3295e-01],  
 [5.6512e+00, 2.4184e-03, 3.1774e-01],  
 [6.7097e+01, 1.6430e-01, 2.0185e+00],  
 [4.2161e+01, 7.1710e-01, 2.4041e+00],  
 [2.8072e+01, 9.0484e-02, 1.1701e+00],  
 [5.5134e+01, 1.0083e+00, 3.3640e+00],  
 [1.7261e-01, 1.1071e-05, 2.1421e-02],  
 [6.9517e+00, 4.8827e-02, 6.9686e-01],  
 [4.3265e+01, 4.0012e-01, 2.5813e+00],  
 [5.9998e-03, 3.0147e-08, 9.2959e-04],  
 [1.9491e+01, 8.5034e-03, 1.0551e+00],  
 [4.4279e+01, 6.4449e-01, 1.3609e+00],  
 [1.2502e-01, 8.2985e-06, 1.7894e-02],  
 [5.5301e-01, 1.4072e-04, 5.6215e-02],  
 [2.6678e-01, 9.7157e-06, 2.8386e-02],  
 [3.4801e-02, 6.1418e-07, 4.7995e-03],  
 [5.0248e+01, 6.1129e-01, 2.0476e+00],  
 [2.4200e+01, 9.0393e-02, 1.1790e+00],  
 [2.5271e+00, 6.1769e-04, 1.7919e-01],  
 [1.9457e-01, 4.1729e-05, 2.7539e-02],  
 [1.3786e+01, 1.3212e-02, 8.2571e-01],  
 [6.4114e+01, 5.6762e-01, 1.3707e+00],  
 [2.2844e+02, 3.2832e+00, 4.5069e+00],  
 [3.7965e-02, 3.3337e-07, 5.0951e-03],  
 [3.0804e-01, 5.2914e-05, 3.7795e-02],  
 [6.6171e+01, 1.3231e-01, 1.5041e+00],  
 [2.5820e+00, 8.4647e-04, 2.2034e-01],  
 [2.1551e+00, 9.6015e-04, 1.8760e-01],  
 [1.6175e-01, 1.3512e-05, 1.9753e-02],  
 [8.2775e+00, 1.5982e-02, 5.6224e-01],  
 [6.5777e+01, 1.4954e-01, 1.9533e+00],  
 [6.8085e+01, 8.1322e-01, 1.5753e+00],  
 [1.7338e+02, 3.5357e+00, 3.6282e+00],  
 [3.4317e+01, 5.3839e-01, 1.7358e+00],  
 [2.4697e+00, 8.0471e-04, 1.1891e-01],  
 [1.2718e+00, 2.8677e-04, 1.6284e-01],  
 [7.7972e+00, 7.4662e-02, 8.2784e-01],  
 [5.2054e+01, 1.5954e-01, 1.4616e+00],  
 [1.0447e+01, 1.7596e-02, 5.4483e-01],  
 [1.8334e+01, 3.8511e-02, 8.1433e-01],  
 [1.4104e-01, 6.7975e-07, 1.6108e-02],  
 [1.0501e-01, 1.8246e-06, 1.4287e-02],  
 [6.7156e+01, 9.6945e-01, 1.7395e+00],  
 [5.9512e+01, 1.3773e+00, 3.5369e+00],  
 [7.2314e-01, 5.7419e-05, 4.3951e-02],



[1.4707e-01, 2.3413e-06, 2.0767e-02],  
 [5.1401e-02, 1.0141e-07, 6.9920e-03],  
 [7.0974e+01, 6.1811e-01, 1.3271e+00],  
 [1.8684e+02, 5.8084e+00, 3.6110e+00],  
 [1.3901e-03, 4.8737e-10, 2.2555e-04],  
 [2.8046e+00, 4.1268e-03, 2.4049e-01],  
 [1.8690e-01, 1.9228e-05, 1.8823e-02],  
 [7.9828e+01, 4.7879e-01, 2.5762e+00],  
 [1.0765e+02, 3.8199e-01, 4.2954e+00],  
 [5.9126e-01, 2.8192e-04, 6.8304e-02],  
 [1.1647e-01, 1.6440e-06, 1.4261e-02],  
 [1.3238e+01, 1.4763e-02, 8.7011e-01],  
 [1.0350e-01, 1.3051e-05, 1.5248e-02],  
 [3.2274e-03, 2.4393e-09, 5.2297e-04],  
 [3.5126e+00, 3.8024e-03, 2.6194e-01],  
 [3.5236e+00, 1.4402e-03, 1.7985e-01],  
 [1.5826e+00, 4.5313e-04, 2.0310e-01],  
 [1.2832e+00, 2.0153e-04, 1.2576e-01],  
 [3.0203e+01, 9.7670e-02, 8.0881e-01],  
 [1.1706e-01, 5.2320e-06, 1.4531e-02],  
 [2.2183e+01, 1.3986e-01, 1.4226e+00],  
 [9.5098e+01, 2.8334e+00, 3.8865e+00],  
 [2.2744e+01, 1.4020e-01, 1.1731e+00],  
 [2.6568e-01, 2.7709e-05, 2.8006e-02],  
 [3.2900e+01, 3.9843e-01, 1.7661e+00],  
 [2.8183e-01, 8.3794e-06, 3.2239e-02],  
 [2.9427e+01, 6.3788e-02, 1.7472e+00],  
 [8.0822e-01, 2.1624e-04, 8.4820e-02],  
 [1.0616e+01, 1.9902e-02, 4.3890e-01],  
 [9.5575e+01, 1.5891e+00, 2.4539e+00],  
 [6.2299e-01, 2.4194e-04, 5.6583e-02],  
 [7.3817e+00, 1.6527e-02, 4.7448e-01],  
 [5.0614e+01, 2.6774e-01, 1.7571e+00],  
 [1.4053e+02, 2.4758e-01, 4.5885e+00],  
 [9.1142e+00, 1.3692e-02, 7.2055e-01],  
 [6.8595e-01, 1.3491e-04, 7.3000e-02],  
 [1.0447e+02, 1.1553e+00, 3.0328e+00],  
 [7.0737e+00, 3.9194e-03, 3.9276e-01],  
 [8.3544e+01, 1.7845e+00, 2.7793e+00],  
 [2.1928e+01, 8.0746e-03, 7.1752e-01],  
 [1.2676e+02, 5.1325e+00, 3.6936e+00],  
 [1.3229e+02, 7.0298e-01, 3.6279e+00],  
 [1.2548e+00, 2.2476e-03, 1.5658e-01],  
 [7.2249e+00, 3.3594e-02, 5.5208e-01],  
 [1.2129e-02, 2.3168e-07, 1.9011e-03],  
 [1.3106e+00, 1.6202e-04, 9.9482e-02],  
 [1.7339e+00, 3.1151e-04, 1.0943e-01],  
 [4.7544e-02, 2.3326e-06, 6.6272e-03],

[1.4319e+01, 2.4109e-02, 6.4311e-01],  
 [7.1054e-04, 5.1378e-11, 1.1602e-04],  
 [4.6326e-01, 6.7802e-05, 4.3647e-02],  
 [1.2117e+01, 8.1432e-03, 5.7229e-01],  
 [1.0040e+02, 1.3761e-01, 1.8482e+00],  
 [2.5152e+02, 5.1135e+00, 4.3145e+00],  
 [4.1958e+00, 1.2584e-03, 3.3495e-01],  
 [1.5954e+02, 4.1046e+00, 4.5493e+00],  
 [4.3696e+01, 1.9162e-01, 1.3876e+00],  
 [3.5608e-01, 9.5116e-05, 4.4152e-02],  
 [1.4494e-01, 1.5031e-05, 1.6906e-02],  
 [1.7776e+02, 9.1296e-01, 3.7051e+00],  
 [1.8923e+01, 5.1345e-03, 1.3234e+00],  
 [1.9653e-01, 3.0095e-05, 2.4324e-02],  
 [1.2589e+02, 9.8446e-02, 4.0575e+00],  
 [7.5638e+01, 9.1036e-02, 3.5099e+00],  
 [2.3839e+01, 2.2108e-02, 1.0492e+00],  
 [3.0103e+01, 2.9123e-01, 1.4704e+00],  
 [7.3952e+00, 1.0914e-03, 5.4461e-01],  
 [4.6402e-02, 2.2683e-06, 6.1665e-03],  
 [2.1953e+01, 6.8487e-02, 7.0555e-01],  
 [4.8156e+00, 2.1375e-03, 2.5787e-01],  
 [1.4626e+01, 2.4326e-02, 1.2529e+00],  
 [2.9234e+00, 4.2427e-04, 1.7717e-01],  
 [1.3207e+02, 2.1521e+00, 2.8332e+00],  
 [2.0118e-01, 1.9083e-05, 2.2359e-02],  
 [7.6549e-01, 1.0894e-04, 8.2717e-02],  
 [2.3063e+00, 1.2154e-03, 1.6214e-01],  
 [3.5552e-01, 1.5560e-05, 3.5091e-02],  
 [7.2953e+00, 5.5583e-03, 3.5170e-01],  
 [2.5904e+01, 2.7576e-02, 1.0571e+00],  
 [1.3447e+01, 4.3911e-02, 9.2846e-01],  
 [1.2259e+00, 1.2531e-03, 1.2792e-01],  
 [1.5707e+02, 2.5662e+00, 4.6798e+00],  
 [2.9014e+01, 9.0271e-02, 1.6817e+00],  
 [4.4156e+01, 1.4952e-01, 1.0550e+00],  
 [7.0381e-02, 1.7174e-06, 1.0437e-02],  
 [6.7446e+01, 4.0141e-01, 1.8881e+00],  
 [3.2181e-01, 1.0894e-04, 4.2522e-02],  
 [1.2919e+00, 1.7612e-04, 7.5217e-02],  
 [2.6732e-02, 5.7060e-07, 4.1438e-03],  
 [2.1034e+01, 9.0988e-02, 6.8978e-01],  
 [5.3980e+01, 2.7775e-01, 2.1481e+00],  
 [4.1849e-02, 1.5275e-06, 6.4779e-03],  
 [1.4970e+02, 1.7751e+00, 4.3181e+00],  
 [4.0184e-01, 1.0479e-04, 5.0124e-02],  
 [1.8909e+00, 8.8056e-04, 1.4271e-01],  
 [2.7825e-03, 2.2208e-09, 4.5172e-04],

[2.0739e+01, 6.0481e-02, 1.1365e+00],  
 [3.3969e+01, 3.7459e-01, 9.9074e-01],  
 [2.3338e+02, 4.4152e+00, 4.4652e+00],  
 [1.8087e+01, 5.5871e-02, 6.8034e-01],  
 [4.3078e+01, 4.4693e-02, 1.3006e+00],  
 [1.5964e-01, 5.7217e-06, 1.6551e-02],  
 [5.7861e-01, 5.6385e-05, 4.6399e-02],  
 [5.8562e+01, 4.3835e-02, 2.2361e+00],  
 [7.1903e+00, 1.3254e-02, 4.9088e-01],  
 [9.7356e-01, 3.5784e-04, 9.6733e-02],  
 [1.6233e+01, 5.1754e-03, 1.0119e+00],  
 [6.4345e+00, 4.4970e-04, 3.0360e-01],  
 [4.6585e-01, 3.3150e-05, 3.5018e-02],  
 [1.0789e+00, 5.3224e-04, 1.1027e-01],  
 [6.2864e-02, 1.4280e-06, 8.1920e-03],  
 [1.2000e-01, 1.1963e-05, 1.4569e-02],  
 [2.3997e+01, 9.1361e-02, 6.6008e-01],  
 [8.5101e+01, 1.5887e+00, 2.3385e+00],  
 [6.7583e-02, 1.5289e-06, 8.8886e-03],  
 [8.4250e-01, 1.2680e-04, 5.5945e-02],  
 [4.2515e+01, 1.2182e-01, 2.2921e+00],  
 [3.7296e+01, 3.5390e-01, 1.4636e+00],  
 [8.4430e+01, 5.3028e-01, 3.5729e+00],  
 [1.9730e+00, 4.9096e-04, 1.7400e-01],  
 [7.5347e+00, 1.8805e-02, 5.3918e-01],  
 [1.0788e+01, 4.6551e-03, 6.2132e-01],  
 [1.6976e+00, 6.3061e-04, 1.2254e-01],  
 [3.9868e+01, 4.0934e-01, 1.2495e+00],  
 [1.3575e-01, 9.3606e-06, 1.4479e-02],  
 [4.1467e+01, 1.6778e-01, 9.2469e-01],  
 [6.7144e+00, 3.6898e-03, 3.3585e-01],  
 [7.9027e+01, 8.4182e-01, 1.8665e+00],  
 [2.7003e+01, 3.2805e-02, 1.9575e+00],  
 [6.6427e-01, 1.6673e-05, 7.9484e-02],  
 [1.8014e-01, 4.1059e-06, 2.2650e-02],  
 [1.0013e+00, 3.7553e-04, 8.8319e-02],  
 [3.8137e+01, 2.0252e-01, 1.0345e+00],  
 [1.1925e+02, 2.5246e+00, 3.2622e+00],  
 [6.8570e+01, 2.0371e+00, 3.5526e+00],  
 [1.8628e+02, 5.8875e+00, 3.4099e+00],  
 [6.0703e-02, 2.0516e-06, 8.6686e-03],  
 [2.4547e+02, 6.6345e+00, 4.6355e+00],  
 [5.8065e+00, 1.0231e-02, 5.3932e-01],  
 [7.5079e-03, 7.6580e-08, 1.1609e-03],  
 [3.2873e+00, 2.0241e-03, 1.9232e-01],  
 [3.8849e+01, 5.4717e-01, 1.3957e+00],  
 [1.8609e+01, 1.2806e-01, 1.0346e+00],  
 [1.8765e-01, 2.1615e-05, 2.4151e-02],

[7.0137e-01, 2.9913e-04, 8.0478e-02],  
 [6.0599e+00, 1.9878e-03, 4.2718e-01],  
 [1.8514e+01, 7.9124e-02, 1.0279e+00],  
 [6.5792e-01, 6.4680e-05, 7.9088e-02],  
 [3.9651e+01, 2.0905e-01, 1.6044e+00],  
 [1.8260e-01, 8.4904e-06, 2.3337e-02],  
 [3.4127e-01, 3.3777e-05, 3.2333e-02],  
 [5.9985e-03, 2.5071e-09, 9.5524e-04],  
 [4.3027e+01, 2.3292e-01, 1.6457e+00],  
 [7.6076e+00, 6.0820e-03, 7.5486e-01],  
 [1.6030e+01, 4.9451e-02, 9.2494e-01],  
 [1.9878e+01, 6.9084e-03, 7.4832e-01],  
 [1.1101e+00, 1.7363e-04, 8.0625e-02],  
 [2.8352e+01, 1.6212e-01, 1.4605e+00],  
 [1.8037e-01, 3.7290e-06, 1.8170e-02],  
 [1.1583e+02, 3.8884e-01, 3.8821e+00],  
 [8.1714e+01, 1.5820e+00, 2.3871e+00],  
 [1.1011e+01, 2.3363e-03, 3.5553e-01],  
 [4.3731e+01, 9.9980e-02, 1.1052e+00],  
 [6.5650e+00, 8.2038e-04, 4.5522e-01],  
 [2.4975e+01, 9.7233e-03, 1.3342e+00],  
 [4.8000e+00, 2.2291e-03, 3.8216e-01],  
 [2.0708e+02, 5.5684e+00, 4.1822e+00],  
 [3.2490e-02, 4.2664e-07, 5.0368e-03],  
 [8.6028e+01, 1.8876e+00, 2.0507e+00],  
 [2.1620e+00, 2.2308e-03, 1.9775e-01],  
 [2.4039e-01, 1.1603e-05, 3.0018e-02],  
 [4.4111e-02, 1.3194e-06, 6.3783e-03],  
 [1.3521e+01, 9.2677e-03, 7.5700e-01],  
 [2.4855e+01, 8.0711e-02, 7.7336e-01],  
 [1.2929e+00, 9.1187e-05, 1.1600e-01],  
 [3.1340e-01, 6.7990e-05, 3.4932e-02],  
 [1.2377e-01, 1.5826e-05, 1.6779e-02],  
 [1.3780e+02, 1.4003e+00, 3.8554e+00],  
 [1.1700e-01, 1.6184e-05, 1.4714e-02],  
 [1.2997e+02, 3.1137e+00, 2.9359e+00],  
 [2.2772e+00, 2.6294e-03, 2.5941e-01],  
 [1.5154e+01, 3.1986e-02, 1.1220e+00],  
 [2.2214e+02, 1.2219e+00, 4.5369e+00],  
 [1.0506e+02, 2.6517e+00, 3.0755e+00],  
 [9.8171e+01, 1.2662e+00, 2.8077e+00],  
 [3.0970e+01, 3.8843e-01, 1.4565e+00],  
 [6.0595e+01, 5.3642e-01, 2.8408e+00],  
 [4.1807e-01, 2.0184e-05, 4.6090e-02],  
 [4.5086e+01, 2.0453e-01, 1.2044e+00],  
 [2.8527e-01, 3.7992e-05, 3.4798e-02],  
 [4.5295e-01, 3.3628e-06, 4.2113e-02],  
 [4.0322e+00, 2.3025e-03, 2.0592e-01],

```

[2.1527e+02, 4.5907e+00, 3.8134e+00],
[4.4406e+00, 4.3754e-03, 2.1757e-01],
[1.1064e+01, 4.3224e-02, 8.3187e-01],
[1.3354e+02, 5.0385e-01, 4.0392e+00],
[1.4757e+00, 5.9660e-04, 1.9020e-01],
[8.5702e-02, 5.5396e-06, 1.0895e-02],
[7.7388e+01, 6.3103e-01, 2.9314e+00],
[1.3138e-02, 1.8138e-07, 2.0134e-03],
[8.8972e+01, 7.4603e-01, 1.6178e+00],
[1.1281e+01, 7.5062e-03, 6.4067e-01],
[1.8494e+01, 4.2052e-02, 1.3931e+00],
[3.2632e+00, 5.8869e-03, 3.2361e-01],
[3.6561e+00, 2.2855e-03, 2.8830e-01],
[8.2188e-01, 3.4891e-05, 6.3847e-02],
[2.1617e+02, 7.3613e+00, 3.9374e+00],
[8.1747e+01, 9.6155e-01, 1.8498e+00],
[2.6062e+00, 8.2675e-04, 2.4472e-01],
[3.0663e+00, 4.4342e-04, 2.8064e-01],
[1.1389e+01, 1.9661e-02, 1.0477e+00],
[9.0197e+00, 5.9472e-03, 3.7161e-01]], dtype=torch.float64)
Iteration: 85
Inputs: tensor([[5.3603e+19, 2.6129e+02, 7.4629e+00, 4.4548e+00],
               [4.7839e+18, 3.0651e+02, 1.4116e+01, 6.7552e+00],
               [8.0542e+20, 2.0132e+02, 6.4269e+00, 2.3233e+00],
               ...,
               [4.7230e+18, 1.2720e+02, 1.2397e+01, 8.9069e+00],
               [5.1105e+19, 2.0804e+02, 1.2317e+01, 9.6406e+00],
               [2.7280e+19, 2.0031e+02, 5.9402e+00, 6.9045e+00]], dtype=torch.float64)
Target: tensor([[2.0595e+01, 3.7804e-02, 8.6855e-01],
               [9.2698e-01, 2.9440e-04, 8.3079e-02],
               [9.5106e+01, 2.6656e-01, 3.9313e+00],
               [2.8003e+01, 5.4970e-02, 1.4320e+00],
               [7.0830e+00, 4.9086e-03, 2.8657e-01],
               [3.4872e+00, 3.2615e-03, 2.2226e-01],
               [1.8338e+01, 1.5145e-02, 4.9729e-01],
               [7.5093e-02, 3.4196e-06, 9.0852e-03],
               [5.7364e+00, 1.5720e-03, 2.7532e-01],
               [1.8926e+01, 1.3783e-02, 8.6755e-01],
               [6.7935e+01, 1.5627e+00, 2.9202e+00],
               [8.7884e-02, 4.4189e-07, 1.2725e-02],
               [1.9192e+02, 3.9883e+00, 4.9183e+00],
               [3.9507e+01, 7.0097e-02, 1.6755e+00],
               [2.0102e-03, 2.1240e-09, 3.1977e-04],
               [6.4767e+01, 1.5839e-01, 1.2954e+00],
               [2.9593e-02, 1.2705e-06, 4.3698e-03],
               [1.7977e+01, 6.7669e-02, 1.1515e+00],
               [2.5387e-02, 3.0098e-07, 3.6284e-03],
               [2.9787e-01, 6.0622e-06, 3.7545e-02],

```

[1.8310e-01, 2.4896e-05, 2.4874e-02],  
 [7.3085e-01, 7.5026e-05, 5.0361e-02],  
 [6.5261e-01, 4.8914e-05, 4.3823e-02],  
 [1.4350e+02, 1.4658e+00, 4.5071e+00],  
 [1.0188e+01, 1.8754e-02, 5.7790e-01],  
 [4.6006e+01, 4.6791e-02, 2.0402e+00],  
 [1.4178e-01, 1.5997e-05, 1.6122e-02],  
 [1.4057e+01, 5.0087e-02, 1.0336e+00],  
 [8.5800e+01, 8.8683e-01, 3.2167e+00],  
 [1.1715e+01, 1.0777e-02, 4.0256e-01],  
 [7.6474e+01, 1.3902e+00, 2.6089e+00],  
 [2.4448e+02, 1.4957e+01, 4.7672e+00],  
 [6.9125e+00, 1.2130e-02, 3.5755e-01],  
 [1.0153e+02, 5.1921e-01, 3.3010e+00],  
 [3.2542e+00, 3.0338e-03, 3.7173e-01],  
 [1.3223e-01, 5.1845e-06, 1.5539e-02],  
 [3.5251e-02, 1.4526e-07, 4.7327e-03],  
 [2.0720e+00, 2.2415e-03, 1.8638e-01],  
 [1.1406e+01, 8.4598e-03, 4.5511e-01],  
 [2.4445e+00, 5.0045e-04, 2.0235e-01],  
 [6.7887e+00, 7.4458e-03, 6.1682e-01],  
 [7.6040e-02, 2.4695e-06, 9.3304e-03],  
 [2.7509e-01, 1.9662e-05, 2.4719e-02],  
 [7.0485e-01, 2.1163e-04, 6.9502e-02],  
 [1.4185e+01, 1.7174e-02, 5.5290e-01],  
 [5.0247e+01, 3.1500e-01, 1.7373e+00],  
 [1.8879e+01, 2.2662e-02, 9.0413e-01],  
 [6.0836e+00, 2.7678e-03, 4.1060e-01],  
 [1.8578e-01, 4.3227e-06, 2.4661e-02],  
 [9.2625e+00, 7.6077e-03, 5.4017e-01],  
 [4.2124e+00, 3.9904e-03, 2.7892e-01],  
 [3.5041e+00, 1.0937e-03, 2.5414e-01],  
 [3.4191e-02, 4.5028e-07, 4.6190e-03],  
 [1.2115e+02, 6.3414e-01, 2.4962e+00],  
 [1.9234e+01, 6.0966e-02, 1.2847e+00],  
 [1.5100e+01, 4.8176e-02, 7.6854e-01],  
 [3.3072e-01, 4.5590e-05, 2.9871e-02],  
 [3.4169e-01, 5.5854e-05, 3.6105e-02],  
 [7.8282e+01, 1.0766e+00, 1.5300e+00],  
 [1.3481e+01, 2.5652e-02, 1.0147e+00],  
 [3.4377e+00, 1.2006e-03, 2.2408e-01],  
 [7.7032e-02, 2.9678e-06, 9.5580e-03],  
 [1.5516e+01, 3.4601e-02, 8.0709e-01],  
 [1.3064e+01, 2.7981e-02, 5.7545e-01],  
 [4.7313e+00, 5.5174e-03, 3.0990e-01],  
 [5.6806e+01, 3.9858e-01, 1.4350e+00],  
 [1.0533e+02, 8.3482e-01, 3.8272e+00],  
 [1.7215e+02, 2.4062e+00, 3.8164e+00],

[1.9118e-01, 8.6652e-06, 2.7398e-02],  
 [5.8117e+01, 6.1724e-01, 1.6368e+00],  
 [8.8060e+00, 8.2818e-03, 3.9220e-01],  
 [4.4373e-01, 2.1216e-05, 4.5421e-02],  
 [2.3612e+02, 1.4080e+01, 4.8006e+00],  
 [5.0626e+00, 7.1921e-04, 3.1047e-01],  
 [4.7630e-01, 1.0359e-04, 5.0601e-02],  
 [4.6644e+01, 1.1055e-01, 1.3941e+00],  
 [1.7131e+01, 4.1758e-02, 7.1259e-01],  
 [6.4544e+00, 2.7054e-02, 6.2086e-01],  
 [1.8520e+00, 7.0017e-04, 1.5355e-01],  
 [2.5712e+01, 2.0284e-02, 1.5140e+00],  
 [3.7417e-03, 4.9598e-09, 5.8715e-04],  
 [2.1270e+00, 1.5203e-03, 1.3220e-01],  
 [4.0262e+01, 5.7715e-01, 1.5181e+00],  
 [5.1804e+00, 1.0382e-02, 3.3267e-01],  
 [4.2073e+01, 1.8030e-01, 1.2757e+00],  
 [1.2647e-01, 1.0702e-06, 1.6346e-02],  
 [1.0474e+01, 5.0219e-02, 7.6200e-01],  
 [3.1337e+01, 1.5131e-01, 1.2264e+00],  
 [3.8039e+00, 3.0794e-03, 2.2506e-01],  
 [4.7973e-03, 4.5703e-09, 7.4122e-04],  
 [9.4629e+01, 9.7947e-01, 3.1486e+00],  
 [3.9023e-01, 8.5148e-05, 4.2553e-02],  
 [8.9688e-03, 3.3588e-08, 1.4178e-03],  
 [4.4701e-03, 2.5609e-08, 7.0008e-04],  
 [1.4802e+00, 7.8003e-04, 1.4862e-01],  
 [1.6122e-02, 4.3332e-07, 2.5013e-03],  
 [1.3095e+00, 2.1130e-04, 7.2783e-02],  
 [4.0624e+01, 1.7627e-01, 1.7420e+00],  
 [4.6502e+00, 3.2973e-03, 2.6227e-01],  
 [2.2500e-01, 1.4373e-05, 2.4210e-02],  
 [7.5952e+01, 2.1315e-01, 3.2234e+00],  
 [1.0922e+02, 1.2745e+00, 2.3109e+00],  
 [1.8844e-01, 4.8696e-06, 2.6121e-02],  
 [1.5799e-01, 3.4685e-06, 2.3469e-02],  
 [2.8886e-01, 6.6055e-06, 3.0125e-02],  
 [5.2458e+00, 2.9081e-03, 3.1554e-01],  
 [4.4743e-01, 8.8313e-05, 5.8023e-02],  
 [1.7537e-01, 6.4937e-06, 2.1010e-02],  
 [5.7516e+01, 3.2861e-01, 1.3535e+00],  
 [1.6342e+02, 4.1663e+00, 3.7741e+00],  
 [1.2819e+01, 4.8149e-02, 1.0296e+00],  
 [1.0267e+01, 4.1322e-03, 7.7475e-01],  
 [1.5943e+00, 8.3779e-05, 1.0101e-01],  
 [4.3567e+01, 4.8526e-02, 2.0105e+00],  
 [7.1139e-01, 2.4728e-04, 6.2715e-02],  
 [1.5312e+02, 5.3215e+00, 3.1386e+00],

[7.3465e+00, 1.7610e-03, 4.6938e-01],  
 [3.1759e-01, 1.7675e-05, 3.0833e-02],  
 [2.3962e-02, 9.3740e-08, 3.4787e-03],  
 [5.8012e-02, 7.0073e-07, 8.1715e-03],  
 [7.5219e-03, 7.1951e-09, 1.1537e-03],  
 [2.6446e+00, 4.1664e-03, 2.7802e-01],  
 [1.4098e+01, 8.1947e-02, 1.1521e+00],  
 [8.8477e-01, 1.9093e-04, 7.4979e-02],  
 [4.6527e+01, 2.4178e-02, 1.3640e+00],  
 [5.0686e-01, 1.3286e-05, 4.1448e-02],  
 [1.2763e-02, 1.5559e-07, 1.9120e-03],  
 [2.8444e+01, 1.9587e-01, 1.3108e+00],  
 [1.6243e+02, 4.0709e+00, 2.8848e+00],  
 [1.3911e+01, 3.7712e-02, 5.0669e-01],  
 [2.1822e+02, 1.4091e+00, 4.7206e+00],  
 [2.2263e+01, 1.0721e-01, 8.7299e-01],  
 [2.5263e+00, 2.7746e-04, 2.3137e-01],  
 [1.2316e-01, 4.6112e-06, 1.3825e-02],  
 [3.3284e+01, 3.7632e-01, 1.2875e+00],  
 [1.6659e+02, 1.8625e-01, 4.8127e+00],  
 [6.3734e-01, 1.2103e-04, 6.2203e-02],  
 [3.7163e-02, 3.5517e-07, 5.6838e-03],  
 [3.9377e+00, 1.6375e-03, 4.3464e-01],  
 [3.3116e-01, 6.7318e-06, 4.1504e-02],  
 [7.9495e+01, 2.8121e-01, 1.9677e+00],  
 [8.1577e+00, 8.2155e-03, 6.0046e-01],  
 [1.5001e+00, 1.6009e-03, 1.4323e-01],  
 [1.2377e-01, 5.0646e-06, 1.6523e-02],  
 [1.8155e+01, 3.1540e-01, 1.5691e+00],  
 [1.2356e+01, 6.5377e-02, 6.2609e-01],  
 [6.0126e+00, 3.0642e-02, 6.9053e-01],  
 [5.7236e+01, 1.2558e+00, 2.6079e+00],  
 [1.8774e+02, 4.5183e+00, 4.4000e+00],  
 [6.4236e-01, 1.1231e-04, 6.1853e-02],  
 [4.4620e-02, 2.5383e-07, 6.6407e-03],  
 [5.0616e+01, 5.7424e-01, 1.7760e+00],  
 [1.5534e-01, 7.8603e-06, 1.6991e-02],  
 [6.9900e+00, 2.5554e-03, 4.8582e-01],  
 [1.9634e-02, 2.6401e-07, 3.0321e-03],  
 [5.8264e-01, 2.3069e-05, 7.3749e-02],  
 [1.6386e-01, 2.5355e-05, 1.9691e-02],  
 [4.7466e+00, 1.3668e-02, 4.6406e-01],  
 [8.1888e+01, 6.1791e-01, 3.0727e+00],  
 [5.6947e-03, 9.7337e-09, 9.1464e-04],  
 [3.1580e+00, 7.3962e-03, 4.1285e-01],  
 [1.7371e+00, 1.2655e-03, 1.5091e-01],  
 [2.5302e-01, 1.3231e-05, 3.8169e-02],  
 [3.7213e+01, 1.9051e-01, 1.3171e+00],



[5.4591e-01, 5.4772e-05, 5.7843e-02],  
 [3.0563e+00, 2.9455e-03, 2.2259e-01],  
 [3.8774e+01, 1.9356e-01, 1.8022e+00],  
 [1.5279e-01, 5.7178e-06, 1.8783e-02],  
 [1.0396e+01, 4.6838e-03, 7.1392e-01],  
 [1.6177e+02, 1.9843e+00, 3.0140e+00],  
 [5.9467e+00, 9.3413e-03, 6.8463e-01],  
 [1.0980e+00, 1.4453e-03, 1.2385e-01],  
 [1.0532e+02, 9.2924e-01, 4.0143e+00],  
 [3.5084e-02, 1.4429e-06, 4.8248e-03],  
 [8.4151e+00, 4.1178e-03, 6.1908e-01],  
 [5.7355e-02, 1.6488e-06, 7.6446e-03],  
 [3.7199e+01, 2.5802e-01, 1.6002e+00],  
 [1.8265e+00, 2.1957e-04, 1.1791e-01],  
 [7.4974e-03, 1.2757e-08, 1.1408e-03],  
 [5.7140e-01, 3.0131e-04, 7.8482e-02],  
 [5.8756e-01, 1.5717e-04, 4.6183e-02],  
 [8.4506e+00, 8.3186e-03, 5.9242e-01],  
 [2.3595e+00, 4.6537e-05, 1.4604e-01],  
 [9.6062e+01, 1.7381e+00, 3.6518e+00],  
 [1.2033e+02, 2.3301e+00, 3.8560e+00],  
 [3.0399e+00, 4.5663e-03, 2.4862e-01],  
 [5.9556e+01, 7.8267e-01, 1.9267e+00],  
 [8.4949e+01, 1.8871e-01, 3.1879e+00],  
 [1.2603e+00, 6.7695e-04, 1.0380e-01],  
 [1.1459e-02, 2.9758e-08, 1.7584e-03],  
 [4.4650e-02, 1.8856e-06, 5.8750e-03],  
 [1.0368e+02, 2.4813e-01, 3.0703e+00],  
 [1.7076e+00, 1.0339e-03, 1.8936e-01],  
 [4.3227e+00, 7.2991e-03, 3.0328e-01],  
 [2.0060e+01, 4.2116e-02, 8.6491e-01],  
 [4.3066e-01, 7.9415e-05, 5.3317e-02],  
 [8.5959e+01, 8.3998e-01, 3.1776e+00],  
 [4.3967e-01, 2.5416e-05, 4.7336e-02],  
 [2.6241e+01, 3.2980e-03, 8.3058e-01],  
 [6.5505e+00, 5.1585e-04, 4.2139e-01],  
 [1.6018e+01, 2.7641e-02, 8.5882e-01],  
 [1.1325e+01, 5.7532e-02, 6.3116e-01],  
 [2.5947e+00, 1.5664e-03, 2.7615e-01],  
 [1.0768e+02, 2.4358e+00, 2.5106e+00],  
 [1.3784e-01, 1.5810e-05, 1.6234e-02],  
 [3.4896e+01, 1.0782e-01, 1.2913e+00],  
 [4.5309e+01, 2.1245e-01, 1.7261e+00],  
 [3.6258e+00, 3.5808e-03, 2.8444e-01],  
 [1.2177e-01, 5.9136e-07, 1.4693e-02],  
 [4.3259e+01, 1.6981e-02, 1.9457e+00],  
 [2.9593e+00, 1.6098e-03, 1.4612e-01],  
 [4.8616e+01, 5.4943e-01, 1.6737e+00],

[5.3422e+00, 5.2670e-04, 2.5737e-01],  
[2.3678e+01, 4.9440e-02, 1.1039e+00],  
[4.1596e+00, 2.8748e-03, 2.7534e-01],  
[2.7293e+01, 8.0389e-02, 1.4482e+00],  
[7.6531e+00, 6.5592e-03, 4.4435e-01],  
[1.2550e+00, 1.3545e-04, 6.3450e-02],  
[3.8065e+01, 5.7373e-02, 2.7941e+00],  
[2.5316e+01, 7.1469e-02, 2.0581e+00],  
[2.1805e+01, 1.2166e-02, 1.3892e+00],  
[1.2777e+00, 2.6087e-05, 1.1153e-01],  
[1.5466e+01, 9.3544e-02, 7.5606e-01],  
[7.1618e-01, 5.9644e-04, 8.4334e-02],  
[2.8330e+00, 9.6987e-04, 1.4606e-01],  
[2.9696e+01, 3.5896e-02, 1.0747e+00],  
[3.9652e+01, 1.4414e-01, 1.4047e+00],  
[9.3600e+01, 1.0685e+00, 3.0949e+00],  
[3.0908e+01, 3.5168e-01, 1.0070e+00],  
[3.7404e-01, 6.6839e-05, 3.8662e-02],  
[5.1582e+01, 6.1512e-01, 1.6974e+00],  
[1.3440e+00, 2.2470e-04, 9.2367e-02],  
[4.2603e-01, 3.9571e-05, 3.3594e-02],  
[1.1864e+02, 2.8342e+00, 3.1755e+00],  
[7.6849e+01, 5.2324e-01, 3.0596e+00],  
[1.4872e+00, 2.7947e-04, 1.2786e-01],  
[1.6857e+02, 6.4467e+00, 3.3946e+00],  
[6.1650e-01, 1.0082e-04, 7.5172e-02],  
[1.9713e-01, 1.4684e-05, 2.1534e-02],  
[3.1404e+01, 2.3903e-01, 1.2309e+00],  
[4.5763e+00, 3.8700e-03, 2.0416e-01],  
[1.4550e+02, 2.2321e+00, 4.2684e+00],  
[1.7200e+01, 3.6669e-02, 6.6868e-01],  
[9.6227e+01, 1.4678e-01, 1.7422e+00],  
[9.8556e+00, 1.2767e-02, 4.7847e-01],  
[6.7563e+00, 7.9811e-03, 5.4563e-01],  
[4.9351e+00, 8.0506e-04, 2.2114e-01],  
[4.5279e+00, 1.7534e-03, 5.5390e-01],  
[1.1427e+01, 3.4829e-02, 6.7846e-01],  
[7.4482e+00, 1.6677e-02, 4.4591e-01],  
[2.2150e+01, 2.4156e-03, 1.2920e+00],  
[6.6551e-02, 4.5171e-06, 9.3789e-03],  
[6.1146e+01, 2.9911e-01, 3.5783e+00],  
[1.6312e+00, 5.5443e-04, 1.5119e-01],  
[6.8476e+01, 1.2275e-01, 1.9439e+00],  
[2.8183e-02, 9.7193e-07, 3.9306e-03],  
[1.3681e-01, 4.5963e-06, 1.7071e-02],  
[1.3564e+00, 1.4194e-04, 1.1952e-01],  
[1.7274e-01, 2.6455e-06, 1.9496e-02],  
[3.8046e-01, 6.3739e-05, 3.4869e-02],

[9.0122e-01, 2.3367e-04, 1.0725e-01],  
 [5.7508e-02, 6.4845e-07, 7.7285e-03],  
 [7.7042e+00, 3.7877e-02, 6.4847e-01],  
 [2.1197e-01, 1.7816e-05, 2.1095e-02],  
 [1.4958e+02, 3.3304e+00, 4.3308e+00],  
 [4.4293e-01, 3.4231e-05, 4.5510e-02],  
 [1.2632e+00, 2.4051e-03, 1.5247e-01],  
 [2.1128e-02, 6.4172e-07, 3.0317e-03],  
 [2.6983e-01, 2.7627e-05, 2.5568e-02],  
 [4.8577e-02, 4.0350e-07, 7.3131e-03],  
 [6.2405e-01, 1.0816e-04, 5.1425e-02],  
 [1.2722e-01, 1.6476e-05, 1.7182e-02],  
 [1.6593e-01, 6.3095e-06, 2.1751e-02],  
 [2.4736e-02, 9.9271e-08, 3.6531e-03],  
 [1.7742e-01, 9.9026e-07, 2.0991e-02],  
 [4.8978e-01, 1.9668e-04, 5.9605e-02],  
 [2.5817e-01, 3.2144e-05, 2.7903e-02],  
 [6.5472e+01, 3.2954e-01, 3.3752e+00],  
 [1.1299e+00, 2.5388e-04, 1.0715e-01],  
 [3.2338e+00, 2.3277e-03, 3.9519e-01],  
 [2.1578e+00, 2.4155e-04, 2.0004e-01],  
 [5.5882e+00, 1.2459e-02, 6.5130e-01],  
 [1.1337e+00, 3.7522e-04, 8.6845e-02],  
 [9.5259e-02, 2.7336e-06, 1.3063e-02],  
 [2.8396e-02, 6.5674e-07, 4.1332e-03],  
 [1.8714e-01, 1.2577e-05, 2.1054e-02],  
 [1.8824e+01, 2.6590e-03, 6.3726e-01],  
 [9.2960e+00, 4.1377e-02, 4.8623e-01],  
 [8.2529e-02, 5.5511e-06, 1.1032e-02],  
 [8.0164e+01, 1.3610e+00, 2.1429e+00],  
 [1.0876e-01, 2.0446e-06, 1.6009e-02],  
 [9.6836e+01, 2.8280e-01, 2.6191e+00],  
 [2.6757e-02, 4.2900e-07, 3.8443e-03],  
 [9.6645e-01, 2.9851e-04, 8.8652e-02],  
 [2.2547e+01, 2.8750e-02, 9.9185e-01],  
 [2.1741e+01, 4.8696e-02, 7.5154e-01],  
 [4.3655e+01, 3.6812e-01, 1.0859e+00],  
 [7.1304e+01, 8.0068e-01, 1.9732e+00],  
 [1.8597e+02, 8.7233e+00, 3.8253e+00],  
 [6.7291e-01, 1.5219e-04, 5.2139e-02],  
 [6.5469e+01, 3.4747e-01, 2.1974e+00],  
 [1.0530e+00, 1.4526e-04, 1.2809e-01],  
 [5.9459e-01, 7.5311e-05, 4.8995e-02],  
 [2.7662e-01, 1.3483e-05, 2.7479e-02],  
 [2.3011e+00, 2.2146e-04, 1.4495e-01],  
 [5.4074e+01, 3.1835e-01, 1.3452e+00],  
 [5.0225e+01, 2.2797e-01, 2.0984e+00],  
 [1.1110e+01, 4.0291e-02, 6.5131e-01],

```

[7.3818e-02, 5.6254e-06, 1.0189e-02],
[2.9283e+01, 3.0635e-01, 1.5042e+00],
[6.6840e+01, 1.2740e+00, 2.2073e+00],
[8.5667e+01, 6.1991e-02, 2.8546e+00],
[1.3874e+02, 4.8556e+00, 3.0267e+00],
[1.3491e+01, 3.8683e-02, 8.4026e-01],
[9.1055e+00, 1.2666e-02, 4.5826e-01],
[5.7434e+00, 3.0093e-02, 4.8367e-01],
[3.9503e+01, 8.6057e-02, 2.6409e+00],
[3.2453e-01, 7.8015e-05, 3.8088e-02],
[1.8314e+01, 1.2419e-01, 8.2174e-01],
[1.0325e+01, 1.5807e-02, 5.2370e-01]], dtype=torch.float64)
Iteration: 86
Inputs: tensor([[1.9724e+19, 4.8299e+02, 4.7606e+00, 4.2551e+00],
[7.0024e+20, 1.8986e+02, 3.1571e+00, 1.9698e+00],
[1.9349e+20, 1.1512e+02, 1.5264e+01, 7.9404e+00],
...,
[5.6415e+18, 4.3373e+01, 1.8295e+01, 8.4867e+00],
[3.3738e+18, 1.2011e+02, 3.7583e+00, 7.2211e+00],
[7.4229e+18, 1.3316e+02, 2.7153e+00, 1.8009e+00]], dtype=torch.float64)
Target: tensor([[1.3965e+01, 8.7477e-03, 4.9398e-01],
[1.1039e+02, 1.6087e-01, 3.8619e+00],
[2.3374e+01, 2.2395e-01, 1.4422e+00],
[4.1312e+00, 3.3414e-03, 3.2408e-01],
[2.0447e-02, 3.3342e-07, 3.1789e-03],
[7.7281e-03, 1.3103e-08, 1.2202e-03],
[3.9007e+00, 1.1547e-03, 3.4438e-01],
[7.0283e+00, 6.8003e-03, 4.2996e-01],
[5.2640e+00, 7.2384e-03, 2.8218e-01],
[1.6234e+01, 6.9149e-02, 7.3002e-01],
[8.4584e+01, 5.2549e-01, 2.5420e+00],
[9.8332e+00, 2.3188e-02, 8.5477e-01],
[4.9508e-01, 2.0585e-05, 4.3944e-02],
[1.6495e+02, 2.1620e+00, 3.8031e+00],
[6.0853e+00, 3.3730e-03, 3.2028e-01],
[5.9735e+00, 2.3048e-03, 2.7270e-01],
[3.3099e-01, 2.6570e-05, 2.9589e-02],
[5.2450e+00, 3.2077e-03, 5.1226e-01],
[1.4212e-01, 1.2117e-05, 1.8768e-02],
[5.6887e-01, 4.9733e-05, 6.3673e-02],
[1.7920e+00, 1.5956e-05, 1.2217e-01],
[8.4403e+01, 1.0404e+00, 2.3476e+00],
[4.1196e-01, 6.8841e-05, 4.4354e-02],
[2.6757e+01, 2.5558e-01, 1.6648e+00],
[1.3539e+02, 2.8750e-01, 2.8309e+00],
[1.2442e+01, 1.8236e-03, 7.3218e-01],
[3.1947e+01, 2.1926e-01, 1.2915e+00],
[9.5066e-01, 4.1178e-04, 9.4035e-02],

```

[1.8476e+02, 9.2477e+00, 4.8297e+00],  
 [5.3075e+00, 3.2618e-03, 3.8609e-01],  
 [5.0612e-01, 4.7797e-05, 5.8574e-02],  
 [8.6214e-01, 2.5731e-04, 8.2951e-02],  
 [8.0308e-01, 2.5780e-04, 1.1477e-01],  
 [3.4639e+01, 7.1610e-02, 9.4948e-01],  
 [2.4023e+01, 1.9497e-01, 1.3391e+00],  
 [2.4159e+01, 9.9181e-03, 7.5070e-01],  
 [3.4230e-02, 1.6712e-07, 4.7184e-03],  
 [5.0409e-01, 2.3247e-05, 5.2318e-02],  
 [5.7028e-02, 3.0194e-06, 7.5566e-03],  
 [1.1253e+00, 7.0954e-04, 9.2805e-02],  
 [2.7227e+01, 1.0475e-01, 1.1837e+00],  
 [1.0142e-01, 6.7786e-06, 1.3369e-02],  
 [5.0597e-01, 5.3564e-05, 4.5986e-02],  
 [1.0775e-01, 4.2587e-06, 1.2271e-02],  
 [4.1786e+01, 2.1176e-01, 1.9741e+00],  
 [6.9987e+00, 2.0983e-02, 3.7102e-01],  
 [7.4469e+01, 2.3357e-01, 3.1733e+00],  
 [1.1519e+01, 3.7335e-02, 4.6791e-01],  
 [7.8656e-01, 9.6241e-05, 6.3276e-02],  
 [7.2665e+01, 1.7125e+00, 1.8488e+00],  
 [3.7386e-01, 6.1143e-05, 3.4905e-02],  
 [5.2945e-02, 3.6092e-07, 7.2035e-03],  
 [2.8129e+02, 1.2572e+01, 4.8967e+00],  
 [5.4256e+01, 1.2847e-01, 2.9047e+00],  
 [1.7691e+02, 3.2436e+00, 3.7689e+00],  
 [1.9516e+00, 2.7853e-04, 1.0980e-01],  
 [1.3894e-01, 1.2973e-05, 1.7889e-02],  
 [7.5256e+01, 1.3474e-01, 1.5086e+00],  
 [1.1562e+02, 6.0185e-01, 2.5042e+00],  
 [1.1123e+01, 1.3717e-02, 6.0507e-01],  
 [1.1269e+00, 4.3757e-04, 1.0498e-01],  
 [7.6931e+00, 4.0227e-03, 6.5796e-01],  
 [4.8369e-01, 5.0686e-05, 4.2165e-02],  
 [1.1628e+02, 2.8085e+00, 4.2817e+00],  
 [3.2768e+00, 1.0813e-03, 2.8937e-01],  
 [5.7011e+01, 8.7313e-01, 2.5208e+00],  
 [2.1186e+01, 3.4936e-02, 7.4200e-01],  
 [1.4133e+01, 2.0041e-02, 6.3935e-01],  
 [1.3573e+01, 2.6376e-02, 7.4775e-01],  
 [2.0036e+00, 9.6912e-04, 2.4726e-01],  
 [1.1143e+01, 3.7834e-02, 5.6679e-01],  
 [1.3264e+02, 4.7835e+00, 3.7239e+00],  
 [2.6581e-01, 7.8109e-05, 3.6268e-02],  
 [3.8799e-01, 4.1232e-06, 3.3080e-02],  
 [5.4585e+00, 4.0209e-03, 5.1450e-01],  
 [2.8493e+00, 3.5904e-03, 2.7712e-01],

[4.8982e+00, 1.7538e-03, 2.8319e-01],  
[2.0136e+02, 2.6840e+00, 4.1924e+00],  
[2.6091e+01, 9.3304e-02, 1.3287e+00],  
[2.1728e+02, 5.7953e+00, 4.8124e+00],  
[5.1036e+01, 5.4070e-01, 3.3121e+00],  
[2.2007e+01, 1.9433e-02, 1.5780e+00],  
[3.0022e+01, 2.0305e-01, 1.1388e+00],  
[5.6283e+01, 1.5886e-01, 2.2129e+00],  
[2.5460e+01, 2.5216e-01, 1.6335e+00],  
[1.3015e+00, 8.6930e-04, 1.6477e-01],  
[3.5684e-01, 1.6029e-05, 2.8812e-02],  
[1.5338e+01, 2.3498e-03, 7.4751e-01],  
[8.9342e+01, 6.7001e-02, 3.5711e+00],  
[1.6526e+00, 1.7438e-03, 1.4369e-01],  
[9.7326e+01, 1.9066e+00, 2.3128e+00],  
[5.9360e+00, 3.4781e-03, 4.4136e-01],  
[3.1970e+01, 1.3413e-01, 1.7744e+00],  
[5.3597e+00, 8.0327e-03, 4.6209e-01],  
[2.3154e-01, 2.0745e-05, 2.4945e-02],  
[1.9432e-01, 2.3455e-06, 2.0631e-02],  
[1.5039e+01, 4.4546e-02, 1.0435e+00],  
[4.0534e+00, 5.6135e-03, 3.2518e-01],  
[3.8802e-02, 7.3929e-07, 5.5019e-03],  
[4.3277e+01, 6.9142e-01, 1.4796e+00],  
[1.3811e+01, 4.6172e-02, 6.4705e-01],  
[1.3839e+02, 4.1705e+00, 3.0755e+00],  
[9.6216e-01, 4.4073e-05, 8.2732e-02],  
[5.6808e-01, 2.1877e-05, 5.6697e-02],  
[2.2603e+01, 6.5920e-02, 6.6731e-01],  
[4.5766e+00, 2.2071e-03, 3.3383e-01],  
[7.1500e+00, 3.2695e-02, 7.2287e-01],  
[3.6345e+00, 4.8688e-03, 3.3045e-01],  
[1.4022e-01, 2.7224e-07, 1.7838e-02],  
[2.2518e+00, 1.7805e-03, 1.9916e-01],  
[4.7645e-01, 2.7450e-05, 6.2112e-02],  
[6.2361e-01, 1.4127e-05, 6.9359e-02],  
[1.0823e+02, 3.8381e-01, 3.6836e+00],  
[4.5648e-01, 8.7127e-05, 4.6174e-02],  
[1.4921e+01, 3.6500e-02, 6.4236e-01],  
[4.0476e+00, 6.9022e-03, 2.6555e-01],  
[1.5934e+01, 1.0391e-01, 6.4442e-01],  
[4.3320e+01, 1.6254e-01, 2.0381e+00],  
[5.0653e-04, 9.1936e-11, 8.2564e-05],  
[2.1098e+01, 9.0513e-02, 1.1620e+00],  
[1.5161e+01, 4.2761e-02, 7.4248e-01],  
[3.8640e+00, 2.3945e-03, 2.0628e-01],  
[1.2788e+00, 2.8813e-04, 9.6589e-02],  
[5.9256e+01, 2.2760e-01, 1.3836e+00],

[6.7325e+01, 8.3970e-02, 2.1628e+00],  
 [2.7645e-01, 6.8444e-06, 3.5777e-02],  
 [4.3075e-02, 6.9921e-07, 5.6774e-03],  
 [8.0198e+01, 6.7764e-01, 2.9431e+00],  
 [3.7470e-01, 1.8294e-05, 4.4240e-02],  
 [8.9938e+01, 8.1072e-01, 2.2714e+00],  
 [1.4110e+00, 5.1948e-04, 1.1243e-01],  
 [6.1777e-01, 2.5742e-04, 7.2909e-02],  
 [1.2775e+02, 2.0830e+00, 2.4813e+00],  
 [7.8271e+01, 5.9475e-01, 1.9723e+00],  
 [1.9439e+02, 6.3564e+00, 3.9434e+00],  
 [4.8305e-01, 2.5905e-05, 5.4370e-02],  
 [1.9313e+00, 5.9320e-04, 1.2156e-01],  
 [1.2173e+02, 1.4834e+00, 2.7789e+00],  
 [1.4082e-01, 1.2872e-05, 1.6655e-02],  
 [2.7879e-01, 4.2544e-05, 3.8658e-02],  
 [4.8026e+01, 2.2359e-01, 2.3004e+00],  
 [1.8047e+01, 1.5233e-02, 1.1010e+00],  
 [3.0454e-01, 2.5270e-05, 4.5415e-02],  
 [1.0671e+01, 8.6060e-03, 7.2952e-01],  
 [2.4047e-01, 3.4906e-05, 2.8044e-02],  
 [1.7323e-02, 2.3676e-08, 2.5066e-03],  
 [4.6588e+01, 1.4307e-01, 1.2721e+00],  
 [6.4607e-02, 3.0434e-07, 8.5676e-03],  
 [5.4563e+00, 2.3753e-02, 4.5790e-01],  
 [2.6718e+00, 1.6310e-03, 3.1783e-01],  
 [2.5514e+01, 1.1466e-01, 6.9901e-01],  
 [5.6156e+00, 1.2342e-03, 4.3259e-01],  
 [9.4726e-01, 1.1464e-05, 9.3360e-02],  
 [1.0678e+02, 3.5166e+00, 3.3333e+00],  
 [1.6069e+01, 1.7975e-02, 5.4472e-01],  
 [1.2371e+02, 1.7276e+00, 2.1972e+00],  
 [6.5103e+01, 3.4329e-01, 2.5288e+00],  
 [2.1708e-01, 1.8112e-05, 2.5252e-02],  
 [2.1433e+01, 1.0700e-02, 8.9679e-01],  
 [5.6729e+00, 7.3585e-03, 6.4889e-01],  
 [1.4640e+00, 5.0164e-04, 1.1558e-01],  
 [8.9053e-01, 9.7804e-05, 8.4731e-02],  
 [1.8420e-01, 7.3404e-06, 2.6423e-02],  
 [1.7018e+00, 5.3546e-04, 1.8130e-01],  
 [1.2327e+02, 8.0482e-01, 3.3300e+00],  
 [5.6175e-02, 1.7465e-07, 7.6262e-03],  
 [3.9296e-02, 1.7599e-06, 6.0246e-03],  
 [2.0385e+01, 3.1912e-02, 7.5684e-01],  
 [1.0155e+02, 2.2632e+00, 2.5872e+00],  
 [6.6703e+01, 6.6120e-01, 2.1115e+00],  
 [9.0713e+01, 1.6507e+00, 4.1141e+00],  
 [4.4468e+01, 5.6510e-01, 1.7677e+00],

[3.7882e+00, 6.7728e-04, 2.0162e-01],  
[2.8653e+01, 3.1035e-01, 9.2610e-01],  
[6.7283e-03, 1.3829e-08, 1.0664e-03],  
[3.4882e-03, 1.6365e-08, 5.4668e-04],  
[1.7409e+01, 6.7920e-02, 1.0107e+00],  
[3.5543e-01, 3.0770e-05, 4.1603e-02],  
[4.1385e-01, 3.6371e-05, 4.2030e-02],  
[1.3217e+02, 3.1609e+00, 4.0509e+00],  
[1.1804e+01, 2.4591e-02, 7.5859e-01],  
[9.6232e-02, 4.2937e-06, 1.4199e-02],  
[2.4819e+02, 1.2588e+00, 4.7758e+00],  
[4.0577e+00, 1.1056e-03, 1.9138e-01],  
[1.1684e+02, 2.5351e+00, 3.3713e+00],  
[3.1572e+01, 1.6612e-02, 8.7976e-01],  
[7.1175e+00, 9.7345e-03, 5.7891e-01],  
[2.0267e+02, 9.0055e+00, 4.0608e+00],  
[1.5428e+01, 2.3431e-02, 6.4578e-01],  
[6.1750e+00, 6.5518e-04, 2.6987e-01],  
[2.0691e+01, 3.9390e-02, 8.8001e-01],  
[1.1938e+02, 1.5310e+00, 3.9998e+00],  
[1.1115e+01, 1.5344e-02, 5.5709e-01],  
[6.7097e+01, 1.1598e+00, 1.8082e+00],  
[1.7364e-01, 1.3475e-05, 1.9488e-02],  
[5.7119e+01, 7.2793e-01, 1.9237e+00],  
[2.5891e-02, 8.2877e-07, 3.6333e-03],  
[7.0165e-02, 4.0398e-07, 9.2636e-03],  
[3.9336e+00, 1.9771e-03, 2.2144e-01],  
[3.7472e-02, 6.3923e-07, 5.4993e-03],  
[6.8201e-02, 3.7980e-07, 8.8939e-03],  
[9.6244e+01, 3.4634e-02, 2.2564e+00],  
[4.2510e+01, 1.6566e-02, 1.0677e+00],  
[9.9095e-01, 1.0279e-04, 5.7249e-02],  
[2.8205e-02, 6.4098e-07, 4.4210e-03],  
[2.8776e+00, 3.3247e-03, 3.3688e-01],  
[2.6955e+01, 1.5219e-01, 1.0236e+00],  
[6.1820e+00, 3.9590e-02, 6.2903e-01],  
[1.2721e+02, 9.3023e-01, 3.0804e+00],  
[1.4644e+01, 6.8039e-02, 7.0729e-01],  
[3.7096e-01, 1.7106e-05, 4.2758e-02],  
[1.0556e+02, 6.4695e-01, 2.0429e+00],  
[4.2857e-01, 2.7247e-05, 4.8091e-02],  
[1.8309e+02, 7.3396e+00, 4.4097e+00],  
[4.6702e+00, 6.2393e-03, 2.8727e-01],  
[7.8599e-01, 1.0066e-04, 5.7712e-02],  
[1.4558e-01, 7.2864e-06, 1.5447e-02],  
[7.5708e-01, 4.8123e-04, 7.7636e-02],  
[3.0854e+01, 2.7246e-01, 1.0449e+00],  
[2.2392e-02, 7.3079e-08, 3.3727e-03],



[3.0981e+01, 1.4859e-01, 1.1182e+00],  
[4.7319e+01, 4.3731e-01, 1.9905e+00],  
[1.2893e+01, 1.1310e-02, 1.0337e+00],  
[1.6976e+01, 3.0156e-02, 7.4700e-01],  
[6.8994e-02, 2.0165e-06, 9.1018e-03],  
[4.1899e+00, 4.3587e-03, 3.3578e-01],  
[4.3458e-02, 2.3953e-06, 6.1763e-03],  
[6.3744e-01, 1.0984e-04, 5.5421e-02],  
[4.1584e+00, 2.6057e-03, 2.6323e-01],  
[4.7693e+01, 3.5473e-01, 1.7871e+00],  
[1.1987e+00, 1.1020e-04, 1.3154e-01],  
[5.8437e+01, 4.1765e-01, 1.8710e+00],  
[9.7626e+01, 2.6932e-01, 2.1011e+00],  
[3.0211e+01, 6.9187e-02, 2.4547e+00],  
[7.7420e+00, 1.1903e-02, 7.0728e-01],  
[2.0559e+00, 4.4736e-04, 1.3997e-01],  
[2.7652e-01, 2.4234e-05, 3.3339e-02],  
[3.8240e+00, 7.9138e-03, 2.9413e-01],  
[3.0577e+00, 8.1777e-04, 2.2639e-01],  
[7.2997e+01, 1.0178e+00, 2.1372e+00],  
[1.8743e-01, 7.2093e-06, 2.1084e-02],  
[6.2137e-01, 1.2852e-05, 7.4467e-02],  
[1.4799e+01, 3.6327e-02, 5.9714e-01],  
[3.3917e-01, 1.2000e-04, 4.5493e-02],  
[1.3606e+00, 6.7737e-04, 9.9646e-02],  
[9.9997e-02, 9.6299e-06, 1.4062e-02],  
[3.4337e+00, 3.2479e-03, 4.6040e-01],  
[1.0865e+02, 1.0899e+00, 2.1477e+00],  
[1.4454e+00, 9.0571e-04, 1.5371e-01],  
[3.0773e+01, 4.0363e-02, 1.5736e+00],  
[1.2550e+02, 3.3505e+00, 3.3106e+00],  
[3.7313e+00, 3.7754e-04, 1.8981e-01],  
[1.8835e+01, 9.5056e-02, 7.3084e-01],  
[5.9726e-03, 1.2333e-08, 9.2346e-04],  
[1.9617e+01, 1.1032e-01, 1.1276e+00],  
[5.6429e-01, 2.7449e-04, 5.9284e-02],  
[2.3467e+01, 1.2989e-01, 1.1923e+00],  
[1.1021e+01, 4.6140e-03, 7.7565e-01],  
[3.0296e+01, 3.3636e-01, 2.0149e+00],  
[8.3171e-01, 1.4193e-04, 1.1185e-01],  
[6.5662e-01, 1.7314e-04, 7.5179e-02],  
[6.0892e+01, 7.5824e-02, 3.1806e+00],  
[6.3090e+01, 7.8788e-01, 2.7632e+00],  
[1.9852e+01, 2.9599e-02, 1.3107e+00],  
[7.8260e+01, 1.1295e+00, 1.9634e+00],  
[6.6579e-02, 2.3122e-07, 9.3959e-03],  
[1.2505e-01, 4.9101e-06, 1.5026e-02],  
[7.0957e-03, 5.7002e-08, 1.0824e-03],

[1.5985e+01, 6.1337e-02, 7.1159e-01],  
[5.4964e+01, 3.7534e-01, 1.3134e+00],  
[1.1544e+00, 2.3915e-04, 1.1778e-01],  
[1.8073e-01, 3.9191e-06, 1.9357e-02],  
[1.8792e-01, 2.9321e-06, 2.5316e-02],  
[1.8241e+00, 5.8900e-04, 1.5406e-01],  
[9.1497e+01, 2.0544e+00, 3.4624e+00],  
[2.9359e-01, 6.5988e-06, 4.0352e-02],  
[9.7181e-03, 8.0888e-09, 1.4577e-03],  
[2.3102e-01, 3.1071e-06, 2.8059e-02],  
[2.2341e-01, 2.2199e-05, 2.2756e-02],  
[3.6298e+00, 6.4102e-03, 2.3469e-01],  
[1.2887e-01, 1.3497e-05, 1.6156e-02],  
[1.5600e+01, 7.3212e-03, 4.8288e-01],  
[3.3259e-01, 1.6543e-05, 2.9077e-02],  
[5.2025e-02, 2.4487e-06, 7.1171e-03],  
[2.9954e+00, 1.2406e-03, 1.7828e-01],  
[5.0731e-02, 2.7479e-07, 6.8783e-03],  
[9.9828e+01, 3.4122e-01, 1.8972e+00],  
[1.2913e+00, 3.8726e-04, 1.1541e-01],  
[1.8319e+01, 2.8534e-02, 6.7293e-01],  
[1.5389e-01, 4.8063e-06, 1.7165e-02],  
[3.4731e+01, 3.2222e-01, 1.6087e+00],  
[8.7382e+00, 1.6402e-02, 3.9205e-01],  
[1.8835e+00, 1.0402e-03, 1.6416e-01],  
[1.0328e+01, 1.6206e-02, 9.7851e-01],  
[2.6473e+00, 1.3379e-03, 2.6264e-01],  
[1.6008e+01, 2.3943e-02, 1.4050e+00],  
[4.1678e-01, 4.6182e-05, 3.6931e-02],  
[1.6120e+02, 4.7896e+00, 4.2081e+00],  
[1.6398e-01, 1.6471e-06, 2.1892e-02],  
[7.5985e+01, 1.7418e+00, 3.4497e+00],  
[1.6620e+00, 1.3744e-04, 1.1740e-01],  
[1.0011e+00, 6.6145e-05, 7.0228e-02],  
[2.1686e+01, 5.8839e-02, 7.1239e-01],  
[6.0377e+01, 8.8981e-01, 2.1042e+00],  
[1.6078e-01, 1.4602e-05, 1.7846e-02],  
[1.1736e+02, 2.5134e-01, 4.4414e+00],  
[2.0439e-01, 8.6416e-06, 2.7961e-02],  
[9.4500e+01, 4.3019e-01, 3.6741e+00],  
[6.6337e+01, 8.3288e-01, 3.2822e+00],  
[9.5686e+00, 1.7858e-02, 3.8025e-01],  
[5.7055e-03, 6.0993e-08, 9.0120e-04],  
[1.5640e+01, 1.3325e-03, 7.1511e-01],  
[1.8008e-01, 1.1451e-05, 1.8438e-02],  
[2.3003e+01, 1.2181e-01, 8.7928e-01],  
[3.3553e-01, 5.7882e-05, 5.1168e-02],  
[6.6935e+00, 1.3962e-02, 3.3885e-01],

```

[2.3351e+01, 4.5205e-02, 8.8719e-01],
[3.3776e-02, 1.8176e-06, 5.1001e-03],
[3.6329e-01, 3.4740e-05, 3.9327e-02],
[6.7063e-01, 1.2851e-05, 7.2549e-02]], dtype=torch.float64)
Iteration: 87
Inputs: tensor([[6.4403e+19, 2.1176e+01, 6.4965e+00, 2.6140e+00],
[9.8197e+20, 1.5493e+02, 1.3232e+01, 7.2635e+00],
[8.3988e+18, 2.8006e+02, 2.4357e+00, 6.6531e+00],
...,
[9.0954e+19, 4.1926e+02, 1.7428e+01, 9.1817e+00],
[3.3806e+18, 4.7271e+02, 3.0758e+00, 2.7046e+00],
[1.4489e+20, 4.0908e+02, 2.6842e+00, 4.2651e+00]], dtype=torch.float64)
Target: tensor([[4.1234e-01, 3.8564e-05, 5.8779e-02],
[1.1184e+02, 2.6200e+00, 4.4319e+00],
[4.6698e+00, 1.7761e-03, 2.3618e-01],
[1.2277e+00, 1.6018e-04, 1.1240e-01],
[8.9022e+00, 2.0565e-02, 4.7141e-01],
[8.6432e+00, 3.9919e-03, 4.4057e-01],
[2.0726e-01, 5.7287e-06, 1.9924e-02],
[6.9916e+01, 1.9681e+00, 3.4797e+00],
[5.8268e+00, 8.3557e-03, 6.1932e-01],
[2.3626e-01, 2.5152e-05, 2.3074e-02],
[3.7077e+01, 5.2672e-02, 1.0738e+00],
[1.2136e+01, 3.5812e-02, 8.1427e-01],
[4.4107e+01, 7.2623e-02, 9.7905e-01],
[5.2341e-01, 2.7318e-05, 5.8280e-02],
[4.1077e-01, 9.3434e-06, 4.6840e-02],
[5.0663e+01, 2.3313e-01, 2.3592e+00],
[1.4744e-02, 4.6855e-08, 2.1671e-03],
[1.5805e+02, 5.2631e+00, 3.7952e+00],
[7.9807e-02, 5.8130e-06, 1.0002e-02],
[1.0941e+01, 5.5572e-03, 7.5806e-01],
[1.8737e+00, 5.2115e-04, 1.5981e-01],
[6.3945e-03, 4.7296e-08, 9.8305e-04],
[1.1969e+01, 1.7460e-02, 4.6865e-01],
[6.6899e-02, 2.5125e-06, 8.4889e-03],
[7.8333e+00, 6.6786e-03, 3.2515e-01],
[1.4050e+02, 2.0758e+00, 2.6728e+00],
[2.7723e+00, 4.0057e-04, 1.7946e-01],
[3.0903e+01, 1.2960e-01, 2.2171e+00],
[3.1115e+00, 2.7120e-03, 2.2997e-01],
[1.6826e-01, 1.3765e-05, 1.8008e-02],
[2.3170e+00, 6.5742e-04, 1.6211e-01],
[1.3054e-01, 1.0655e-05, 1.5046e-02],
[2.6172e+00, 6.0921e-03, 2.4608e-01],
[2.5243e+02, 5.4441e+00, 4.1177e+00],
[5.0491e-02, 1.3510e-07, 6.4984e-03],
[5.9132e+01, 8.8592e-02, 1.1282e+00],

```

[1.3914e+00, 2.0607e-04, 7.4864e-02],  
 [4.5493e+00, 3.5831e-03, 4.2707e-01],  
 [6.8621e+01, 5.3105e-01, 2.6933e+00],  
 [5.5417e+00, 1.2362e-02, 5.0209e-01],  
 [6.6270e+00, 1.1051e-02, 4.7710e-01],  
 [5.6056e+01, 4.6343e-01, 1.1585e+00],  
 [3.2489e-01, 4.9200e-06, 4.0234e-02],  
 [1.9538e-01, 1.6331e-05, 2.8341e-02],  
 [5.4563e+01, 1.7581e-01, 1.6022e+00],  
 [2.0129e-01, 3.3943e-05, 2.4231e-02],  
 [3.2161e+01, 1.5550e-01, 1.3499e+00],  
 [1.7346e+01, 5.0052e-02, 7.3706e-01],  
 [7.5848e+01, 6.3980e-01, 2.3021e+00],  
 [7.2459e-04, 3.8178e-10, 1.1785e-04],  
 [3.7137e+00, 4.1826e-03, 2.3088e-01],  
 [6.7690e-02, 7.8677e-07, 9.2300e-03],  
 [1.5884e+02, 1.1640e+00, 2.6456e+00],  
 [2.4821e+01, 6.3048e-02, 1.3588e+00],  
 [7.0025e+00, 2.9659e-03, 3.9191e-01],  
 [3.0044e+00, 1.0818e-03, 2.0336e-01],  
 [3.0296e+00, 4.1627e-04, 1.7135e-01],  
 [1.3691e-01, 1.0613e-05, 1.6285e-02],  
 [1.6076e+00, 1.9155e-03, 1.8416e-01],  
 [8.1478e+00, 1.5487e-02, 4.2113e-01],  
 [1.9197e+00, 9.1326e-04, 1.2042e-01],  
 [1.7817e+00, 8.2459e-04, 1.1050e-01],  
 [6.6122e+00, 1.0500e-02, 4.8566e-01],  
 [1.2631e+02, 2.5502e-01, 3.5072e+00],  
 [7.3978e+01, 1.1495e+00, 3.7388e+00],  
 [1.8233e-01, 6.9561e-07, 2.1550e-02],  
 [5.3700e-01, 3.4828e-05, 4.5668e-02],  
 [4.4522e-02, 1.0373e-06, 5.8609e-03],  
 [8.5431e+01, 5.3700e-01, 3.1977e+00],  
 [2.5485e-01, 1.5834e-05, 2.8391e-02],  
 [5.0825e+01, 3.9907e-01, 1.3543e+00],  
 [6.4918e-01, 1.6707e-04, 6.7355e-02],  
 [1.3672e+00, 6.4710e-05, 1.3126e-01],  
 [4.3863e+00, 6.0499e-03, 3.6755e-01],  
 [3.5885e+00, 3.0025e-03, 2.2859e-01],  
 [7.1147e+00, 1.0070e-02, 5.2516e-01],  
 [2.0450e+00, 1.9265e-03, 1.8608e-01],  
 [6.3081e-02, 5.3397e-06, 9.5426e-03],  
 [1.7323e+01, 2.1769e-01, 1.4828e+00],  
 [1.3373e+02, 2.5160e-01, 3.6528e+00],  
 [3.4480e+01, 1.8885e-01, 2.0185e+00],  
 [2.7786e+01, 1.1615e-01, 7.2778e-01],  
 [8.2099e+00, 2.1437e-02, 5.3105e-01],  
 [3.4736e+01, 3.3758e-01, 1.1701e+00],

[1.0448e+00, 1.0263e-03, 1.1268e-01],  
[2.8289e+00, 1.8940e-04, 2.4949e-01],  
[9.1015e+00, 5.2613e-03, 5.8549e-01],  
[6.8666e+00, 2.4465e-02, 5.8992e-01],  
[2.5596e+01, 2.1635e-01, 1.0440e+00],  
[9.1000e-03, 1.5939e-08, 1.4131e-03],  
[1.0670e+00, 7.1861e-04, 9.8303e-02],  
[3.4394e+01, 7.7225e-02, 1.4465e+00],  
[4.6669e+00, 2.7161e-03, 3.6814e-01],  
[4.0764e+00, 5.6719e-03, 3.6108e-01],  
[1.2733e+00, 3.8174e-04, 1.7090e-01],  
[6.7865e-01, 7.5018e-05, 7.6676e-02],  
[2.6268e+01, 3.9626e-02, 8.9640e-01],  
[1.0447e+01, 1.8241e-02, 5.9916e-01],  
[6.2213e+01, 7.7711e-02, 2.1484e+00],  
[8.8419e+00, 3.0866e-03, 3.5134e-01],  
[1.4898e+00, 4.9708e-04, 1.3567e-01],  
[1.9730e-03, 1.5143e-09, 3.1368e-04],  
[1.0328e+02, 4.3169e-01, 2.9349e+00],  
[8.6934e-01, 1.1861e-04, 6.7746e-02],  
[4.3917e+01, 5.4082e-02, 2.9329e+00],  
[1.1293e-01, 4.0858e-06, 1.2570e-02],  
[9.4968e-01, 2.5621e-04, 6.7442e-02],  
[5.6419e+00, 2.7637e-04, 2.6618e-01],  
[1.1263e+00, 5.5712e-04, 1.6013e-01],  
[9.9537e+01, 1.1509e+00, 2.9590e+00],  
[1.2006e+02, 3.1570e+00, 4.0311e+00],  
[2.1573e+01, 1.4905e-02, 5.9609e-01],  
[1.8061e-02, 3.5705e-07, 2.6158e-03],  
[2.0991e+01, 1.8561e-01, 1.2862e+00],  
[2.5870e+01, 5.1984e-02, 6.6001e-01],  
[2.3653e-01, 2.6371e-05, 3.1096e-02],  
[2.7045e+00, 1.1666e-03, 1.4460e-01],  
[1.2767e+01, 4.0270e-02, 7.6326e-01],  
[7.1069e-02, 8.4966e-06, 1.0382e-02],  
[1.4549e+00, 3.7345e-04, 9.8381e-02],  
[2.0581e+02, 2.6327e+00, 4.5904e+00],  
[1.6152e+01, 5.7854e-03, 6.2470e-01],  
[1.8988e+00, 1.7178e-03, 1.4684e-01],  
[1.9833e-01, 1.0404e-05, 2.3851e-02],  
[2.7777e+01, 3.6589e-02, 8.1600e-01],  
[3.1748e+01, 6.5867e-02, 8.7151e-01],  
[1.2320e+02, 1.2691e+00, 2.2058e+00],  
[5.6238e+01, 5.4255e-01, 1.5843e+00],  
[1.5409e+01, 6.8055e-02, 7.3254e-01],  
[3.9188e+00, 6.9141e-03, 2.9040e-01],  
[1.4449e+01, 3.5071e-02, 5.0736e-01],  
[5.6820e+01, 1.1745e+00, 2.3077e+00],

[4.6682e-02, 4.1462e-07, 6.4654e-03],  
 [5.7644e+00, 1.2603e-03, 4.6119e-01],  
 [2.3043e+01, 4.0314e-02, 8.5034e-01],  
 [5.8561e+00, 1.4229e-02, 4.2916e-01],  
 [3.7523e+00, 9.2817e-04, 1.5978e-01],  
 [2.1777e+00, 1.9308e-03, 1.4090e-01],  
 [1.8512e-02, 9.0877e-08, 2.8338e-03],  
 [2.8812e+01, 1.9605e-02, 1.4110e+00],  
 [3.6806e+00, 2.5926e-03, 3.1263e-01],  
 [8.9388e-03, 1.7272e-08, 1.3433e-03],  
 [7.0194e-01, 3.0205e-05, 8.6349e-02],  
 [3.2419e+01, 3.5753e-01, 2.4134e+00],  
 [3.9509e+00, 2.2982e-03, 4.8243e-01],  
 [3.2526e+01, 1.4449e-01, 1.0665e+00],  
 [1.2369e+01, 5.7615e-02, 8.5329e-01],  
 [4.6499e+01, 2.4034e-01, 1.2124e+00],  
 [6.7028e+00, 1.0772e-02, 5.2550e-01],  
 [3.2628e+01, 1.7433e-01, 1.4530e+00],  
 [7.5316e+01, 5.1952e-02, 2.5156e+00],  
 [1.7304e+01, 8.8107e-02, 7.4494e-01],  
 [1.7251e-01, 2.1016e-05, 2.2251e-02],  
 [3.5468e-01, 1.0556e-04, 4.0818e-02],  
 [1.9114e+01, 5.0856e-02, 8.0286e-01],  
 [7.9633e-01, 3.6888e-04, 7.1383e-02],  
 [1.0746e+01, 5.7590e-02, 7.1038e-01],  
 [3.8394e-01, 2.1018e-05, 5.2647e-02],  
 [6.2866e-02, 2.1208e-06, 8.6598e-03],  
 [2.4822e+01, 8.2369e-02, 1.4643e+00],  
 [8.1455e+00, 1.1163e-02, 6.8915e-01],  
 [5.9952e+01, 4.3786e-01, 1.6618e+00],  
 [1.1722e-03, 2.6577e-10, 1.8929e-04],  
 [6.7016e-01, 4.7880e-05, 7.1223e-02],  
 [2.3133e+00, 1.3387e-03, 2.7065e-01],  
 [8.1037e-02, 2.4150e-06, 1.0651e-02],  
 [1.5768e+00, 1.1828e-03, 1.3879e-01],  
 [5.2359e+01, 3.0761e-02, 1.4199e+00],  
 [3.3684e+01, 3.3686e-01, 1.3029e+00],  
 [4.2773e+01, 5.6743e-02, 1.8282e+00],  
 [5.2623e+01, 7.0380e-01, 1.9144e+00],  
 [7.1762e+01, 4.2675e-01, 2.5406e+00],  
 [6.1790e-01, 7.3930e-06, 4.7789e-02],  
 [1.2116e+02, 1.9172e+00, 3.2175e+00],  
 [6.8750e-02, 2.5018e-06, 9.1817e-03],  
 [9.1996e+01, 9.8257e-01, 1.6203e+00],  
 [8.1679e-03, 1.1005e-08, 1.2654e-03],  
 [2.9665e+01, 4.3158e-01, 1.9995e+00],  
 [7.1776e+01, 3.8645e-01, 3.0362e+00],  
 [7.7918e-02, 6.1239e-06, 9.8360e-03],

[1.3868e+02, 2.7611e+00, 3.7720e+00],  
 [1.5838e+01, 3.9126e-02, 6.9262e-01],  
 [6.0177e+01, 3.5716e-01, 1.7992e+00],  
 [1.5262e+01, 1.1958e-01, 1.1325e+00],  
 [1.9883e+01, 9.0541e-02, 1.0994e+00],  
 [1.1562e+02, 2.4041e+00, 2.7955e+00],  
 [2.2586e+00, 4.7911e-03, 2.1868e-01],  
 [3.7484e+00, 2.8152e-03, 1.9417e-01],  
 [1.5729e+01, 4.6247e-02, 1.2814e+00],  
 [1.5879e+00, 4.9790e-04, 1.3478e-01],  
 [2.3982e-02, 7.9847e-08, 3.4861e-03],  
 [1.9535e+00, 1.9140e-03, 2.2068e-01],  
 [1.2200e+00, 2.0688e-04, 7.5930e-02],  
 [1.0375e+01, 1.7355e-02, 1.1052e+00],  
 [5.4014e+01, 1.3704e-01, 1.2775e+00],  
 [6.0876e-02, 1.3217e-06, 7.8995e-03],  
 [3.8626e+01, 3.7517e-01, 2.5173e+00],  
 [3.1273e+01, 1.3225e-01, 1.0576e+00],  
 [3.2904e+00, 1.1770e-03, 3.5305e-01],  
 [5.4054e-02, 9.5313e-07, 7.6944e-03],  
 [3.7015e+01, 1.4189e-01, 1.8082e+00],  
 [4.6380e-01, 6.1807e-05, 4.6946e-02],  
 [8.2880e+00, 1.8136e-02, 4.3936e-01],  
 [5.0554e+01, 2.0239e-01, 2.1794e+00],  
 [3.1890e-01, 3.4053e-05, 4.0228e-02],  
 [2.6467e+01, 1.2209e-01, 8.5205e-01],  
 [8.7022e+01, 1.0142e+00, 2.8120e+00],  
 [4.8617e-02, 2.3081e-07, 6.6701e-03],  
 [1.2297e+02, 1.6140e+00, 2.1719e+00],  
 [3.8523e-01, 1.2635e-04, 4.6939e-02],  
 [9.0959e+01, 9.7895e-01, 1.4882e+00],  
 [9.9119e+01, 2.1113e+00, 3.7711e+00],  
 [1.1291e+02, 5.9372e-01, 3.1578e+00],  
 [2.6170e-03, 1.1226e-08, 4.1904e-04],  
 [7.1498e+00, 1.4984e-02, 5.7401e-01],  
 [4.1112e-02, 6.8455e-08, 5.5107e-03],  
 [1.2986e+00, 3.7590e-04, 1.3804e-01],  
 [8.6631e-02, 3.6626e-06, 1.1789e-02],  
 [2.0469e+00, 2.3257e-03, 1.7231e-01],  
 [5.2071e-02, 8.6502e-07, 6.6569e-03],  
 [1.4600e-01, 3.7548e-06, 1.7446e-02],  
 [1.4761e+00, 2.8030e-04, 2.0739e-01],  
 [3.2781e+00, 1.1937e-03, 2.6351e-01],  
 [1.8984e+01, 1.0654e-01, 1.3272e+00],  
 [4.0990e-01, 1.8436e-05, 3.7846e-02],  
 [9.0078e-02, 2.0948e-06, 1.1432e-02],  
 [1.5015e+00, 8.2182e-04, 1.3434e-01],  
 [5.0620e+01, 7.3276e-02, 1.2323e+00],

[3.7876e-03, 3.7362e-09, 6.1162e-04],  
 [4.3647e-01, 7.5630e-05, 4.6964e-02],  
 [8.9935e+00, 1.5191e-02, 8.3145e-01],  
 [3.9611e+01, 2.8575e-01, 1.4586e+00],  
 [3.4632e+01, 4.8448e-02, 2.0509e+00],  
 [4.2330e+00, 6.9502e-03, 2.9820e-01],  
 [1.6167e+01, 1.7175e-02, 5.4745e-01],  
 [6.7425e+01, 7.0679e-01, 1.7539e+00],  
 [2.1432e+01, 5.7506e-02, 8.7425e-01],  
 [1.2695e+01, 9.7564e-03, 9.8845e-01],  
 [7.3327e+01, 1.5113e+00, 2.1768e+00],  
 [3.2173e+01, 2.4445e-01, 9.8082e-01],  
 [6.9416e-02, 4.7928e-06, 8.7037e-03],  
 [3.9959e+01, 2.0791e-01, 2.2304e+00],  
 [6.2034e+01, 4.5299e-01, 2.2633e+00],  
 [5.9865e+01, 2.3851e-01, 1.1719e+00],  
 [4.0438e+01, 3.0916e-01, 1.1478e+00],  
 [2.7581e-02, 6.9047e-07, 3.8204e-03],  
 [5.4834e-01, 3.3261e-05, 4.5516e-02],  
 [7.0282e-02, 1.0767e-06, 8.6314e-03],  
 [1.2655e+00, 5.2311e-04, 9.6098e-02],  
 [7.8746e-01, 5.6574e-04, 9.6664e-02],  
 [2.8389e-01, 3.3728e-05, 2.7077e-02],  
 [5.1307e+00, 6.7246e-03, 3.7032e-01],  
 [6.9772e+01, 1.8476e-01, 3.3697e+00],  
 [2.0265e+01, 1.4407e-01, 9.5707e-01],  
 [3.0522e+00, 4.6845e-04, 3.3527e-01],  
 [7.4775e+01, 1.3217e+00, 2.3985e+00],  
 [1.5123e-01, 6.5717e-06, 2.2672e-02],  
 [4.7742e-01, 1.2504e-04, 6.0044e-02],  
 [4.6758e+00, 3.1635e-03, 3.2097e-01],  
 [1.0998e-01, 8.4779e-06, 1.5306e-02],  
 [1.0645e+02, 1.3807e+00, 2.8470e+00],  
 [2.3049e+01, 6.4587e-02, 7.3933e-01],  
 [2.6782e+01, 1.2482e-01, 1.9336e+00],  
 [7.3755e+01, 4.1066e-01, 2.9228e+00],  
 [1.3700e+00, 2.1032e-03, 1.6944e-01],  
 [3.1868e+00, 3.6692e-04, 3.6406e-01],  
 [4.6963e-01, 2.6742e-05, 5.3237e-02],  
 [2.8066e+01, 1.1494e-01, 9.8990e-01],  
 [1.3110e+01, 3.7100e-02, 8.4115e-01],  
 [9.7857e-01, 5.1842e-04, 8.8790e-02],  
 [1.1991e+01, 2.7361e-02, 8.5858e-01],  
 [2.3525e+00, 2.3745e-04, 1.5959e-01],  
 [1.7786e-02, 1.1320e-07, 2.6688e-03],  
 [2.4467e+01, 4.8933e-02, 9.1062e-01],  
 [7.0186e-01, 3.7469e-05, 7.0754e-02],  
 [4.3398e-01, 6.6415e-05, 5.6067e-02],



```

[1.3944e+02, 1.7185e-01, 3.4445e+00],
[3.0732e+00, 2.9634e-04, 2.4012e-01],
[4.0269e-01, 5.8938e-05, 4.7571e-02],
[3.0116e-01, 2.8962e-06, 2.5158e-02],
[2.1904e+02, 1.2439e+00, 3.7498e+00],
[1.0131e+02, 6.5677e-01, 3.6561e+00],
[1.3071e-02, 2.0593e-08, 1.9591e-03],
[7.2737e-02, 8.4086e-07, 9.6497e-03],
[1.2371e+01, 1.4642e-02, 6.3399e-01],
[5.1821e+00, 9.2537e-03, 3.1990e-01],
[4.7229e+01, 1.7164e-01, 1.7855e+00],
[3.3862e+00, 1.9387e-03, 2.3595e-01],
[2.0565e-03, 1.7801e-09, 3.2711e-04],
[2.1052e+01, 2.7030e-01, 1.3668e+00],
[1.6377e+02, 5.8446e+00, 3.4778e+00],
[3.7681e+00, 5.0702e-03, 3.5063e-01],
[5.0177e+01, 5.2475e-01, 3.1428e+00],
[3.8301e-01, 5.6941e-05, 4.6824e-02],
[1.1770e+00, 5.2054e-04, 1.4018e-01],
[5.1569e+01, 6.2028e-01, 1.5520e+00],
[7.0709e-02, 6.8275e-07, 9.9022e-03],
[1.3682e+00, 3.5496e-04, 1.4137e-01],
[8.0265e+00, 7.5392e-03, 3.9539e-01],
[2.3138e+01, 1.6507e-01, 1.1444e+00],
[1.0822e+02, 1.1220e+00, 3.3778e+00],
[2.0311e+01, 3.8471e-02, 1.2115e+00],
[1.5574e-02, 7.0690e-08, 2.3896e-03],
[2.2205e-01, 2.0892e-05, 2.6925e-02],
[4.0702e-01, 7.4498e-05, 3.7622e-02],
[7.4262e-02, 6.1219e-06, 1.0215e-02],
[1.4411e+00, 2.9349e-03, 1.8421e-01],
[8.8256e+01, 1.5033e-01, 3.0250e+00],
[1.2581e-01, 6.4641e-06, 1.5429e-02],
[1.9144e+01, 1.4695e-02, 9.7049e-01],
[1.0053e+01, 4.6601e-02, 7.6931e-01],
[2.0847e+01, 3.2600e-02, 1.2257e+00],
[1.8493e+01, 1.1097e-01, 8.7413e-01],
[5.1765e-01, 9.8370e-05, 6.7864e-02],
[4.2520e+01, 9.2048e-02, 1.0036e+00],
[1.4611e+01, 1.0299e-02, 6.1026e-01],
[1.2762e+00, 6.5745e-04, 1.0263e-01],
[4.2797e+01, 5.9444e-01, 1.3061e+00],
[1.6013e+00, 6.0196e-05, 1.0056e-01],
[8.4385e+01, 2.4103e-01, 1.7967e+00]], dtype=torch.float64)

```

Iteration: 88

```

Inputs: tensor([[7.4483e+20, 4.0206e+02, 5.7929e+00, 4.8626e+00],
               [6.8890e+18, 3.5687e+02, 1.6707e+01, 6.2409e+00],
               [3.0128e+19, 2.6187e+02, 4.5093e+00, 4.9653e+00],

```

```

...,
[1.1149e+18, 1.5422e+02, 1.3710e+00, 6.1803e+00],
[1.8020e+19, 2.6805e+02, 5.5282e+00, 2.6916e+00],
[3.7144e+19, 2.5473e+02, 1.2161e+00, 1.1837e+00]], dtype=torch.float64)
Target: tensor([[2.1365e+02, 2.4750e+00, 4.3750e+00],
[1.5398e+00, 7.5610e-04, 1.2686e-01],
[1.4531e+01, 1.4497e-02, 6.1096e-01],
[6.6798e+01, 1.1367e+00, 2.3334e+00],
[3.1044e+01, 6.0423e-02, 2.1688e+00],
[1.2146e+02, 4.9784e+00, 3.9992e+00],
[3.8787e+00, 3.4382e-03, 2.0391e-01],
[2.4056e+01, 2.5565e-01, 1.0145e+00],
[5.1011e+00, 1.7282e-03, 3.7783e-01],
[8.1914e-02, 1.3859e-06, 1.1861e-02],
[6.8731e-01, 2.8036e-05, 8.2036e-02],
[7.3646e+01, 1.8982e-01, 1.6393e+00],
[5.2298e-01, 7.5206e-05, 5.6662e-02],
[1.5302e+02, 2.1626e+00, 4.1481e+00],
[8.8851e-02, 3.0794e-06, 1.1604e-02],
[1.1574e+01, 2.6182e-02, 7.0300e-01],
[1.0965e-01, 2.1942e-06, 1.2319e-02],
[1.9392e+01, 5.0260e-03, 5.1611e-01],
[1.0185e-01, 4.1728e-06, 1.2693e-02],
[1.2496e+02, 3.0480e+00, 4.2818e+00],
[7.5129e+00, 3.3605e-03, 5.3843e-01],
[3.8902e-02, 1.5774e-06, 5.9317e-03],
[1.0941e+02, 1.2304e+00, 2.6033e+00],
[1.8731e-01, 9.3847e-06, 2.0981e-02],
[4.2401e+00, 1.3150e-03, 2.0093e-01],
[6.8830e+00, 5.0423e-03, 4.0542e-01],
[4.4418e+01, 1.6904e-01, 3.0418e+00],
[7.8202e+01, 1.3183e-01, 2.3152e+00],
[2.7264e-03, 9.1802e-10, 4.3838e-04],
[5.3361e+00, 1.2363e-03, 3.2397e-01],
[9.4472e+01, 6.4506e-01, 2.8418e+00],
[5.6818e+00, 2.8853e-04, 2.7595e-01],
[1.2528e+02, 1.0242e+00, 3.3096e+00],
[6.8436e+01, 1.1895e+00, 1.8516e+00],
[2.9186e+01, 2.4537e-01, 1.6814e+00],
[2.0905e+00, 6.6153e-04, 1.5823e-01],
[5.9968e-02, 4.0795e-06, 8.2518e-03],
[1.1886e+00, 3.6087e-04, 1.0249e-01],
[1.6742e+00, 4.8768e-04, 1.1789e-01],
[3.0598e+00, 2.0601e-03, 2.6154e-01],
[3.1195e+01, 3.1516e-01, 9.4555e-01],
[1.2447e+02, 2.0158e+00, 2.7373e+00],
[3.6992e+00, 4.5433e-03, 3.3424e-01],
[8.0451e+01, 1.6623e-01, 3.0778e+00],

```

[1.4585e+01, 7.5980e-02, 9.2581e-01],  
 [2.3793e+01, 1.8448e-01, 1.0076e+00],  
 [1.3740e+01, 1.6772e-02, 1.0687e+00],  
 [2.3419e+02, 4.1632e+00, 5.0196e+00],  
 [4.1701e+01, 2.3415e-01, 1.4502e+00],  
 [2.9474e-01, 2.2693e-05, 3.0625e-02],  
 [1.6499e+01, 5.3013e-03, 6.0365e-01],  
 [3.7976e+01, 4.0803e-01, 1.6834e+00],  
 [3.9324e+01, 7.9224e-02, 1.8135e+00],  
 [1.3797e+00, 2.8123e-04, 1.6538e-01],  
 [3.9120e+01, 2.6218e-01, 9.0000e-01],  
 [1.8664e-01, 4.3562e-06, 2.4481e-02],  
 [8.4360e+01, 8.5130e-01, 2.0660e+00],  
 [4.7582e+00, 5.6634e-03, 2.9927e-01],  
 [5.7411e-01, 9.4257e-05, 5.1456e-02],  
 [6.1399e+01, 1.2517e-01, 2.3121e+00],  
 [8.9279e-01, 2.3775e-04, 1.0156e-01],  
 [6.1651e-01, 1.3323e-05, 5.1106e-02],  
 [2.5537e+00, 1.4517e-03, 2.3130e-01],  
 [8.6161e-01, 6.9074e-05, 7.3034e-02],  
 [8.9857e+01, 1.9579e-01, 3.1902e+00],  
 [1.5680e+00, 1.6061e-03, 2.0085e-01],  
 [2.0152e+01, 1.5391e-02, 1.5513e+00],  
 [1.1317e+02, 1.6771e+00, 3.4176e+00],  
 [3.1751e+01, 9.6422e-02, 1.0414e+00],  
 [3.1755e+00, 6.3951e-03, 2.8215e-01],  
 [9.4897e-01, 1.2085e-04, 7.2393e-02],  
 [1.7466e-01, 5.9684e-05, 2.5368e-02],  
 [4.4604e+01, 1.7328e-01, 2.1008e+00],  
 [5.9866e-02, 6.5906e-07, 7.6621e-03],  
 [8.6562e+00, 1.4192e-02, 3.8920e-01],  
 [7.8166e+01, 8.8238e-02, 2.7591e+00],  
 [4.9641e+00, 1.0470e-03, 2.3534e-01],  
 [8.1146e+01, 1.8995e-01, 1.9189e+00],  
 [3.7624e-01, 1.6355e-04, 5.3082e-02],  
 [3.5209e+01, 2.7700e-01, 1.2639e+00],  
 [1.1054e-02, 3.6668e-08, 1.7204e-03],  
 [1.4530e-01, 1.1772e-05, 1.9689e-02],  
 [1.1779e-01, 1.6275e-05, 1.7168e-02],  
 [7.9484e+01, 9.0172e-01, 2.1385e+00],  
 [2.8632e-03, 1.3924e-09, 4.5849e-04],  
 [5.6071e+00, 1.2763e-03, 2.5000e-01],  
 [1.3241e+01, 3.9940e-02, 6.3144e-01],  
 [1.8312e-03, 7.2852e-10, 2.9386e-04],  
 [1.9700e-02, 3.5753e-08, 2.8101e-03],  
 [4.2767e+01, 2.6113e-01, 1.2267e+00],  
 [1.3047e+00, 4.1021e-04, 1.4165e-01],  
 [3.8623e-02, 4.2399e-07, 5.1807e-03],

[5.2520e-01, 2.7268e-05, 5.2660e-02],  
 [1.5785e+02, 1.9455e+00, 2.8358e+00],  
 [6.9412e+01, 5.7468e-02, 2.7085e+00],  
 [7.2995e+01, 6.8686e-01, 2.4664e+00],  
 [4.9754e+01, 1.5958e-01, 1.2984e+00],  
 [6.8374e+00, 8.9055e-04, 3.2581e-01],  
 [1.6183e-01, 5.1375e-06, 1.6516e-02],  
 [2.2083e+00, 1.1939e-03, 1.7016e-01],  
 [1.6238e-01, 1.0271e-05, 2.2419e-02],  
 [2.9755e-02, 2.8322e-07, 4.2120e-03],  
 [2.2100e+01, 1.7290e-01, 8.8546e-01],  
 [2.0859e-01, 1.1441e-06, 2.4915e-02],  
 [8.0885e+01, 3.8389e-01, 2.6014e+00],  
 [5.3014e-01, 1.1452e-05, 3.9776e-02],  
 [4.5050e-02, 1.8213e-06, 6.4095e-03],  
 [2.4184e-01, 2.3049e-05, 2.7572e-02],  
 [1.6192e+02, 1.9122e+00, 4.8384e+00],  
 [1.4436e+01, 2.5709e-02, 7.2306e-01],  
 [1.2180e+01, 4.0890e-02, 5.0623e-01],  
 [5.5147e+01, 5.5495e-01, 2.9068e+00],  
 [1.3739e+01, 4.4561e-02, 5.7488e-01],  
 [2.3207e-02, 3.3833e-07, 3.6242e-03],  
 [1.7163e-02, 1.0390e-07, 2.7422e-03],  
 [4.7647e-01, 5.1956e-05, 3.7551e-02],  
 [1.3556e-02, 4.2231e-08, 2.0612e-03],  
 [1.3587e+02, 2.2376e+00, 3.7833e+00],  
 [1.4597e-01, 3.0838e-06, 1.8528e-02],  
 [1.4605e+00, 2.1722e-04, 1.5940e-01],  
 [3.0173e+01, 5.4858e-02, 9.2598e-01],  
 [8.6921e-03, 6.6589e-08, 1.3298e-03],  
 [1.4975e+01, 1.2887e-02, 5.1248e-01],  
 [6.5742e-02, 4.0104e-06, 8.6576e-03],  
 [3.5001e+00, 7.7529e-04, 2.0523e-01],  
 [5.5514e+00, 6.1946e-03, 2.8216e-01],  
 [7.9062e+00, 1.6410e-02, 3.8205e-01],  
 [2.2171e+00, 1.9146e-04, 1.1509e-01],  
 [1.0306e+02, 6.9623e-01, 3.5098e+00],  
 [6.9173e+00, 3.2831e-03, 3.2715e-01],  
 [1.8469e-01, 3.1210e-05, 2.0196e-02],  
 [5.4199e+00, 5.6153e-03, 4.1128e-01],  
 [6.2007e+01, 4.2669e-01, 1.8273e+00],  
 [3.3294e+01, 3.8495e-01, 1.7061e+00],  
 [3.2005e+01, 1.4824e-01, 1.7661e+00],  
 [2.1182e-01, 3.1346e-05, 2.6777e-02],  
 [1.9285e+00, 5.9303e-04, 1.6291e-01],  
 [1.9966e+00, 3.2513e-05, 1.5265e-01],  
 [6.2250e+00, 7.1511e-03, 3.3721e-01],  
 [2.3406e+02, 7.2670e+00, 4.7661e+00],

[2.5376e+01, 1.3673e-01, 8.4157e-01],  
 [2.0905e-01, 1.0639e-06, 2.3066e-02],  
 [1.4209e+01, 5.6363e-02, 8.9051e-01],  
 [8.3501e+01, 1.3009e+00, 3.5727e+00],  
 [7.4369e-01, 1.0496e-04, 6.5233e-02],  
 [1.1737e-01, 9.8175e-06, 1.6017e-02],  
 [1.9654e+01, 5.3512e-02, 1.2969e+00],  
 [3.2786e-01, 5.6140e-05, 3.1031e-02],  
 [5.9159e+01, 2.9647e-01, 1.9257e+00],  
 [7.1673e-01, 1.2295e-04, 9.5020e-02],  
 [8.7949e+00, 3.2235e-03, 3.9230e-01],  
 [1.7807e+00, 9.5033e-04, 1.6033e-01],  
 [2.1667e+01, 1.6327e-02, 1.2561e+00],  
 [1.0937e+01, 3.8728e-02, 4.5877e-01],  
 [5.7705e-01, 2.5397e-05, 5.9209e-02],  
 [4.7697e+01, 4.9395e-01, 1.4621e+00],  
 [7.0633e+00, 1.2283e-02, 4.0459e-01],  
 [1.7805e-01, 8.4590e-06, 2.5498e-02],  
 [1.0676e+02, 2.4860e+00, 3.1991e+00],  
 [6.4804e+00, 8.4030e-03, 4.4679e-01],  
 [2.4912e+02, 3.0542e+00, 3.6720e+00],  
 [4.6060e-01, 1.4281e-04, 5.7431e-02],  
 [7.9232e+01, 3.9949e-01, 1.9867e+00],  
 [3.1237e-02, 1.2149e-06, 4.5206e-03],  
 [7.4875e+00, 2.4727e-03, 3.9330e-01],  
 [2.8292e-01, 6.0947e-05, 3.4067e-02],  
 [1.9934e+01, 4.3388e-02, 1.2458e+00],  
 [1.2740e+01, 4.6803e-03, 5.2299e-01],  
 [2.1220e-01, 1.8042e-05, 2.8291e-02],  
 [5.3752e-02, 1.4864e-06, 7.3194e-03],  
 [1.6765e+02, 3.6439e+00, 4.4816e+00],  
 [1.7399e+02, 1.0219e+00, 3.2870e+00],  
 [6.3534e+00, 5.6223e-03, 2.5529e-01],  
 [1.3280e+02, 5.7670e-01, 2.7259e+00],  
 [3.0667e-02, 2.5794e-07, 4.3158e-03],  
 [2.2233e-01, 2.2880e-05, 2.2680e-02],  
 [2.6140e+01, 1.7502e-01, 1.2027e+00],  
 [3.7157e+00, 2.2061e-03, 2.4284e-01],  
 [7.8654e+00, 1.9758e-02, 5.1233e-01],  
 [1.1595e+01, 6.3432e-04, 4.4427e-01],  
 [6.8781e+00, 1.7367e-02, 4.1538e-01],  
 [5.3528e+00, 9.3743e-03, 3.3242e-01],  
 [6.3698e+01, 2.5618e-01, 2.3212e+00],  
 [1.3435e+02, 2.7895e+00, 3.1886e+00],  
 [2.6563e+01, 4.9335e-02, 2.0840e+00],  
 [3.4954e-02, 9.1909e-07, 5.0341e-03],  
 [1.0227e-01, 1.5026e-05, 1.3771e-02],  
 [2.1860e+02, 5.1127e+00, 4.7419e+00],

[1.0018e+00, 9.8437e-04, 1.2123e-01],  
 [4.0070e+01, 3.6560e-01, 1.3657e+00],  
 [6.8838e+00, 4.3120e-03, 6.4147e-01],  
 [6.6782e+01, 3.0132e-01, 3.1050e+00],  
 [7.7191e+01, 1.1901e+00, 3.6203e+00],  
 [3.0469e-01, 3.4387e-05, 3.3549e-02],  
 [1.3672e+00, 3.4298e-04, 8.8176e-02],  
 [9.6785e-03, 1.8227e-08, 1.5496e-03],  
 [1.8350e-01, 8.5060e-06, 2.3299e-02],  
 [2.9486e+01, 3.3732e-02, 9.7528e-01],  
 [4.2602e+01, 1.3686e-01, 1.7581e+00],  
 [1.1848e+02, 2.2124e+00, 2.8459e+00],  
 [1.1579e+02, 5.5486e-01, 3.1935e+00],  
 [1.8366e+00, 6.0634e-04, 1.6262e-01],  
 [4.6028e+00, 4.0547e-03, 4.3666e-01],  
 [4.8193e+00, 6.3350e-03, 2.7581e-01],  
 [2.0334e+02, 1.0248e+01, 4.9316e+00],  
 [6.6114e-01, 1.2765e-04, 5.3061e-02],  
 [4.0594e+01, 2.5898e-01, 1.0646e+00],  
 [1.6282e-02, 9.2121e-08, 2.4916e-03],  
 [1.7836e+02, 8.8057e-01, 3.0691e+00],  
 [8.8260e-02, 2.6514e-06, 1.2261e-02],  
 [8.3796e+01, 1.0996e+00, 2.4303e+00],  
 [3.2048e-01, 3.4221e-05, 3.6691e-02],  
 [1.1516e+00, 3.1846e-04, 1.2500e-01],  
 [2.1114e-02, 3.9813e-07, 3.0013e-03],  
 [3.0449e+00, 3.3595e-03, 2.5059e-01],  
 [4.3583e-01, 2.0781e-04, 5.7871e-02],  
 [7.1336e-02, 3.6959e-06, 1.0139e-02],  
 [5.3556e+01, 2.3085e-01, 1.1541e+00],  
 [5.0391e-01, 7.2273e-05, 5.3770e-02],  
 [3.0602e-01, 5.4980e-05, 3.0876e-02],  
 [4.6893e+00, 7.5295e-04, 2.9015e-01],  
 [8.2742e+01, 5.7943e-01, 2.6024e+00],  
 [6.9885e-02, 7.1322e-06, 1.0185e-02],  
 [6.8778e+01, 1.0670e+00, 2.1723e+00],  
 [1.1782e+01, 1.2854e-02, 3.5986e-01],  
 [3.5389e+00, 2.7343e-03, 2.0926e-01],  
 [5.4109e+01, 3.1758e-01, 1.4575e+00],  
 [1.4182e-01, 1.2274e-05, 1.6375e-02],  
 [3.0523e-02, 9.0149e-07, 4.2988e-03],  
 [2.0405e-01, 9.6387e-06, 2.1925e-02],  
 [3.2153e+00, 6.1457e-03, 2.7840e-01],  
 [1.1935e+02, 8.4974e-01, 3.7341e+00],  
 [1.1764e+01, 2.3874e-02, 5.9957e-01],  
 [6.0989e-01, 1.0425e-04, 5.5676e-02],  
 [1.3987e+02, 6.6419e+00, 4.5761e+00],  
 [2.7178e-01, 5.2723e-05, 3.3485e-02],

[9.5474e-01, 1.0626e-04, 8.5066e-02],  
 [5.8759e+00, 6.9165e-03, 5.7475e-01],  
 [1.7300e-01, 9.7288e-06, 1.7359e-02],  
 [6.3626e-01, 2.2869e-04, 6.4249e-02],  
 [5.3645e+01, 4.2612e-01, 3.0847e+00],  
 [4.2452e+01, 4.9953e-01, 2.1837e+00],  
 [4.7608e+01, 4.8284e-01, 1.5060e+00],  
 [2.9890e-01, 1.3753e-05, 2.9961e-02],  
 [1.1272e-01, 3.5126e-06, 1.2754e-02],  
 [3.4935e-01, 4.6329e-05, 3.1308e-02],  
 [4.9847e+00, 1.6576e-02, 5.9563e-01],  
 [7.0016e-02, 1.6082e-07, 8.8191e-03],  
 [3.0692e+01, 1.4946e-02, 1.1177e+00],  
 [8.8293e+01, 9.3979e-01, 2.1449e+00],  
 [4.1675e+00, 8.0791e-04, 2.2712e-01],  
 [1.6310e+00, 1.2771e-03, 1.1637e-01],  
 [1.5247e-02, 2.8419e-08, 2.3065e-03],  
 [2.5234e-01, 1.2685e-05, 3.2763e-02],  
 [8.4636e-01, 1.0660e-04, 8.2293e-02],  
 [1.5223e+00, 4.8470e-04, 1.1140e-01],  
 [9.7251e-01, 6.8790e-04, 1.0977e-01],  
 [1.3978e+02, 1.8014e+00, 2.6653e+00],  
 [7.6703e-01, 2.1648e-04, 6.6220e-02],  
 [2.4357e+01, 7.0594e-02, 8.0357e-01],  
 [3.4850e-01, 8.6888e-05, 3.9331e-02],  
 [1.2876e-01, 4.6876e-06, 1.5989e-02],  
 [2.2237e+01, 3.6956e-02, 7.5799e-01],  
 [1.2838e+01, 3.5478e-03, 9.6766e-01],  
 [1.3405e+01, 2.5044e-02, 6.7249e-01],  
 [6.3767e+00, 9.1005e-03, 4.7912e-01],  
 [1.5697e+00, 9.9380e-05, 1.4366e-01],  
 [9.1382e-02, 1.3164e-06, 1.1156e-02],  
 [1.0061e+02, 6.5508e-01, 2.0059e+00],  
 [7.7856e-03, 1.0059e-08, 1.2112e-03],  
 [4.5285e+00, 3.0922e-03, 2.3216e-01],  
 [2.2338e+01, 1.1682e-01, 1.5296e+00],  
 [2.9355e-03, 1.2167e-09, 4.6552e-04],  
 [2.7940e-03, 3.3406e-09, 4.4671e-04],  
 [7.0357e-01, 1.2056e-04, 7.1196e-02],  
 [1.6836e+02, 2.4435e+00, 3.6926e+00],  
 [1.6299e-01, 3.2901e-06, 2.1256e-02],  
 [1.5362e+01, 2.6525e-02, 8.6206e-01],  
 [4.7215e+01, 3.2360e-01, 1.8353e+00],  
 [1.0757e+02, 7.4760e-01, 1.8557e+00],  
 [3.4943e-02, 6.5156e-07, 4.8236e-03],  
 [7.1647e-01, 1.0374e-04, 5.4581e-02],  
 [1.0775e-01, 1.7180e-06, 1.2538e-02],  
 [5.0933e-02, 9.4825e-08, 6.5852e-03],

```

[4.2687e-01, 1.5652e-05, 3.9001e-02],
[1.9721e+01, 7.9286e-02, 6.3353e-01],
[1.0859e+00, 1.6805e-04, 9.2250e-02],
[3.2782e+01, 2.1586e-01, 9.5051e-01],
[3.6941e+00, 3.4410e-03, 2.0285e-01],
[2.3859e+00, 8.5534e-04, 3.2375e-01],
[3.3464e-03, 1.0249e-08, 5.2984e-04],
[1.9218e+01, 9.4403e-03, 1.5576e+00],
[7.9838e-01, 6.2403e-05, 5.3583e-02],
[7.0442e-01, 8.2646e-05, 9.0452e-02],
[2.1477e+01, 9.2602e-02, 1.0185e+00],
[6.3155e-03, 3.2306e-08, 9.9812e-04],
[2.3164e-01, 3.3073e-05, 2.5112e-02],
[8.3092e-02, 1.0644e-06, 1.0940e-02],
[1.9350e+01, 5.8188e-02, 1.1477e+00],
[2.5935e-01, 8.2153e-06, 3.5697e-02],
[1.3032e+02, 5.4836e+00, 4.5884e+00],
[7.8905e+01, 1.2588e+00, 2.8395e+00],
[6.0862e+00, 6.0614e-03, 2.8679e-01],
[2.0330e+00, 6.4299e-04, 1.2424e-01],
[2.7261e-01, 6.7056e-05, 3.6197e-02],
[2.6486e+00, 7.0702e-04, 2.6573e-01],
[4.1585e-01, 1.4007e-05, 5.0053e-02],
[2.4352e-01, 3.9975e-05, 2.5730e-02],
[4.1382e+01, 3.2338e-01, 1.5756e+00],
[1.8498e+00, 3.3812e-04, 1.7120e-01],
[8.2939e+00, 1.6549e-02, 4.6339e-01],
[1.3724e+00, 1.6307e-04, 1.6611e-01],
[2.7580e+00, 1.8644e-03, 2.0901e-01],
[7.2165e-01, 2.1284e-04, 1.0441e-01],
[5.6458e+00, 2.2383e-03, 3.7024e-01],
[1.3162e+00, 1.1824e-03, 1.4661e-01],
[1.5688e+01, 1.6881e-02, 7.9905e-01],
[1.3333e-01, 2.8154e-06, 1.4599e-02],
[5.0244e+00, 1.0966e-03, 3.2971e-01],
[1.7007e+01, 1.2416e-03, 7.0137e-01]], dtype=torch.float64)
Iteration: 89
Inputs: tensor([[8.5660e+19, 9.2318e+01, 1.2269e+00, 8.6817e+00],
               [2.0106e+18, 1.2120e+02, 1.3817e+01, 9.3925e+00],
               [2.0396e+18, 1.3315e+02, 9.4636e+00, 4.8719e+00],
               ...,
               [3.1674e+20, 7.8463e+01, 1.2195e+01, 3.2496e+00],
               [5.5941e+20, 1.5055e+02, 5.3298e+00, 4.0611e+00],
               [1.7368e+20, 4.7271e+02, 7.2165e+00, 6.2819e+00]]), dtype=torch.float64)
Target: tensor([[2.4718e+01, 9.4507e-02, 1.1123e+00],
               [6.7551e-02, 4.9076e-06, 9.0364e-03],
               [5.9905e-02, 1.2741e-06, 8.1341e-03],
               [2.2199e+00, 8.3655e-04, 1.3815e-01],

```



[1.7325e+02, 4.0335e-01, 4.6709e+00],  
 [3.1226e+00, 1.6852e-03, 1.8154e-01],  
 [7.3937e-01, 1.0233e-04, 5.1168e-02],  
 [1.2440e+01, 3.1547e-02, 5.6711e-01],  
 [1.0111e+02, 5.0474e-01, 1.8758e+00],  
 [8.7542e+00, 2.4264e-02, 6.0090e-01],  
 [3.6244e-01, 2.0274e-05, 5.4080e-02],  
 [2.6345e-01, 3.7255e-05, 3.2957e-02],  
 [2.2797e-02, 5.5548e-07, 3.2268e-03],  
 [4.4460e+00, 5.9132e-03, 4.1196e-01],  
 [1.2063e+02, 1.6659e+00, 2.6401e+00],  
 [2.1678e-01, 2.1966e-05, 2.7364e-02],  
 [7.4065e+00, 1.2260e-02, 3.1981e-01],  
 [1.8915e-01, 2.3942e-06, 2.4241e-02],  
 [1.7592e+02, 5.8810e+00, 3.5130e+00],  
 [1.8975e+01, 8.4463e-02, 1.4046e+00],  
 [2.1473e+01, 5.3186e-02, 1.2355e+00],  
 [3.2129e-01, 2.9623e-05, 3.1647e-02],  
 [2.0566e-01, 6.7335e-06, 3.0975e-02],  
 [3.4002e-02, 3.7402e-07, 4.9443e-03],  
 [5.1553e+00, 4.3286e-04, 3.6967e-01],  
 [1.7622e-01, 4.3979e-06, 2.4058e-02],  
 [3.8326e-01, 1.0478e-04, 5.2410e-02],  
 [6.5284e-02, 1.3287e-06, 8.1627e-03],  
 [1.4721e+00, 2.0508e-04, 1.2851e-01],  
 [7.8529e+01, 7.4163e-01, 1.6509e+00],  
 [1.8216e+01, 1.0705e-01, 7.3871e-01],  
 [1.5150e+00, 1.1789e-03, 1.1436e-01],  
 [6.7394e+01, 5.0323e-01, 3.4106e+00],  
 [7.1201e+01, 4.5821e-01, 1.4698e+00],  
 [1.5043e+02, 6.4460e+00, 4.3164e+00],  
 [6.5128e-01, 1.5965e-04, 6.6941e-02],  
 [1.8144e+01, 4.2189e-02, 6.0201e-01],  
 [5.4981e+01, 1.0715e-01, 2.3411e+00],  
 [2.6300e+00, 5.4874e-04, 2.8217e-01],  
 [1.7301e+00, 6.5597e-05, 1.3338e-01],  
 [3.4963e-01, 1.5677e-05, 3.2396e-02],  
 [4.3913e+01, 5.6347e-01, 1.8291e+00],  
 [3.4818e+00, 8.5378e-04, 2.2133e-01],  
 [2.1323e+01, 4.0306e-02, 6.1873e-01],  
 [9.3201e-03, 2.4141e-08, 1.4404e-03],  
 [3.3492e-01, 7.1174e-05, 3.2184e-02],  
 [2.2105e+01, 5.6683e-03, 7.2978e-01],  
 [2.6177e-01, 6.3006e-06, 2.3186e-02],  
 [1.1820e+01, 1.7674e-03, 5.7197e-01],  
 [7.4191e+00, 7.8408e-03, 3.9337e-01],  
 [3.9875e+01, 1.4558e-01, 2.8328e+00],  
 [4.4150e-01, 1.1257e-04, 4.5223e-02],

[8.1885e-01, 1.4488e-04, 7.7450e-02],  
[4.6312e+00, 2.1940e-03, 4.0009e-01],  
[1.0691e+02, 1.0472e+00, 2.9187e+00],  
[6.5896e-01, 1.0918e-04, 5.4206e-02],  
[5.3955e+01, 2.3631e-01, 2.3949e+00],  
[1.5511e+00, 1.9923e-04, 1.3598e-01],  
[1.8170e+00, 3.5418e-03, 2.4722e-01],  
[3.7716e-01, 1.6900e-04, 4.6878e-02],  
[2.7657e+01, 7.4647e-02, 1.4115e+00],  
[1.1223e+00, 2.4666e-04, 1.2237e-01],  
[7.7215e+01, 3.5598e-01, 3.2261e+00],  
[4.3977e+01, 2.2495e-01, 1.9477e+00],  
[6.4215e+01, 1.7652e-01, 1.9558e+00],  
[1.8958e-01, 2.1775e-05, 2.3098e-02],  
[5.3986e-02, 2.9811e-07, 7.3388e-03],  
[8.1101e-01, 1.4526e-04, 9.7377e-02],  
[1.6657e-01, 2.0629e-05, 2.0341e-02],  
[6.6223e-02, 1.2071e-06, 8.5182e-03],  
[1.0101e+02, 1.8934e+00, 2.4153e+00],  
[8.7996e+01, 4.9206e-01, 2.3426e+00],  
[3.0171e+01, 3.3349e-01, 1.1872e+00],  
[8.9907e+00, 1.0567e-02, 5.2518e-01],  
[1.7720e+00, 6.3940e-04, 2.3892e-01],  
[4.4435e+01, 3.0626e-01, 1.9555e+00],  
[4.7020e+00, 6.6837e-03, 2.8474e-01],  
[4.1208e+01, 8.2258e-02, 1.5404e+00],  
[7.4664e-01, 4.1324e-05, 9.9408e-02],  
[3.3766e+00, 6.4274e-03, 2.4040e-01],  
[1.7498e+02, 4.4711e-01, 3.1416e+00],  
[2.8666e-01, 1.8510e-05, 3.4048e-02],  
[4.2713e+01, 3.3580e-02, 2.1343e+00],  
[2.0192e+01, 7.0440e-02, 9.1197e-01],  
[1.5740e+00, 7.8390e-04, 1.3226e-01],  
[3.1687e+00, 1.4899e-03, 2.6742e-01],  
[2.0575e+02, 5.8570e+00, 4.6446e+00],  
[1.1619e+02, 2.6103e+00, 3.0003e+00],  
[1.2960e+00, 1.6564e-04, 9.8488e-02],  
[4.0585e-01, 1.5263e-04, 5.1127e-02],  
[7.7411e+00, 6.6469e-03, 5.2235e-01],  
[2.8774e-03, 5.8673e-10, 4.5394e-04],  
[1.4386e+02, 1.6785e+00, 3.0134e+00],  
[1.7076e+01, 5.5286e-03, 1.3716e+00],  
[3.8522e+00, 2.0238e-03, 2.6121e-01],  
[1.2991e+02, 8.8853e-01, 4.3632e+00],  
[4.2095e+01, 2.4665e-01, 1.1228e+00],  
[1.2862e+00, 1.0951e-03, 1.3203e-01],  
[2.1456e+00, 1.7934e-03, 2.4283e-01],  
[7.4014e+00, 1.5344e-02, 3.9203e-01],

[4.8106e+00, 4.8839e-03, 3.2648e-01],  
 [1.9972e+01, 6.7159e-03, 7.6255e-01],  
 [2.9453e+01, 4.9994e-02, 1.3708e+00],  
 [3.0584e+00, 7.7200e-04, 2.6763e-01],  
 [2.2520e+02, 6.2216e+00, 4.7764e+00],  
 [5.1411e+01, 5.2882e-01, 1.8828e+00],  
 [1.8996e+00, 4.8251e-05, 1.1422e-01],  
 [4.0881e-02, 7.9653e-08, 5.7710e-03],  
 [9.7625e+01, 4.6536e-01, 3.6678e+00],  
 [5.8824e-02, 5.6223e-07, 8.7112e-03],  
 [3.0718e+01, 2.6554e-02, 7.9827e-01],  
 [1.2033e+02, 7.1319e-01, 2.4725e+00],  
 [1.4043e+01, 3.5015e-02, 7.5884e-01],  
 [3.2252e+01, 3.5030e-01, 1.2868e+00],  
 [3.5442e-01, 8.7271e-05, 4.3154e-02],  
 [3.1351e+02, 7.9057e+00, 4.8737e+00],  
 [5.8528e+01, 1.2303e-01, 2.0465e+00],  
 [1.7513e+00, 8.7920e-04, 1.4880e-01],  
 [8.8338e-01, 1.4238e-04, 7.8407e-02],  
 [6.4512e+01, 1.3104e+00, 2.5501e+00],  
 [1.2524e+02, 2.0216e+00, 4.1669e+00],  
 [3.5008e+01, 4.1421e-02, 9.0867e-01],  
 [1.4703e-01, 3.4530e-06, 1.7630e-02],  
 [8.1236e-01, 2.1317e-04, 7.4872e-02],  
 [2.7172e-02, 1.2288e-07, 3.8262e-03],  
 [4.1822e+00, 4.3435e-03, 4.2088e-01],  
 [4.0074e-01, 6.2603e-05, 3.6120e-02],  
 [8.0167e+00, 9.4878e-03, 5.3150e-01],  
 [1.3940e+02, 4.0693e+00, 3.6789e+00],  
 [1.6882e-01, 1.1067e-06, 1.9295e-02],  
 [2.1752e+02, 9.2550e+00, 4.4786e+00],  
 [1.2637e+00, 1.2328e-03, 1.5110e-01],  
 [3.9538e+01, 5.3723e-01, 1.1685e+00],  
 [5.6867e+01, 1.2368e-01, 3.3888e+00],  
 [2.3154e+00, 1.0472e-03, 1.3515e-01],  
 [2.1859e-02, 3.8956e-07, 3.1906e-03],  
 [1.2050e+01, 1.1483e-01, 1.0858e+00],  
 [7.2363e+01, 3.4194e-01, 1.8759e+00],  
 [1.3741e-02, 2.1973e-08, 2.1317e-03],  
 [1.6230e+00, 9.0470e-04, 1.1879e-01],  
 [1.5019e+00, 4.5430e-04, 9.6379e-02],  
 [3.0150e-02, 1.4830e-07, 4.7555e-03],  
 [1.7974e+00, 4.6738e-04, 9.9435e-02],  
 [5.5571e+01, 2.1271e-01, 2.5011e+00],  
 [3.9829e-01, 8.9456e-07, 3.3516e-02],  
 [3.0166e-02, 5.9582e-08, 4.2441e-03],  
 [3.2253e+01, 1.4989e-01, 1.3063e+00],  
 [2.3928e+00, 4.7737e-04, 2.2522e-01],

[7.9240e+00, 2.0232e-02, 4.4675e-01],  
 [1.3373e+02, 3.4414e+00, 2.8712e+00],  
 [4.9324e+00, 9.8849e-03, 3.2463e-01],  
 [1.6973e-01, 2.4324e-05, 1.8311e-02],  
 [2.2455e+01, 7.6819e-02, 1.0489e+00],  
 [1.6405e+01, 8.3229e-02, 1.5820e+00],  
 [1.8777e+02, 3.0120e+00, 4.6167e+00],  
 [6.1779e+00, 1.7368e-02, 6.2227e-01],  
 [1.7631e+00, 1.0655e-04, 1.6536e-01],  
 [9.0711e+01, 8.5067e-01, 3.7071e+00],  
 [9.7160e+00, 2.2617e-02, 5.5914e-01],  
 [3.3443e+01, 1.2520e-01, 1.5009e+00],  
 [1.3724e+00, 2.8820e-04, 1.9100e-01],  
 [1.0596e+01, 5.2055e-03, 6.5412e-01],  
 [1.9360e+00, 5.5218e-04, 1.2151e-01],  
 [4.9386e-02, 1.0311e-06, 7.4430e-03],  
 [2.8330e-01, 2.1196e-05, 3.1587e-02],  
 [3.5457e+00, 7.6196e-04, 2.8749e-01],  
 [1.0484e+02, 7.3640e-01, 3.7803e+00],  
 [1.9015e-03, 2.8790e-09, 3.0345e-04],  
 [2.3086e+01, 9.9492e-02, 9.7120e-01],  
 [1.4857e+00, 1.1440e-03, 1.3650e-01],  
 [2.2650e+00, 9.7063e-04, 1.8188e-01],  
 [3.3854e-01, 3.6341e-05, 2.8552e-02],  
 [8.5351e+00, 1.6037e-02, 4.8066e-01],  
 [2.1181e-02, 1.0744e-07, 3.0631e-03],  
 [2.1176e+01, 5.2119e-02, 8.4815e-01],  
 [9.6359e-01, 2.1261e-04, 8.0037e-02],  
 [1.1619e+01, 5.9277e-03, 5.1490e-01],  
 [1.9630e+00, 1.5732e-03, 1.7272e-01],  
 [2.1823e+00, 1.9511e-03, 1.4890e-01],  
 [7.1604e+01, 1.9737e-01, 2.7320e+00],  
 [9.7150e-03, 1.9172e-08, 1.5000e-03],  
 [1.2573e+00, 5.3221e-04, 1.1864e-01],  
 [3.7877e+01, 8.4240e-02, 2.1533e+00],  
 [9.8242e+01, 1.1942e+00, 3.2182e+00],  
 [2.8280e+00, 2.6096e-03, 2.3677e-01],  
 [5.4079e+00, 1.0443e-03, 3.4675e-01],  
 [1.0906e-01, 3.8673e-06, 1.4606e-02],  
 [1.2900e+02, 3.0159e+00, 3.2343e+00],  
 [1.2697e-02, 2.2085e-08, 1.8879e-03],  
 [3.6936e-01, 4.8121e-05, 4.9390e-02],  
 [5.8492e+00, 2.7934e-03, 5.7596e-01],  
 [1.4058e+01, 3.1636e-03, 6.6534e-01],  
 [4.6141e+00, 1.5664e-02, 4.2849e-01],  
 [5.0292e+01, 9.3333e-02, 1.9402e+00],  
 [2.0241e+01, 8.0721e-02, 7.7672e-01],  
 [3.9925e+01, 8.3169e-02, 1.4408e+00],

[1.3286e+01, 1.1828e-03, 5.1083e-01],  
 [5.4833e+01, 3.3120e-01, 2.9258e+00],  
 [4.2402e+00, 9.8892e-03, 3.2396e-01],  
 [1.2104e+01, 3.0378e-02, 9.2868e-01],  
 [3.7220e-02, 5.2317e-08, 5.2235e-03],  
 [8.2084e+01, 1.0435e+00, 2.2067e+00],  
 [1.3277e+00, 6.1312e-04, 1.2154e-01],  
 [1.6665e+01, 1.4119e-02, 1.1455e+00],  
 [1.4861e+00, 7.7262e-04, 1.1593e-01],  
 [1.2542e+00, 3.4801e-04, 9.0999e-02],  
 [2.7621e+00, 7.4674e-05, 1.7044e-01],  
 [2.4237e-02, 1.6650e-07, 3.8240e-03],  
 [1.0022e+01, 6.4586e-03, 6.9631e-01],  
 [9.1669e+01, 3.1062e+00, 3.9246e+00],  
 [2.8684e-01, 4.1269e-05, 2.5141e-02],  
 [4.6203e+01, 1.0340e-01, 2.8308e+00],  
 [1.1194e-01, 1.3235e-06, 1.6185e-02],  
 [4.0306e+01, 4.8450e-01, 1.5865e+00],  
 [2.0026e+02, 4.5691e+00, 3.2858e+00],  
 [3.1816e+00, 1.5286e-03, 1.9187e-01],  
 [6.6602e-01, 4.2821e-05, 8.0169e-02],  
 [5.4617e-02, 3.9467e-07, 7.3742e-03],  
 [3.9991e+01, 5.1613e-02, 1.6791e+00],  
 [4.6818e+00, 3.3266e-03, 4.2730e-01],  
 [3.3836e+01, 1.9072e-01, 1.3883e+00],  
 [1.6634e+01, 9.8656e-02, 1.0349e+00],  
 [5.3716e+01, 4.3427e-01, 1.2825e+00],  
 [1.6361e+02, 1.1472e+00, 3.6447e+00],  
 [8.7872e+00, 3.3408e-02, 7.6959e-01],  
 [3.1964e+01, 6.7487e-02, 2.2246e+00],  
 [1.1709e+01, 7.7907e-03, 9.2650e-01],  
 [1.4535e+02, 1.9604e+00, 3.7854e+00],  
 [1.6958e+01, 5.1912e-02, 6.4054e-01],  
 [9.2163e+01, 1.6117e+00, 3.3898e+00],  
 [7.2094e-02, 6.6193e-06, 1.0992e-02],  
 [3.4066e-01, 2.1706e-05, 3.2671e-02],  
 [1.1947e+02, 1.4695e+00, 3.1643e+00],  
 [2.0816e+01, 2.7683e-02, 7.0756e-01],  
 [4.0511e+01, 1.5615e-01, 1.2955e+00],  
 [4.6187e+00, 3.2335e-04, 2.5785e-01],  
 [9.3099e+01, 8.2209e-01, 2.0153e+00],  
 [3.4424e+00, 5.0410e-03, 3.5856e-01],  
 [8.8829e+00, 1.3389e-03, 4.0857e-01],  
 [8.4716e-01, 9.9840e-05, 6.6740e-02],  
 [5.7461e+01, 1.3974e-01, 1.5626e+00],  
 [3.5565e-02, 8.6181e-07, 5.2173e-03],  
 [5.3510e+00, 4.7015e-03, 2.4083e-01],  
 [3.0747e+01, 9.2360e-02, 1.4214e+00],

[5.3892e-01, 6.0404e-05, 5.3157e-02],  
 [3.6463e-01, 4.5456e-05, 4.0643e-02],  
 [6.7284e-01, 1.4015e-04, 6.6726e-02],  
 [5.1195e-02, 2.9484e-07, 6.9652e-03],  
 [2.5620e+01, 7.8349e-02, 7.5180e-01],  
 [3.8772e-01, 9.5210e-05, 4.8087e-02],  
 [1.2683e+01, 2.1225e-02, 6.5094e-01],  
 [6.1340e+00, 1.4354e-03, 3.8510e-01],  
 [3.0670e-01, 2.3019e-05, 2.5709e-02],  
 [1.2437e+00, 1.8131e-04, 8.2409e-02],  
 [9.7177e+01, 1.6301e+00, 2.5527e+00],  
 [4.0123e+01, 1.7460e-01, 1.3585e+00],  
 [5.9139e-01, 6.6285e-05, 5.1109e-02],  
 [1.6421e-02, 1.7264e-07, 2.5358e-03],  
 [3.6039e-01, 7.0512e-06, 3.6600e-02],  
 [2.2330e+01, 6.2474e-02, 9.3826e-01],  
 [1.0455e+01, 1.0593e-02, 3.9301e-01],  
 [4.7254e-01, 1.2437e-04, 4.0138e-02],  
 [1.9866e+01, 1.1414e-01, 1.2286e+00],  
 [7.7918e-03, 3.3553e-08, 1.2296e-03],  
 [1.5730e+00, 1.0985e-03, 1.2306e-01],  
 [5.2153e+01, 1.5734e-01, 2.4531e+00],  
 [1.3207e+01, 1.5730e-02, 8.3778e-01],  
 [1.0786e+00, 4.3564e-05, 1.2572e-01],  
 [1.5399e+01, 1.2924e-01, 1.2390e+00],  
 [2.5764e+02, 2.7923e+00, 4.6846e+00],  
 [8.6160e-01, 1.4716e-04, 8.4146e-02],  
 [5.5545e+00, 3.0440e-04, 3.0525e-01],  
 [4.7958e+00, 5.7594e-03, 2.4439e-01],  
 [8.7839e+00, 6.3901e-03, 7.5673e-01],  
 [8.9157e+01, 9.7636e-01, 2.0350e+00],  
 [8.8862e-01, 4.8688e-05, 6.9760e-02],  
 [8.1995e+00, 3.0778e-02, 6.6068e-01],  
 [6.6281e-02, 7.8112e-07, 9.2628e-03],  
 [1.3010e+00, 6.5048e-04, 1.6547e-01],  
 [9.0124e-03, 8.2633e-08, 1.3973e-03],  
 [7.6150e+01, 1.6679e-01, 2.1776e+00],  
 [1.7640e+01, 7.9423e-02, 6.7347e-01],  
 [2.8725e+01, 1.1964e-01, 1.3507e+00],  
 [1.5121e+02, 6.2188e+00, 3.9295e+00],  
 [1.7120e+01, 1.1228e-02, 9.6294e-01],  
 [1.9603e+02, 6.2324e+00, 3.8917e+00],  
 [3.0048e-02, 8.5582e-07, 4.5984e-03],  
 [7.3140e-01, 6.2550e-05, 5.3298e-02],  
 [7.8037e-01, 3.5042e-04, 9.7478e-02],  
 [2.1781e+02, 1.7185e+00, 4.4558e+00],  
 [7.3965e+01, 6.5310e-01, 1.4592e+00],  
 [4.5919e+01, 1.2318e-01, 8.8073e-01],

```

[6.8217e-01, 1.6856e-04, 8.8632e-02],
[3.2041e-02, 1.7584e-07, 4.5473e-03],
[9.7560e+01, 3.1026e+00, 2.9126e+00],
[2.6149e-02, 3.8808e-08, 3.8898e-03],
[3.5266e+00, 3.6748e-03, 2.0507e-01],
[1.1421e+01, 1.1280e-02, 4.2439e-01],
[5.0528e+01, 3.3621e-01, 2.4212e+00],
[8.0123e-01, 2.9264e-04, 1.0563e-01],
[1.1470e-02, 3.0547e-08, 1.6998e-03],
[9.0497e+00, 1.0152e-02, 3.5771e-01],
[1.3478e+02, 1.2182e+00, 3.6465e+00],
[1.9316e+01, 6.9962e-02, 8.5410e-01],
[7.6518e-01, 5.3817e-06, 6.0454e-02],
[2.0689e+01, 2.9113e-02, 6.6975e-01],
[1.0767e+00, 2.5523e-04, 9.7300e-02],
[2.6003e+02, 4.3997e+00, 4.1970e+00],
[9.9841e+01, 1.5633e+00, 4.1999e+00],
[1.5449e+01, 5.9564e-02, 8.3278e-01],
[1.6950e+00, 3.2468e-04, 1.0837e-01],
[8.7109e+00, 3.2074e-02, 4.6454e-01],
[4.5457e+01, 4.0650e-01, 1.3538e+00],
[1.3068e-01, 6.2486e-07, 1.5166e-02],
[4.2470e+01, 4.6020e-01, 1.8222e+00],
[1.9204e+00, 2.5671e-04, 1.4363e-01],
[3.8550e+01, 9.3296e-02, 1.5348e+00],
[1.1324e+01, 2.4177e-02, 1.0624e+00],
[8.5402e+01, 3.9391e-01, 3.3179e+00],
[8.8892e+01, 7.5809e-01, 1.9786e+00]], dtype=torch.float64)
Iteration: 90
Inputs: tensor([[3.4628e+20, 2.8695e+02, 1.8212e+01, 5.5967e+00],
[4.8086e+20, 4.5583e+01, 5.9574e+00, 4.1431e+00],
[3.3088e+20, 4.4079e+01, 8.9235e+00, 3.8592e+00],
...,
[3.9391e+19, 2.4440e+02, 8.9097e+00, 5.4509e+00],
[1.2038e+19, 1.2298e+02, 1.8600e+01, 1.8745e+00],
[7.0000e+18, 1.2531e+02, 2.0315e+00, 3.4983e+00]], dtype=torch.float64)
Target: tensor([[6.2686e+01, 7.6470e-01, 2.5315e+00],
[1.9219e+01, 4.9420e-02, 1.6226e+00],
[8.2935e+00, 1.5049e-02, 8.5722e-01],
[1.5946e-01, 1.0200e-05, 1.6314e-02],
[2.3488e+00, 1.1541e-03, 1.8791e-01],
[3.1133e-01, 3.2769e-05, 3.5106e-02],
[1.9195e-03, 3.4998e-09, 3.0979e-04],
[1.6409e+00, 1.3991e-04, 1.2362e-01],
[4.6560e+01, 3.3252e-01, 2.8772e+00],
[2.1150e-01, 5.8516e-06, 2.5312e-02],
[1.4320e+01, 1.3638e-02, 1.1996e+00],
[7.3131e+00, 7.0198e-03, 6.6797e-01],

```

[3.5392e+01, 1.6912e-01, 1.0825e+00],  
 [7.0640e+00, 6.6323e-03, 3.0851e-01],  
 [1.1258e+01, 4.5138e-02, 6.0684e-01],  
 [1.1079e+00, 1.9555e-04, 1.1643e-01],  
 [1.5788e+02, 1.0526e+00, 3.2974e+00],  
 [3.5619e-03, 3.0597e-09, 5.6749e-04],  
 [8.8242e+01, 7.1490e-01, 3.6948e+00],  
 [2.1796e+01, 1.5781e-02, 7.2161e-01],  
 [7.6246e+01, 6.4966e-01, 2.4223e+00],  
 [4.5486e-03, 4.8487e-09, 7.3367e-04],  
 [5.1997e+00, 2.7759e-03, 4.9332e-01],  
 [1.8166e-01, 8.9263e-06, 2.4994e-02],  
 [2.7134e+00, 4.6771e-04, 1.6448e-01],  
 [3.3935e+00, 1.8279e-03, 4.4912e-01],  
 [4.7498e+01, 2.0019e-01, 1.8611e+00],  
 [3.3878e+01, 8.4588e-02, 7.6829e-01],  
 [3.7663e+00, 1.5056e-03, 3.1199e-01],  
 [1.5634e+01, 4.0332e-02, 1.1456e+00],  
 [2.8040e+00, 6.3526e-03, 2.9098e-01],  
 [2.5177e+01, 7.7487e-02, 7.3087e-01],  
 [5.2701e-01, 1.1097e-04, 5.4956e-02],  
 [2.6114e-01, 1.1080e-05, 2.6982e-02],  
 [4.8166e+01, 5.5732e-01, 2.1687e+00],  
 [8.9969e-02, 3.8040e-06, 1.1539e-02],  
 [2.8466e-02, 1.1430e-07, 3.9993e-03],  
 [4.3282e+00, 7.5830e-04, 4.0805e-01],  
 [9.9993e-01, 5.0638e-04, 8.8016e-02],  
 [4.0578e-03, 1.8772e-08, 6.3074e-04],  
 [1.8385e+00, 1.1364e-03, 1.8238e-01],  
 [4.0969e+01, 2.0510e-01, 1.3063e+00],  
 [5.7476e-01, 3.8491e-05, 7.5292e-02],  
 [8.4801e+00, 1.1533e-02, 3.3963e-01],  
 [2.4711e+00, 5.8764e-04, 1.4756e-01],  
 [6.5684e+01, 3.4866e-02, 1.3441e+00],  
 [3.8925e+01, 1.8279e-01, 1.6927e+00],  
 [4.2513e+00, 5.2708e-03, 2.7254e-01],  
 [2.0077e+00, 5.7481e-03, 2.3254e-01],  
 [3.1274e+01, 1.4124e-01, 2.4169e+00],  
 [7.0141e+01, 1.8339e+00, 2.3685e+00],  
 [3.0906e+00, 4.7174e-03, 2.4416e-01],  
 [4.4344e+01, 4.0443e-01, 3.0521e+00],  
 [1.6337e+01, 4.0905e-02, 8.4270e-01],  
 [1.0494e+01, 6.9819e-02, 1.1627e+00],  
 [5.3463e+01, 7.5187e-01, 2.0644e+00],  
 [5.2380e+00, 1.3885e-03, 4.4732e-01],  
 [1.9061e+01, 2.2166e-03, 7.8100e-01],  
 [1.7547e+01, 3.3929e-02, 6.3707e-01],  
 [1.5579e-01, 2.9829e-06, 1.9559e-02],



[5.6233e-02, 4.4070e-07, 7.5465e-03],  
[9.0597e+00, 1.5774e-02, 4.4197e-01],  
[1.1764e+00, 2.0506e-04, 1.0275e-01],  
[3.6523e+00, 1.0574e-03, 2.0351e-01],  
[5.4140e-01, 9.3215e-05, 7.1001e-02],  
[6.5616e-02, 7.9067e-06, 9.8624e-03],  
[3.9566e-02, 1.1734e-06, 5.6162e-03],  
[1.6346e-01, 1.8422e-05, 1.9541e-02],  
[1.9248e+01, 1.1010e-01, 9.4583e-01],  
[2.0732e+00, 1.2290e-03, 1.9541e-01],  
[6.3043e-01, 3.4014e-05, 7.9052e-02],  
[1.4632e+01, 1.5132e-02, 1.2526e+00],  
[3.9957e+01, 5.5796e-02, 2.7209e+00],  
[1.2763e+02, 4.7083e-01, 4.5687e+00],  
[1.3103e+02, 2.0624e+00, 3.1014e+00],  
[2.4398e+01, 1.3995e-01, 1.1864e+00],  
[2.2520e+01, 1.8918e-01, 1.6290e+00],  
[2.5278e+00, 1.1994e-03, 2.8999e-01],  
[1.2428e+02, 2.1047e+00, 4.3653e+00],  
[5.9546e+00, 1.3132e-03, 3.1259e-01],  
[7.6426e+00, 1.3602e-02, 5.4622e-01],  
[9.5828e-02, 1.0300e-05, 1.3322e-02],  
[2.6642e+01, 2.6238e-01, 1.2550e+00],  
[1.3491e+02, 7.9398e-01, 2.3077e+00],  
[5.6912e+00, 9.8962e-04, 2.8139e-01],  
[2.5352e-01, 1.9517e-05, 2.6969e-02],  
[1.9649e+01, 9.4846e-02, 8.8638e-01],  
[5.2415e+00, 5.0334e-03, 3.5417e-01],  
[7.0417e+00, 7.9217e-03, 5.0393e-01],  
[7.4542e+01, 2.5653e-01, 3.7778e+00],  
[5.6958e-02, 1.2157e-06, 8.0879e-03],  
[5.7317e+01, 4.4704e-01, 2.4144e+00],  
[1.3745e-02, 7.7113e-08, 2.1091e-03],  
[1.8304e+01, 4.1653e-02, 1.3068e+00],  
[5.0828e-01, 1.8552e-04, 5.4488e-02],  
[6.9954e+01, 5.3687e-01, 2.2673e+00],  
[2.5211e+01, 3.8376e-01, 1.9127e+00],  
[3.0868e+00, 6.7741e-03, 3.7514e-01],  
[1.2652e+01, 8.9813e-03, 8.0863e-01],  
[2.5131e+01, 2.2511e-01, 1.2445e+00],  
[1.4315e+02, 1.4395e+00, 3.8739e+00],  
[4.2026e+01, 5.3069e-02, 1.6948e+00],  
[1.4762e-01, 4.4312e-06, 1.8672e-02],  
[1.7457e+00, 6.5235e-04, 1.4837e-01],  
[1.3205e+02, 1.5952e-01, 3.4576e+00],  
[1.4739e+00, 5.4090e-04, 1.3218e-01],  
[9.1661e+00, 2.9386e-03, 3.2677e-01],  
[1.3323e-01, 1.0917e-05, 1.5038e-02],

[8.5501e+01, 7.5197e-01, 2.2097e+00],  
 [4.4984e+00, 2.9976e-04, 2.2805e-01],  
 [1.0121e+02, 1.1919e+00, 2.5840e+00],  
 [1.8500e+01, 5.8384e-03, 6.6757e-01],  
 [7.7265e-01, 1.3886e-04, 9.0803e-02],  
 [3.1809e-01, 2.8642e-05, 3.1112e-02],  
 [1.5996e-02, 2.4576e-08, 2.3897e-03],  
 [1.3481e-01, 4.5501e-06, 1.7415e-02],  
 [6.3354e-01, 2.2657e-04, 7.0152e-02],  
 [3.4769e-01, 1.5333e-04, 4.2534e-02],  
 [1.1201e+01, 2.2478e-03, 6.3667e-01],  
 [2.3780e-01, 1.1819e-05, 3.2605e-02],  
 [5.5191e-01, 1.0441e-04, 4.8386e-02],  
 [2.4954e+01, 7.0736e-02, 8.6898e-01],  
 [9.2992e+01, 3.3173e-01, 3.7123e+00],  
 [1.8505e+00, 3.9005e-04, 1.4213e-01],  
 [1.6118e+00, 2.7288e-04, 1.3074e-01],  
 [1.6892e+02, 4.5127e+00, 3.9514e+00],  
 [1.2216e+02, 2.7873e+00, 2.5557e+00],  
 [2.5092e+01, 1.2939e-01, 7.6276e-01],  
 [8.1663e-02, 3.5235e-06, 1.1751e-02],  
 [6.0439e-03, 6.9716e-08, 9.2923e-04],  
 [4.8761e+01, 4.6711e-01, 1.1954e+00],  
 [6.0770e+00, 1.3627e-03, 3.0743e-01],  
 [2.3279e+01, 2.1975e-01, 1.3794e+00],  
 [8.5696e-02, 1.2440e-06, 1.2200e-02],  
 [1.7914e-02, 1.8128e-07, 2.6323e-03],  
 [1.0295e+01, 2.7910e-02, 6.2613e-01],  
 [2.9765e+00, 1.9418e-03, 2.6111e-01],  
 [2.7261e+01, 1.2214e-01, 7.4389e-01],  
 [4.6238e-01, 1.2469e-05, 3.2652e-02],  
 [1.6096e+00, 3.5130e-04, 1.0447e-01],  
 [9.4765e+01, 6.8086e-01, 2.5154e+00],  
 [1.0286e+00, 3.6181e-04, 1.1603e-01],  
 [2.8267e-01, 1.7610e-05, 3.4580e-02],  
 [7.2609e-02, 5.9900e-06, 1.0081e-02],  
 [6.4952e-01, 2.9677e-04, 6.6399e-02],  
 [2.1623e+02, 1.2024e+01, 4.3575e+00],  
 [6.4875e-02, 5.2384e-07, 8.6956e-03],  
 [5.8080e-02, 8.5729e-07, 7.4893e-03],  
 [1.6350e+00, 6.9517e-04, 1.2599e-01],  
 [3.5189e+01, 1.2291e-01, 1.1257e+00],  
 [7.2574e+01, 4.2544e-01, 1.5224e+00],  
 [3.0940e+01, 8.5144e-02, 1.3707e+00],  
 [3.0432e-02, 5.0698e-07, 4.3111e-03],  
 [1.3349e+00, 9.6222e-05, 8.3998e-02],  
 [5.5838e+01, 6.1308e-01, 2.9028e+00],  
 [8.7307e+01, 3.8267e-01, 3.9342e+00],

[1.5520e+00, 7.9230e-04, 1.0806e-01],  
 [1.0229e+00, 4.1454e-04, 8.3034e-02],  
 [2.5893e-01, 4.4918e-05, 3.1988e-02],  
 [8.2117e+00, 5.1944e-03, 7.5393e-01],  
 [1.1115e+02, 3.4279e+00, 3.1992e+00],  
 [1.9217e+02, 6.0176e+00, 4.1528e+00],  
 [1.0713e-01, 1.6799e-07, 1.2688e-02],  
 [1.7916e-01, 1.0229e-06, 1.8871e-02],  
 [4.0740e+00, 2.5132e-03, 4.1062e-01],  
 [6.3706e+00, 1.2025e-02, 3.7492e-01],  
 [1.3177e+02, 3.6626e+00, 3.3539e+00],  
 [5.1067e-01, 6.7294e-05, 4.8564e-02],  
 [1.4566e+02, 3.0521e+00, 4.2895e+00],  
 [1.4841e-01, 1.3093e-05, 1.8566e-02],  
 [6.7244e+01, 8.2697e-01, 1.9499e+00],  
 [2.2128e-01, 1.7934e-05, 3.1889e-02],  
 [5.7671e-01, 9.2309e-05, 5.6009e-02],  
 [1.0058e+02, 7.6502e-01, 4.2485e+00],  
 [3.3716e+01, 1.6680e-01, 8.7406e-01],  
 [8.6228e-01, 2.2920e-04, 7.1144e-02],  
 [1.3247e+02, 3.8841e-01, 3.7975e+00],  
 [1.0067e+01, 1.7351e-02, 4.3510e-01],  
 [4.9788e+00, 1.7658e-03, 3.2452e-01],  
 [1.0320e+01, 3.6657e-02, 5.0874e-01],  
 [4.2751e+01, 5.2536e-01, 1.2007e+00],  
 [5.4941e+00, 8.1842e-03, 4.0127e-01],  
 [6.0700e-03, 6.1597e-09, 9.3608e-04],  
 [4.4127e+01, 1.3925e-01, 2.5577e+00],  
 [2.4873e+01, 1.0037e-01, 1.1301e+00],  
 [9.8810e+01, 7.3077e-01, 3.3722e+00],  
 [1.9678e+00, 5.2611e-04, 1.3646e-01],  
 [4.9773e+01, 4.7971e-01, 2.3293e+00],  
 [1.4272e+01, 3.2938e-02, 5.8036e-01],  
 [2.1625e+01, 2.2820e-02, 6.2500e-01],  
 [9.4334e+00, 1.9999e-02, 1.0415e+00],  
 [1.7055e+00, 1.8491e-04, 1.3792e-01],  
 [2.0242e-02, 2.1317e-07, 2.9079e-03],  
 [2.9774e+01, 2.1513e-01, 9.7543e-01],  
 [2.9266e+02, 9.7400e+00, 4.3735e+00],  
 [1.3049e+02, 1.4072e+00, 4.0976e+00],  
 [7.9910e+01, 7.4952e-01, 2.3728e+00],  
 [2.0982e+01, 1.6721e-01, 7.9769e-01],  
 [2.2210e+01, 2.1115e-01, 1.6465e+00],  
 [1.1623e+01, 8.1840e-03, 9.2082e-01],  
 [3.4743e-01, 1.5137e-05, 4.3956e-02],  
 [2.5934e-02, 8.1372e-07, 3.6076e-03],  
 [8.1761e-02, 1.8554e-06, 1.0232e-02],  
 [2.3810e-01, 1.5725e-05, 2.7450e-02],

[8.2971e+00, 4.5185e-02, 6.1065e-01],  
[6.9187e+00, 6.3642e-03, 3.3623e-01],  
[6.5823e+01, 1.9985e-01, 1.9850e+00],  
[1.0191e+01, 9.2277e-03, 9.0733e-01],  
[1.6749e+01, 3.4742e-02, 1.2948e+00],  
[1.1986e+01, 3.8786e-02, 4.6924e-01],  
[1.4184e+01, 3.2448e-02, 1.0469e+00],  
[5.0635e+00, 4.2601e-03, 5.3330e-01],  
[1.3067e+00, 3.3479e-04, 1.1041e-01],  
[3.3802e+01, 1.8768e-01, 1.9423e+00],  
[1.9554e+00, 9.6171e-04, 1.1771e-01],  
[1.5663e+01, 8.3800e-03, 1.1672e+00],  
[7.2004e+00, 1.9909e-02, 7.6644e-01],  
[1.6554e+00, 6.0721e-04, 1.5181e-01],  
[2.5698e-02, 2.0570e-07, 3.9064e-03],  
[1.6896e+02, 7.5530e+00, 4.6507e+00],  
[8.4540e-01, 7.1695e-05, 9.4507e-02],  
[5.4853e+00, 5.8492e-03, 6.7730e-01],  
[1.2446e-02, 9.6767e-09, 1.8658e-03],  
[1.0218e-01, 6.3658e-06, 1.4523e-02],  
[1.1702e+01, 2.1733e-02, 8.5026e-01],  
[2.2417e-01, 3.8627e-06, 2.6479e-02],  
[4.7799e+00, 3.7294e-04, 2.4732e-01],  
[9.7777e+00, 3.1368e-02, 5.1625e-01],  
[1.0463e+02, 6.2318e-01, 2.5316e+00],  
[9.9271e+00, 2.5443e-02, 4.5700e-01],  
[1.1077e+01, 2.6246e-02, 5.0544e-01],  
[3.9404e+00, 1.1164e-03, 2.2925e-01],  
[3.7607e-01, 2.5434e-04, 5.0515e-02],  
[9.2950e+01, 2.3041e+00, 2.7171e+00],  
[6.8564e+00, 2.2759e-03, 3.3159e-01],  
[7.5001e+00, 2.0765e-02, 7.0960e-01],  
[4.7228e+01, 4.4972e-01, 3.0884e+00],  
[5.4316e+01, 1.0581e+00, 1.6840e+00],  
[4.9740e-01, 2.1853e-04, 6.0795e-02],  
[3.1749e-01, 9.0105e-05, 4.4133e-02],  
[6.9226e+00, 1.1201e-02, 4.1906e-01],  
[9.4051e+01, 9.5781e-01, 3.5569e+00],  
[3.1621e+00, 1.9504e-03, 1.9755e-01],  
[7.4069e-01, 1.3552e-04, 7.0745e-02],  
[3.3741e+00, 3.9377e-04, 2.6409e-01],  
[6.5983e-02, 2.8985e-06, 8.8667e-03],  
[4.7706e+01, 2.5531e-01, 1.7851e+00],  
[3.9567e-02, 7.0343e-07, 5.7788e-03],  
[1.5885e+00, 3.4059e-04, 1.3787e-01],  
[5.0727e+01, 8.2186e-01, 2.3254e+00],  
[4.2080e+00, 2.6094e-03, 2.3472e-01],  
[1.3662e+02, 1.5515e+00, 2.6744e+00],

[2.6391e+01, 3.4485e-02, 6.9569e-01],  
 [8.1224e+01, 1.0195e+00, 2.0927e+00],  
 [7.1981e+00, 8.0768e-04, 3.6813e-01],  
 [9.4217e+01, 1.0802e+00, 2.3225e+00],  
 [6.9862e-02, 1.1085e-06, 9.3691e-03],  
 [2.4736e+01, 5.2806e-02, 7.9780e-01],  
 [2.9616e+00, 3.4160e-03, 2.1378e-01],  
 [8.7017e+01, 3.5032e-01, 2.4010e+00],  
 [2.1446e+00, 1.7789e-03, 1.7093e-01],  
 [1.1766e+02, 1.9133e+00, 2.4034e+00],  
 [8.7923e+01, 1.9848e+00, 2.7791e+00],  
 [1.7114e+01, 8.7394e-02, 9.9409e-01],  
 [3.6330e+01, 2.9732e-02, 2.4576e+00],  
 [3.0935e+00, 1.4019e-03, 3.9465e-01],  
 [2.2797e+00, 1.6285e-03, 1.4400e-01],  
 [1.6540e+01, 1.7298e-02, 7.4214e-01],  
 [8.4600e+00, 3.3366e-02, 6.8279e-01],  
 [1.2821e-01, 4.5479e-06, 1.5011e-02],  
 [4.4909e+01, 1.8115e-01, 1.2509e+00],  
 [2.0970e+00, 1.0395e-04, 1.4666e-01],  
 [2.9259e+01, 6.0538e-02, 1.1591e+00],  
 [3.6989e-01, 2.2133e-05, 5.4142e-02],  
 [8.5368e+00, 6.8019e-02, 9.6190e-01],  
 [3.7278e+00, 2.5933e-03, 2.7810e-01],  
 [2.4911e+01, 1.1143e-01, 1.0796e+00],  
 [2.3479e+02, 2.8445e+00, 4.6168e+00],  
 [1.1184e-02, 1.5827e-08, 1.6927e-03],  
 [8.5108e+01, 5.3503e-01, 3.7600e+00],  
 [1.2625e+01, 9.7222e-03, 5.7260e-01],  
 [4.9429e+01, 3.1958e-01, 1.6239e+00],  
 [7.2897e+00, 2.8012e-03, 3.4567e-01],  
 [7.9065e+01, 8.7474e-01, 1.9106e+00],  
 [3.0782e+01, 9.7415e-02, 8.0665e-01],  
 [1.1264e-01, 6.3686e-06, 1.3456e-02],  
 [2.5090e+01, 1.8586e-01, 8.3812e-01],  
 [7.0188e+01, 5.7974e-01, 2.4515e+00],  
 [1.4672e+01, 5.2618e-02, 7.7336e-01],  
 [1.9516e+01, 4.3664e-02, 7.6825e-01],  
 [8.7819e+01, 2.1495e-01, 1.8604e+00],  
 [1.2584e+01, 2.8658e-03, 7.1109e-01],  
 [1.4501e+01, 3.9598e-02, 8.2820e-01],  
 [3.3836e+01, 3.2707e-01, 1.1399e+00],  
 [6.7850e+00, 1.0065e-02, 3.9194e-01],  
 [2.7340e+00, 3.0182e-03, 2.3013e-01],  
 [7.7906e+00, 1.9363e-02, 5.2359e-01],  
 [5.7761e+01, 9.1225e-01, 2.0465e+00],  
 [1.0943e-01, 7.0689e-07, 1.4900e-02],  
 [7.4048e+01, 1.0056e+00, 2.1799e+00],

```

[7.2507e+00, 3.3508e-02, 7.9052e-01],
[8.6185e-01, 4.3838e-04, 1.0183e-01],
[2.5821e-01, 2.6231e-05, 2.7205e-02],
[1.0913e+00, 2.5979e-04, 1.0371e-01],
[1.0943e-01, 2.5168e-06, 1.5899e-02],
[5.8629e-01, 2.9217e-05, 7.1519e-02],
[1.2798e+01, 2.5458e-02, 1.2124e+00],
[2.3710e-01, 2.0233e-05, 2.3087e-02],
[4.7318e+00, 1.2041e-02, 3.1857e-01],
[2.7228e+01, 3.7933e-01, 1.4773e+00],
[1.9285e-01, 2.3994e-05, 2.4953e-02],
[9.7906e+01, 1.5641e+00, 2.2809e+00],
[2.5293e+02, 6.1265e+00, 4.7820e+00],
[2.4805e+01, 1.1812e-01, 1.1920e+00],
[1.0003e+00, 6.0131e-04, 9.0626e-02],
[1.3330e-01, 6.7908e-06, 1.8345e-02],
[1.1150e+01, 1.4325e-02, 6.9576e-01],
[1.3866e+01, 2.6220e-02, 6.7426e-01],
[8.6999e-02, 2.1062e-06, 1.2846e-02],
[1.1330e+00, 6.7309e-05, 1.0459e-01]], dtype=torch.float64)
Iteration: 91
Inputs: tensor([[6.4355e+18, 2.8017e+02, 1.0313e+00, 8.0933e+00],
               [4.7441e+20, 2.5172e+01, 1.5923e+01, 2.3303e+00],
               [8.2692e+20, 4.6324e+02, 1.7630e+01, 8.2800e+00],
               ...,
               [7.1935e+20, 3.5955e+02, 2.3789e+00, 1.4264e+00],
               [1.1328e+18, 6.9212e+01, 1.3223e+01, 9.0993e+00],
               [3.2542e+19, 4.5832e+02, 1.9638e+01, 4.1871e+00]], dtype=torch.float64)
Target: tensor([[4.0237e+00, 1.5283e-03, 1.9740e-01],
               [8.7686e-01, 2.9365e-04, 1.2837e-01],
               [2.0274e+02, 9.3382e+00, 4.5767e+00],
               [1.2609e+01, 2.3126e-02, 5.8788e-01],
               [5.4390e-01, 4.7648e-05, 6.1952e-02],
               [1.9020e+01, 3.5419e-02, 1.0046e+00],
               [1.1379e-01, 3.7154e-06, 1.4467e-02],
               [8.1137e+00, 3.2081e-03, 4.7406e-01],
               [1.7598e+00, 1.3678e-03, 1.9122e-01],
               [7.7546e+01, 6.6962e-02, 1.7591e+00],
               [6.5111e+01, 7.1101e-01, 2.4310e+00],
               [3.1426e+01, 1.3700e-01, 8.2937e-01],
               [4.1533e+01, 1.7493e-01, 2.1334e+00],
               [1.3875e+00, 8.1026e-05, 1.1397e-01],
               [4.1687e+01, 4.9851e-02, 2.3211e+00],
               [4.2805e+00, 2.8021e-03, 2.3270e-01],
               [2.8881e+01, 4.4137e-02, 1.4230e+00],
               [5.9891e+01, 3.8988e-01, 1.6625e+00],
               [3.3741e-01, 4.2554e-05, 4.1648e-02],
               [1.1793e+01, 1.1589e-02, 1.0948e+00],

```

[9.7840e+01, 1.6357e-01, 3.4999e+00],  
 [1.9294e+00, 2.5318e-03, 1.9867e-01],  
 [8.2875e-01, 1.9381e-04, 6.6237e-02],  
 [8.5756e+01, 1.6520e+00, 2.1745e+00],  
 [5.3990e+01, 7.0950e-01, 2.1962e+00],  
 [1.0518e+00, 9.8715e-05, 5.7128e-02],  
 [8.0872e+01, 9.9269e-01, 1.9125e+00],  
 [1.5624e+01, 1.1962e-01, 1.1152e+00],  
 [8.5147e+01, 2.5682e-01, 2.2272e+00],  
 [9.3105e-01, 2.2230e-04, 1.2376e-01],  
 [6.3282e-01, 1.1817e-04, 7.3011e-02],  
 [6.0100e-03, 8.6288e-09, 9.4689e-04],  
 [1.7071e-02, 5.3999e-08, 2.6601e-03],  
 [2.7743e+01, 2.9476e-02, 1.3520e+00],  
 [7.2544e+01, 4.3322e-02, 2.8211e+00],  
 [2.5558e+02, 1.9789e+00, 5.1134e+00],  
 [1.2158e+02, 1.6276e+00, 3.0732e+00],  
 [3.5735e-01, 7.8322e-05, 3.3458e-02],  
 [2.7380e+00, 1.3399e-03, 1.6735e-01],  
 [2.2154e+01, 2.1709e-02, 8.3841e-01],  
 [8.6100e+01, 1.6630e-01, 3.9914e+00],  
 [4.7754e+01, 2.9935e-01, 1.6196e+00],  
 [2.1314e+01, 4.4757e-02, 1.2106e+00],  
 [4.5268e-01, 4.1786e-05, 5.0374e-02],  
 [5.0158e+00, 4.9150e-04, 2.9347e-01],  
 [4.5672e+00, 1.0751e-03, 4.4985e-01],  
 [2.5755e+01, 1.0852e-01, 1.7837e+00],  
 [4.0940e-01, 1.6374e-05, 4.2943e-02],  
 [4.7888e-01, 3.3982e-05, 3.5522e-02],  
 [4.8858e+00, 9.3980e-04, 3.8396e-01],  
 [1.1577e+02, 1.1689e-01, 2.6635e+00],  
 [8.6535e+00, 1.0514e-02, 3.4157e-01],  
 [1.6049e+01, 5.8470e-02, 8.5617e-01],  
 [3.9396e-03, 8.4702e-10, 6.2085e-04],  
 [1.9644e+00, 1.0082e-03, 2.6009e-01],  
 [9.2662e+00, 2.8551e-02, 4.7483e-01],  
 [4.8595e-01, 2.2356e-05, 5.0019e-02],  
 [1.3061e-01, 3.7623e-06, 1.9698e-02],  
 [3.5063e+00, 1.4303e-03, 2.2078e-01],  
 [4.7678e+01, 2.6645e-01, 1.1632e+00],  
 [2.1459e+01, 8.4826e-02, 6.9096e-01],  
 [1.2413e+02, 7.3007e-01, 3.7633e+00],  
 [2.6057e+01, 2.9040e-01, 1.5778e+00],  
 [3.3361e-01, 1.8468e-05, 2.9556e-02],  
 [7.0990e-03, 5.4765e-08, 1.1136e-03],  
 [1.0022e+01, 2.0165e-02, 6.5160e-01],  
 [3.1996e+00, 4.8193e-05, 2.5894e-01],  
 [7.1398e-02, 5.9448e-06, 1.0860e-02],

[5.2599e+00, 1.5808e-03, 3.1579e-01],  
 [5.5613e+01, 1.3200e-01, 3.0524e+00],  
 [6.9596e+00, 5.7155e-03, 2.8458e-01],  
 [2.7514e+01, 1.8118e-01, 1.5205e+00],  
 [3.3204e+01, 1.9282e-01, 1.0162e+00],  
 [1.1161e+01, 1.4063e-02, 1.2060e+00],  
 [8.7455e+01, 1.7020e+00, 2.9457e+00],  
 [2.7707e-02, 4.3536e-07, 3.8851e-03],  
 [3.9558e+00, 2.6651e-03, 2.3728e-01],  
 [1.9234e+01, 6.2204e-02, 7.5012e-01],  
 [1.0132e+01, 5.6853e-02, 8.8004e-01],  
 [1.5906e-01, 6.7861e-06, 2.0128e-02],  
 [2.1317e+02, 4.7761e+00, 3.3385e+00],  
 [2.8557e+01, 1.4880e-01, 1.7677e+00],  
 [2.2576e+01, 1.9843e-01, 8.5022e-01],  
 [9.0872e+01, 1.2340e+00, 2.8239e+00],  
 [9.6513e-02, 5.0290e-06, 1.1247e-02],  
 [2.3609e+00, 1.2382e-04, 1.9703e-01],  
 [2.4293e+00, 3.7594e-03, 2.2735e-01],  
 [6.9619e-03, 4.1139e-08, 1.0965e-03],  
 [1.7233e+01, 9.5471e-02, 7.8331e-01],  
 [1.5280e+00, 2.7063e-04, 1.6449e-01],  
 [2.3161e-01, 3.2343e-05, 2.5241e-02],  
 [7.5904e+01, 1.5149e+00, 3.0331e+00],  
 [3.4923e+01, 7.3239e-02, 1.3396e+00],  
 [6.7413e+01, 6.8415e-01, 1.4169e+00],  
 [8.3447e-01, 3.3974e-04, 6.9859e-02],  
 [9.4055e+00, 1.7817e-02, 4.2083e-01],  
 [1.6771e+00, 6.6404e-04, 1.1459e-01],  
 [1.6757e+00, 1.0541e-03, 1.9532e-01],  
 [1.0704e+02, 1.9039e+00, 4.0557e+00],  
 [1.7079e+02, 2.8880e+00, 4.6817e+00],  
 [1.0794e+02, 1.5836e+00, 3.1543e+00],  
 [2.2686e-03, 1.5995e-09, 3.6552e-04],  
 [1.1916e-01, 3.1305e-06, 1.3867e-02],  
 [5.5567e+01, 2.3805e-01, 3.0661e+00],  
 [1.1985e+02, 1.2147e+00, 3.4647e+00],  
 [1.2184e+01, 9.0454e-03, 3.8122e-01],  
 [4.9194e+00, 1.3128e-02, 4.8154e-01],  
 [2.8135e-01, 5.1331e-06, 3.2272e-02],  
 [6.9609e+00, 5.2229e-03, 5.4524e-01],  
 [4.3966e+00, 8.8335e-03, 5.1982e-01],  
 [1.2362e+02, 1.5497e+00, 2.3499e+00],  
 [3.0322e+01, 1.2295e-01, 8.3867e-01],  
 [6.4220e+00, 1.8489e-03, 2.4271e-01],  
 [2.7351e+00, 1.2085e-03, 1.9268e-01],  
 [9.5480e-03, 9.0539e-08, 1.4815e-03],  
 [1.4861e+01, 3.4480e-02, 1.0145e+00],



[1.5098e+02, 4.6936e+00, 3.0582e+00],  
[6.1131e+00, 1.8694e-03, 3.1789e-01],  
[1.5874e+00, 1.0381e-04, 1.5671e-01],  
[2.3910e+00, 9.1807e-05, 1.4237e-01],  
[6.3294e-01, 1.9601e-05, 4.0605e-02],  
[6.1309e-01, 2.0298e-04, 6.9567e-02],  
[7.2647e+00, 4.3209e-03, 2.6003e-01],  
[2.1459e+00, 8.8518e-05, 1.7884e-01],  
[1.1385e+00, 2.9056e-04, 7.5142e-02],  
[2.0144e+00, 8.4929e-04, 1.1753e-01],  
[3.4190e+01, 1.0470e-01, 1.8204e+00],  
[2.7560e+01, 6.5246e-02, 1.0907e+00],  
[1.4515e+02, 4.5300e+00, 3.0958e+00],  
[4.7937e+00, 2.7356e-03, 5.3554e-01],  
[1.4255e+01, 1.6448e-02, 7.3713e-01],  
[2.5625e+01, 3.0601e-02, 8.9671e-01],  
[1.1829e+01, 1.4099e-02, 1.1331e+00],  
[4.9462e-01, 1.0318e-04, 6.8054e-02],  
[1.5682e+00, 6.8587e-05, 1.5592e-01],  
[2.2875e+02, 4.4295e+00, 3.6740e+00],  
[2.6966e+00, 4.3221e-04, 1.4893e-01],  
[7.6449e-01, 8.5329e-05, 5.5038e-02],  
[2.7790e+02, 1.0561e+01, 5.0196e+00],  
[5.7871e+00, 6.7167e-03, 2.8670e-01],  
[2.4381e+01, 1.0332e-01, 1.2899e+00],  
[3.9475e+00, 1.3159e-03, 3.5163e-01],  
[6.6528e-02, 2.6762e-06, 8.3171e-03],  
[3.3798e+00, 2.6913e-03, 2.3802e-01],  
[4.4361e+01, 2.2454e-01, 1.0074e+00],  
[1.4318e+00, 4.6650e-05, 1.1936e-01],  
[1.1145e+00, 2.4652e-04, 1.1121e-01],  
[3.3341e+01, 1.8515e-01, 9.3374e-01],  
[2.4100e-01, 3.9317e-05, 2.4323e-02],  
[6.9409e+01, 1.1327e+00, 2.5523e+00],  
[3.8466e+01, 1.3784e-01, 1.8182e+00],  
[9.2340e+00, 6.0800e-02, 8.1245e-01],  
[6.8393e-02, 8.8726e-07, 9.4371e-03],  
[1.1460e+01, 5.1045e-03, 4.4203e-01],  
[1.4648e+02, 9.7258e-01, 4.4056e+00],  
[2.9253e-02, 3.0187e-07, 4.0342e-03],  
[1.0615e+00, 2.1245e-04, 8.8540e-02],  
[3.9353e-02, 1.4049e-06, 5.7717e-03],  
[4.1762e+01, 4.3240e-01, 1.0895e+00],  
[3.9608e-01, 4.3300e-05, 5.6259e-02],  
[6.8572e-02, 3.8420e-06, 9.9354e-03],  
[7.0520e+01, 4.2924e-01, 2.2250e+00],  
[3.7116e+00, 6.8683e-05, 2.2449e-01],  
[1.0540e+00, 1.7143e-04, 1.0186e-01],

[1.2980e+00, 6.2165e-05, 8.4335e-02],  
 [2.4773e+00, 1.0400e-02, 3.2193e-01],  
 [1.6642e+02, 2.7613e-01, 3.5593e+00],  
 [2.1827e-01, 8.3070e-05, 3.0660e-02],  
 [8.7491e+01, 1.3377e+00, 3.8521e+00],  
 [2.0209e+01, 2.0609e-02, 8.3166e-01],  
 [2.5453e+01, 5.2031e-02, 1.6296e+00],  
 [6.7495e+00, 3.2580e-03, 3.6324e-01],  
 [2.1059e+01, 1.9814e-01, 1.1236e+00],  
 [6.9460e-01, 1.2632e-04, 5.3291e-02],  
 [3.4528e-01, 3.8872e-05, 3.0772e-02],  
 [2.0630e+00, 1.8785e-03, 2.6848e-01],  
 [3.9325e+01, 4.1982e-02, 9.1178e-01],  
 [2.5251e+01, 2.8806e-01, 1.3179e+00],  
 [6.2456e+01, 4.6987e-01, 2.6820e+00],  
 [2.4026e+01, 1.2675e-01, 1.2365e+00],  
 [2.7065e-02, 2.5921e-07, 3.7715e-03],  
 [1.0748e+00, 3.0018e-04, 7.9101e-02],  
 [3.6998e+01, 4.8781e-01, 1.1427e+00],  
 [9.2888e+00, 1.9947e-02, 5.2630e-01],  
 [2.1719e+01, 2.9603e-02, 9.6885e-01],  
 [2.3504e+00, 2.6191e-04, 2.4532e-01],  
 [1.4772e+01, 2.1713e-02, 1.2473e+00],  
 [2.2665e+02, 8.8064e+00, 4.3574e+00],  
 [7.1152e-02, 1.1011e-06, 1.0018e-02],  
 [7.7700e-02, 7.5114e-07, 1.1707e-02],  
 [4.6811e-01, 2.0884e-05, 3.6014e-02],  
 [2.9894e+00, 2.2034e-03, 3.2611e-01],  
 [1.8505e-01, 7.3074e-06, 2.3661e-02],  
 [1.2743e+02, 1.1079e+00, 3.5753e+00],  
 [1.2628e+00, 3.9710e-04, 1.6333e-01],  
 [3.3201e-02, 6.4883e-07, 4.6226e-03],  
 [8.2693e+01, 1.7972e+00, 3.1695e+00],  
 [3.3004e+01, 3.0677e-02, 1.3390e+00],  
 [1.7857e+02, 3.5996e+00, 4.5312e+00],  
 [2.2732e+01, 2.4349e-02, 1.0305e+00],  
 [2.5159e+01, 2.2588e-01, 1.1002e+00],  
 [1.4535e+01, 3.4903e-02, 1.4920e+00],  
 [1.0094e+01, 3.9097e-03, 8.4379e-01],  
 [1.0213e+02, 1.2611e+00, 3.7299e+00],  
 [1.0054e+01, 2.2046e-02, 6.7383e-01],  
 [7.9725e+01, 6.5640e-01, 2.2310e+00],  
 [1.6494e+01, 4.9584e-02, 7.5364e-01],  
 [4.6183e+01, 4.2927e-01, 2.3443e+00],  
 [8.8041e-02, 1.1651e-06, 1.1661e-02],  
 [6.3101e+00, 4.4973e-03, 3.6051e-01],  
 [3.5612e+00, 7.0523e-04, 3.2549e-01],  
 [1.6921e-02, 7.9527e-08, 2.4975e-03],

[2.3019e+01, 8.0169e-02, 1.1258e+00],  
 [6.0689e+00, 4.9144e-03, 2.6576e-01],  
 [1.4131e+01, 1.9534e-02, 7.5888e-01],  
 [8.4325e+00, 1.0119e-02, 3.8487e-01],  
 [2.6668e+02, 5.3838e+00, 4.9878e+00],  
 [5.1565e+00, 1.9962e-03, 4.7967e-01],  
 [1.6601e-01, 5.4121e-06, 1.8694e-02],  
 [4.9075e+01, 5.3179e-01, 2.9022e+00],  
 [4.8007e+00, 7.5385e-04, 3.4302e-01],  
 [4.0881e-03, 1.4726e-08, 6.3926e-04],  
 [1.2387e+01, 4.5599e-03, 4.0837e-01],  
 [1.5604e+02, 3.8592e-01, 4.3044e+00],  
 [2.3206e-01, 8.1097e-06, 2.3066e-02],  
 [7.5980e+01, 5.0336e-01, 1.3478e+00],  
 [3.8449e+01, 1.8969e-02, 1.3563e+00],  
 [2.0432e+00, 2.4653e-04, 1.6100e-01],  
 [2.3928e+01, 3.7731e-02, 1.4326e+00],  
 [2.4010e+02, 3.2266e+00, 4.3910e+00],  
 [5.4742e+01, 1.1635e-01, 2.1096e+00],  
 [3.8551e+01, 9.2823e-02, 1.0732e+00],  
 [2.1567e+00, 5.4462e-04, 1.2633e-01],  
 [2.0972e+02, 4.5668e+00, 4.3439e+00],  
 [1.8486e-02, 4.0623e-07, 2.7556e-03],  
 [1.1469e+00, 8.1749e-04, 1.3298e-01],  
 [3.3190e+01, 6.6538e-02, 1.9151e+00],  
 [3.1153e+01, 5.2619e-02, 1.4831e+00],  
 [1.3546e+02, 3.0284e+00, 3.5410e+00],  
 [7.5362e+00, 2.1565e-02, 4.0879e-01],  
 [5.7120e+00, 9.2166e-03, 2.9787e-01],  
 [8.4876e+01, 1.0184e+00, 1.7180e+00],  
 [8.1750e-03, 6.3227e-08, 1.2544e-03],  
 [9.9328e-01, 2.2930e-04, 9.5840e-02],  
 [9.8847e-01, 4.3020e-04, 8.7087e-02],  
 [1.3677e-02, 4.0401e-08, 2.0684e-03],  
 [3.1314e-01, 1.2745e-05, 2.9343e-02],  
 [3.3924e+00, 1.3662e-03, 3.4137e-01],  
 [1.4925e+02, 2.3832e+00, 3.3570e+00],  
 [8.2913e+01, 6.1749e-01, 3.8636e+00],  
 [9.6807e+01, 2.2364e+00, 2.7943e+00],  
 [3.3372e+00, 5.1455e-04, 2.2440e-01],  
 [6.9682e+01, 1.3846e+00, 2.1193e+00],  
 [1.1198e-01, 2.1545e-06, 1.2603e-02],  
 [1.1364e+00, 1.8552e-03, 1.4619e-01],  
 [1.0132e+00, 2.2275e-04, 9.9434e-02],  
 [3.9868e+00, 5.3362e-03, 2.8958e-01],  
 [3.5769e+00, 2.9361e-03, 2.2745e-01],  
 [6.2493e+01, 3.2601e-01, 2.4124e+00],  
 [1.0596e+01, 1.1196e-02, 5.4814e-01],

[4.7477e+00, 1.0170e-02, 4.6999e-01],  
 [1.8227e+00, 1.1684e-03, 1.3494e-01],  
 [1.0945e+00, 4.7389e-04, 9.8394e-02],  
 [2.3958e+01, 1.5014e-02, 1.5975e+00],  
 [1.6979e+02, 4.7579e+00, 3.8855e+00],  
 [2.1400e+01, 9.8729e-02, 6.9496e-01],  
 [1.1097e+02, 2.8616e+00, 3.1015e+00],  
 [5.5977e+00, 1.1442e-03, 2.6392e-01],  
 [3.5743e+01, 3.0169e-01, 1.1961e+00],  
 [5.8029e+01, 3.5966e-01, 1.4736e+00],  
 [8.9819e+00, 5.1467e-02, 9.7829e-01],  
 [4.6562e+01, 1.7018e-01, 2.6289e+00],  
 [8.1105e+00, 6.2857e-04, 3.3851e-01],  
 [4.2091e+00, 1.3484e-03, 1.8022e-01],  
 [3.1889e+00, 1.2488e-03, 2.9877e-01],  
 [5.7106e+01, 4.7781e-01, 2.3806e+00],  
 [5.7939e+01, 7.7453e-01, 1.9754e+00],  
 [1.2480e+02, 7.4581e-01, 4.2109e+00],  
 [3.3992e+01, 1.5967e-01, 9.5739e-01],  
 [5.9831e-01, 1.2233e-05, 4.0635e-02],  
 [1.1854e+00, 5.8328e-04, 8.5934e-02],  
 [3.7172e+01, 2.6832e-01, 2.7248e+00],  
 [7.6856e-01, 9.6361e-05, 5.7921e-02],  
 [2.3977e-01, 1.5159e-05, 2.6901e-02],  
 [3.0423e-03, 1.8457e-09, 4.8259e-04],  
 [1.2275e+01, 4.0815e-02, 6.1787e-01],  
 [8.4592e+01, 1.9537e+00, 2.6827e+00],  
 [2.4682e+01, 1.0804e-01, 1.0103e+00],  
 [2.1071e+00, 1.1080e-03, 1.3901e-01],  
 [2.0003e+02, 5.2131e+00, 3.9063e+00],  
 [1.3961e+00, 6.4626e-04, 1.9482e-01],  
 [1.4421e+02, 7.7549e-01, 4.2807e+00],  
 [2.0376e-01, 1.0846e-06, 2.1376e-02],  
 [6.1642e+00, 1.7293e-02, 4.9182e-01],  
 [4.7124e+00, 2.3577e-03, 3.3123e-01],  
 [3.0979e+01, 4.4495e-02, 1.2419e+00],  
 [1.9287e+02, 6.2150e+00, 4.5767e+00],  
 [8.1914e-01, 1.7362e-04, 7.0712e-02],  
 [6.2485e+00, 4.8092e-03, 3.3117e-01],  
 [1.0529e+02, 2.1956e+00, 3.4890e+00],  
 [4.6729e+01, 1.0769e-01, 1.8639e+00],  
 [8.4470e-01, 1.7853e-04, 7.5223e-02],  
 [6.1082e-02, 3.5688e-07, 8.0254e-03],  
 [2.5888e-01, 1.3450e-05, 3.3963e-02],  
 [1.0392e-02, 1.3791e-07, 1.6015e-03],  
 [8.8060e-01, 1.5137e-04, 1.1819e-01],  
 [1.0782e+02, 2.1530e+00, 3.1244e+00],  
 [4.0942e+01, 2.6734e-01, 1.1183e+00],

```

[4.4190e-02, 3.1306e-06, 6.6356e-03],
[1.1972e+00, 2.9656e-04, 1.0490e-01],
[1.5721e-01, 5.5844e-06, 1.9412e-02],
[1.5076e+02, 1.6772e+00, 2.9525e+00],
[6.9638e+00, 4.6733e-03, 2.8761e-01],
[1.3061e-01, 1.7468e-05, 1.6629e-02],
[3.5738e-01, 5.8840e-06, 4.1378e-02],
[1.4321e-01, 6.4035e-07, 1.7181e-02],
[1.3540e-01, 7.2430e-06, 1.4604e-02],
[1.7364e+02, 1.7868e-01, 4.2151e+00],
[8.6024e-03, 1.0086e-07, 1.3005e-03],
[9.7187e+00, 1.7728e-02, 5.4723e-01]], dtype=torch.float64)
Iteration: 92
Inputs: tensor([[7.1942e+20, 1.7664e+02, 9.6246e+00, 4.0859e+00],
[1.6390e+20, 4.1235e+02, 2.5257e+00, 1.0756e+00],
[3.1261e+20, 2.2925e+01, 3.0933e+00, 8.4473e+00],
...,
[2.0552e+20, 3.8046e+02, 1.3986e+01, 2.7772e+00],
[1.4098e+18, 1.2810e+02, 3.1141e+00, 6.8428e+00],
[2.0618e+20, 3.1988e+02, 1.9541e+01, 2.5198e+00]], dtype=torch.float64)
Target: tensor([[8.6192e+01, 6.1958e-01, 3.6632e+00],
[5.8433e+01, 1.7006e-02, 1.8154e+00],
[1.0852e+01, 4.5555e-02, 1.0295e+00],
[2.7831e-01, 3.3768e-05, 3.0083e-02],
[1.8352e+02, 7.3793e-01, 3.6210e+00],
[8.9146e+00, 4.3532e-02, 7.6063e-01],
[8.0225e-02, 1.6637e-06, 1.2030e-02],
[7.7412e+01, 8.4978e-01, 2.7233e+00],
[2.3687e+01, 7.1563e-02, 1.3066e+00],
[8.0300e-02, 4.3507e-06, 1.2281e-02],
[6.0722e-02, 2.7589e-06, 7.9696e-03],
[1.3079e+01, 4.6626e-02, 6.7142e-01],
[6.7861e-02, 2.1059e-07, 8.5507e-03],
[4.2030e-01, 6.5055e-05, 3.6654e-02],
[7.5243e+00, 2.8506e-03, 3.9463e-01],
[1.4870e+01, 6.9022e-02, 7.1649e-01],
[1.0345e+02, 6.4585e-01, 3.7129e+00],
[8.4098e+00, 7.3257e-03, 5.4833e-01],
[5.1558e+01, 2.5203e-01, 1.6191e+00],
[4.9618e-02, 6.2163e-07, 7.2029e-03],
[2.5099e-04, 1.1117e-11, 4.1367e-05],
[2.7023e-01, 2.5191e-06, 2.9964e-02],
[2.7238e+01, 8.7053e-02, 1.4924e+00],
[3.6211e+00, 3.6051e-03, 2.4947e-01],
[1.5447e+01, 7.2207e-02, 1.0624e+00],
[2.1172e-01, 4.6333e-06, 2.6894e-02],
[2.4787e-01, 1.2636e-05, 2.3217e-02],
[7.3312e+01, 1.0844e+00, 2.1995e+00],

```

[7.0222e+00, 1.7693e-03, 4.5047e-01],  
 [1.7495e+01, 3.3742e-02, 6.7677e-01],  
 [1.4322e+02, 4.3553e+00, 3.4408e+00],  
 [8.0946e+01, 1.0095e+00, 3.1017e+00],  
 [6.2532e-01, 9.3945e-05, 4.7628e-02],  
 [1.1433e+02, 1.3332e+00, 1.9195e+00],  
 [1.5553e-01, 1.3033e-05, 2.1238e-02],  
 [1.3706e+01, 4.2547e-02, 6.0873e-01],  
 [6.3340e-02, 2.9982e-07, 8.5135e-03],  
 [7.3181e+01, 5.4715e-02, 3.3735e+00],  
 [4.6416e+01, 1.8449e-02, 1.8892e+00],  
 [5.4652e+00, 4.5166e-03, 2.7241e-01],  
 [3.6257e+01, 2.8384e-02, 1.4021e+00],  
 [1.4677e+01, 1.1883e-02, 6.1112e-01],  
 [3.7589e+01, 8.6430e-02, 1.6070e+00],  
 [3.1767e+00, 2.4549e-03, 3.6202e-01],  
 [9.2942e-01, 2.3751e-04, 9.7448e-02],  
 [3.5355e+01, 2.4339e-01, 1.2576e+00],  
 [2.2476e-03, 1.6804e-09, 3.6232e-04],  
 [8.9762e-01, 6.7048e-05, 9.7252e-02],  
 [8.6881e-01, 1.0834e-04, 6.7077e-02],  
 [2.0113e+00, 1.4553e-03, 1.3054e-01],  
 [8.7175e+00, 3.5180e-02, 6.3303e-01],  
 [7.3115e+01, 5.6572e-01, 3.4118e+00],  
 [9.3713e+01, 2.5992e-01, 2.4740e+00],  
 [2.4857e+01, 4.1636e-02, 1.2516e+00],  
 [5.5226e+00, 2.6412e-03, 2.3453e-01],  
 [1.7959e+01, 5.7835e-02, 8.2515e-01],  
 [9.2255e-02, 9.7112e-07, 1.1664e-02],  
 [1.6254e+02, 3.9495e+00, 3.5887e+00],  
 [5.4518e+00, 1.3288e-02, 4.8448e-01],  
 [4.7579e-02, 2.6597e-07, 7.0371e-03],  
 [6.8530e+01, 3.9964e-01, 1.8811e+00],  
 [1.7329e+00, 5.4713e-04, 1.3521e-01],  
 [8.2109e-01, 1.1997e-05, 5.7709e-02],  
 [1.1543e+02, 3.7231e-01, 3.3861e+00],  
 [3.0090e+02, 8.1768e+00, 4.1967e+00],  
 [4.7244e+00, 4.1589e-03, 2.5466e-01],  
 [1.9802e-01, 1.3471e-05, 2.3819e-02],  
 [1.1839e+00, 2.8902e-04, 9.5920e-02],  
 [3.9228e+00, 5.7479e-03, 3.1144e-01],  
 [1.2849e+02, 2.0916e-01, 2.8918e+00],  
 [3.4840e+01, 8.7681e-02, 9.5562e-01],  
 [3.7282e+01, 7.1644e-02, 1.3814e+00],  
 [3.5831e+01, 3.9755e-01, 1.6219e+00],  
 [4.0807e+00, 3.5450e-03, 2.7677e-01],  
 [1.0017e+01, 7.4709e-03, 3.3153e-01],  
 [8.5925e-02, 1.6284e-06, 1.1567e-02],

[5.3626e+01, 1.9178e-01, 1.1694e+00],  
 [4.8632e+01, 1.0011e-01, 1.8866e+00],  
 [2.4999e-02, 2.7745e-07, 3.5223e-03],  
 [3.7311e+00, 4.9962e-03, 3.7874e-01],  
 [2.7958e-01, 6.4897e-06, 3.6163e-02],  
 [7.5888e+00, 8.2781e-03, 4.0121e-01],  
 [1.1206e+01, 1.2509e-02, 4.5140e-01],  
 [1.8183e+00, 1.1199e-04, 1.4505e-01],  
 [2.2744e+01, 5.6451e-02, 1.3683e+00],  
 [9.8946e-01, 1.8639e-04, 8.5661e-02],  
 [2.8189e+01, 7.5895e-02, 1.7378e+00],  
 [2.0545e+00, 4.5129e-04, 1.8471e-01],  
 [4.0781e+01, 2.7611e-01, 2.1588e+00],  
 [8.5627e+00, 1.2078e-02, 4.8400e-01],  
 [6.9360e-01, 6.3915e-05, 5.5971e-02],  
 [3.4506e+01, 2.8597e-01, 1.7816e+00],  
 [1.4363e+00, 8.3467e-04, 1.6745e-01],  
 [1.4054e-01, 1.5774e-05, 1.6236e-02],  
 [5.6647e+00, 6.1664e-03, 5.7549e-01],  
 [5.9220e+01, 9.6979e-02, 2.6780e+00],  
 [3.0357e+00, 3.3937e-03, 1.8176e-01],  
 [1.3369e+02, 4.3738e+00, 3.4991e+00],  
 [1.9229e+01, 1.1026e-01, 1.8110e+00],  
 [8.2141e+00, 1.3727e-02, 4.2955e-01],  
 [1.7201e+01, 3.1927e-03, 8.1181e-01],  
 [1.4410e-01, 1.2138e-05, 1.6083e-02],  
 [8.6253e-03, 8.8730e-08, 1.3019e-03],  
 [1.0115e+02, 3.5517e-01, 3.9163e+00],  
 [1.9124e-03, 1.5457e-10, 3.0434e-04],  
 [3.2127e+00, 1.3666e-03, 2.7626e-01],  
 [4.8177e-03, 1.2422e-09, 7.5193e-04],  
 [5.8593e+00, 6.4434e-03, 3.1570e-01],  
 [2.8119e+01, 3.2289e-01, 2.2496e+00],  
 [3.7657e+00, 4.6667e-03, 2.4437e-01],  
 [1.3524e+02, 1.0714e+00, 3.3627e+00],  
 [5.4175e+01, 1.0511e+00, 2.5337e+00],  
 [3.0267e+01, 8.7570e-02, 1.0274e+00],  
 [1.2542e+02, 8.6140e-01, 4.2431e+00],  
 [1.1091e+01, 1.8020e-02, 5.7225e-01],  
 [8.5698e-02, 2.7364e-06, 1.0728e-02],  
 [2.3558e-01, 1.0186e-05, 2.2536e-02],  
 [3.5790e+00, 5.6517e-04, 1.4988e-01],  
 [3.0808e+01, 8.6930e-02, 1.0276e+00],  
 [3.5539e+00, 7.9870e-03, 3.2485e-01],  
 [1.7569e+02, 5.4618e+00, 3.8883e+00],  
 [5.0050e-01, 7.9460e-05, 4.1465e-02],  
 [3.5113e+01, 2.1051e-01, 1.0777e+00],  
 [4.0797e+00, 2.5493e-03, 3.8682e-01],

[2.6721e-03, 6.7212e-09, 4.2778e-04],  
 [7.8535e-01, 2.9300e-05, 9.4570e-02],  
 [6.0219e+01, 1.4600e+00, 3.4487e+00],  
 [1.2932e-01, 1.9189e-06, 1.6758e-02],  
 [1.1644e+00, 4.6187e-04, 1.2974e-01],  
 [2.2590e-01, 5.1935e-05, 2.7066e-02],  
 [3.0161e-01, 3.4897e-05, 3.0198e-02],  
 [5.0754e+01, 5.1789e-01, 1.7704e+00],  
 [6.3154e+00, 6.0487e-03, 3.0523e-01],  
 [4.1248e+01, 3.2495e-01, 2.4108e+00],  
 [1.3616e+02, 2.3493e+00, 3.3051e+00],  
 [8.6467e-01, 1.3198e-04, 7.4760e-02],  
 [4.4803e+01, 1.6209e-01, 1.0784e+00],  
 [7.1741e-03, 4.5383e-08, 1.1079e-03],  
 [8.6139e-02, 8.1065e-06, 1.1550e-02],  
 [4.0628e+01, 4.5229e-01, 2.5661e+00],  
 [7.3533e+01, 1.0273e+00, 2.9024e+00],  
 [1.2341e-01, 7.2153e-06, 1.7112e-02],  
 [8.3597e+00, 6.1218e-02, 7.5073e-01],  
 [1.8704e+01, 1.1940e-01, 1.2024e+00],  
 [4.2729e+00, 2.3825e-03, 2.3917e-01],  
 [1.5562e+00, 1.7334e-04, 1.4769e-01],  
 [1.9541e+01, 1.9201e-01, 1.2588e+00],  
 [8.6246e+00, 1.0802e-02, 5.8405e-01],  
 [1.4072e+00, 1.7423e-03, 1.6453e-01],  
 [2.5641e+00, 1.0875e-03, 2.9615e-01],  
 [9.9352e+01, 2.4177e+00, 2.9210e+00],  
 [2.2594e-01, 3.1173e-05, 2.9387e-02],  
 [3.0936e-01, 1.9494e-05, 3.3016e-02],  
 [3.3735e-01, 9.3298e-06, 3.4001e-02],  
 [9.2767e+00, 4.3704e-03, 5.5281e-01],  
 [1.5581e+01, 1.1490e-02, 7.9452e-01],  
 [3.1736e-01, 3.0931e-05, 3.0956e-02],  
 [7.6457e-01, 1.5619e-04, 9.1253e-02],  
 [4.9405e-01, 2.1975e-05, 5.6178e-02],  
 [4.8150e-02, 1.6834e-06, 6.2946e-03],  
 [5.3843e+00, 4.0509e-03, 5.3297e-01],  
 [1.0480e+00, 3.6118e-04, 8.5713e-02],  
 [1.5277e-01, 1.3815e-05, 2.0334e-02],  
 [2.1088e+01, 2.0644e-01, 1.9611e+00],  
 [5.5659e-02, 4.3015e-07, 7.1744e-03],  
 [1.4177e+01, 1.3128e-01, 1.0396e+00],  
 [1.7427e-03, 1.4261e-09, 2.8162e-04],  
 [8.4991e+01, 6.6501e-01, 2.3319e+00],  
 [9.4207e-01, 5.7743e-04, 1.0966e-01],  
 [1.0678e+00, 1.1020e-04, 7.4600e-02],  
 [1.3303e+01, 7.0837e-02, 5.5861e-01],  
 [3.4386e+00, 2.2553e-03, 2.0024e-01],



[3.0707e+00, 3.2030e-03, 2.0455e-01],  
 [2.8145e+01, 2.4854e-01, 1.1273e+00],  
 [3.6255e+01, 1.4251e-01, 2.4036e+00],  
 [2.2515e-01, 3.6050e-05, 2.7045e-02],  
 [2.0974e+01, 1.0196e-01, 1.7124e+00],  
 [3.2634e+01, 2.1232e-01, 1.6565e+00],  
 [3.7876e+01, 1.0826e-01, 1.0285e+00],  
 [6.3748e+01, 6.1945e-01, 1.4148e+00],  
 [3.0888e-02, 1.2357e-07, 4.5073e-03],  
 [5.0271e+01, 3.0446e-01, 1.8273e+00],  
 [2.0433e+02, 4.7095e+00, 3.1211e+00],  
 [1.3059e+01, 1.4743e-02, 5.4134e-01],  
 [1.9759e-02, 2.1838e-07, 2.9487e-03],  
 [1.7703e-01, 3.1381e-05, 2.3227e-02],  
 [1.5425e-02, 1.9653e-07, 2.3317e-03],  
 [6.5993e+00, 1.9393e-03, 2.6793e-01],  
 [1.5523e+01, 2.0972e-02, 1.0065e+00],  
 [9.0222e-02, 2.1618e-06, 1.2218e-02],  
 [2.1170e+02, 1.1915e+00, 4.3416e+00],  
 [3.7724e+01, 2.2630e-01, 1.4645e+00],  
 [1.7525e-02, 5.5052e-08, 2.5525e-03],  
 [7.1246e+01, 4.3166e-01, 2.5913e+00],  
 [6.8771e+00, 2.0141e-03, 3.3388e-01],  
 [2.8685e+00, 6.6510e-04, 1.9075e-01],  
 [2.0336e-01, 4.7289e-06, 2.3576e-02],  
 [4.2181e+00, 1.0885e-03, 3.9712e-01],  
 [1.0924e+02, 1.5775e+00, 3.3119e+00],  
 [3.9260e-01, 4.7013e-05, 3.5805e-02],  
 [2.4923e+00, 3.0535e-03, 2.1915e-01],  
 [4.3145e-01, 5.9033e-06, 3.9820e-02],  
 [3.2381e+00, 2.6600e-03, 1.7807e-01],  
 [4.9978e-01, 2.6090e-04, 5.9883e-02],  
 [2.2343e+00, 9.8082e-04, 1.9828e-01],  
 [1.9272e+01, 5.1525e-03, 6.4248e-01],  
 [3.7464e-01, 1.4907e-05, 3.3170e-02],  
 [3.0576e+01, 2.6662e-01, 1.2431e+00],  
 [6.0286e-01, 1.2090e-04, 7.3715e-02],  
 [1.3163e+02, 3.7904e+00, 3.0759e+00],  
 [1.0426e+02, 9.1087e-01, 3.0540e+00],  
 [8.0670e+00, 2.8120e-02, 4.6411e-01],  
 [5.6001e+01, 4.9737e-01, 2.2025e+00],  
 [5.3725e+01, 9.0426e-01, 1.5624e+00],  
 [1.6724e+02, 1.2904e+00, 3.5700e+00],  
 [4.1956e+01, 2.8491e-01, 1.6890e+00],  
 [1.2226e+02, 1.4643e+00, 2.7973e+00],  
 [1.4759e+00, 1.8694e-03, 1.4362e-01],  
 [2.3341e+01, 5.8956e-02, 6.1312e-01],  
 [4.3946e+01, 2.2099e-01, 1.3278e+00],

[2.5820e+01, 1.8216e-01, 1.0066e+00],  
 [5.9762e-01, 2.3040e-04, 5.6427e-02],  
 [7.8506e+01, 6.8131e-01, 2.1664e+00],  
 [2.9029e-02, 1.6158e-07, 4.0258e-03],  
 [4.3809e+00, 9.8737e-03, 3.1807e-01],  
 [3.1034e+00, 3.4708e-04, 1.7173e-01],  
 [9.1976e+00, 1.7986e-02, 6.8931e-01],  
 [5.4498e+00, 4.5177e-03, 4.0395e-01],  
 [1.0260e+02, 1.8570e+00, 1.9238e+00],  
 [3.4464e+01, 2.8098e-01, 1.0254e+00],  
 [4.8210e+01, 2.1194e-01, 1.3396e+00],  
 [2.7445e+01, 3.3127e-02, 2.3269e+00],  
 [4.1457e-01, 6.6252e-06, 4.7622e-02],  
 [1.4661e+01, 4.6557e-02, 6.2586e-01],  
 [2.4630e+00, 6.7896e-04, 2.0940e-01],  
 [1.9034e+01, 2.6837e-02, 9.0697e-01],  
 [1.9378e+00, 2.2244e-04, 2.2205e-01],  
 [6.8041e+01, 8.4392e-01, 1.9955e+00],  
 [3.3761e+00, 8.5167e-04, 2.5951e-01],  
 [1.5896e+00, 2.1497e-04, 8.3023e-02],  
 [4.4139e+01, 6.1407e-01, 2.8266e+00],  
 [3.5990e-01, 4.8241e-05, 3.7722e-02],  
 [1.9826e-01, 3.4227e-05, 2.6283e-02],  
 [3.7670e-02, 1.8763e-06, 5.1900e-03],  
 [8.5561e-01, 1.4910e-04, 9.7704e-02],  
 [1.6161e+01, 1.2276e-01, 1.5793e+00],  
 [1.6379e+01, 2.1360e-02, 4.8120e-01],  
 [5.9391e+00, 3.0885e-03, 3.6739e-01],  
 [7.0944e+01, 9.4828e-01, 1.7019e+00],  
 [4.6105e-01, 7.3040e-05, 4.3003e-02],  
 [4.3023e+01, 1.8147e-01, 2.3718e+00],  
 [7.6169e+01, 1.2195e-01, 3.2001e+00],  
 [5.7629e-01, 8.8913e-05, 4.4816e-02],  
 [6.8185e-01, 8.3789e-05, 6.5773e-02],  
 [1.0271e+00, 2.6623e-04, 6.7980e-02],  
 [5.4526e+00, 2.3585e-03, 3.3352e-01],  
 [5.2694e+01, 1.3219e-01, 2.3946e+00],  
 [7.5405e-02, 1.5516e-06, 9.6750e-03],  
 [1.3635e-02, 7.7860e-08, 2.1258e-03],  
 [3.7927e+01, 1.4898e-01, 1.2880e+00],  
 [6.4972e+01, 7.6732e-01, 3.6312e+00],  
 [3.9961e-02, 3.8034e-07, 5.6227e-03],  
 [2.0377e+01, 1.1391e-01, 1.2052e+00],  
 [5.5828e-01, 1.0259e-04, 5.4853e-02],  
 [5.3667e+01, 3.6785e-01, 2.5281e+00],  
 [1.7388e+02, 3.2447e+00, 3.6103e+00],  
 [7.7314e-01, 8.6740e-05, 6.3963e-02],  
 [9.8096e+01, 6.9551e-01, 1.8516e+00],

[8.1037e+01, 7.8188e-01, 2.2489e+00],  
[8.2955e+01, 8.2231e-01, 2.7261e+00],  
[1.3552e+02, 5.0013e+00, 3.6486e+00],  
[8.8228e-02, 1.0101e-05, 1.2476e-02],  
[1.0132e+01, 1.4273e-02, 3.6413e-01],  
[1.0447e+01, 3.3105e-02, 5.7809e-01],  
[1.0200e-01, 7.0463e-06, 1.4188e-02],  
[2.5938e+01, 4.3188e-02, 1.1477e+00],  
[7.1988e-02, 1.1030e-06, 9.9208e-03],  
[2.4978e+01, 1.8160e-01, 9.4189e-01],  
[3.1698e-02, 4.7813e-07, 4.9460e-03],  
[3.0742e-01, 4.0022e-06, 3.4172e-02],  
[5.0965e-01, 2.6120e-04, 6.6468e-02],  
[4.2676e-01, 1.5959e-05, 4.1423e-02],  
[3.9138e-01, 5.8784e-05, 4.1214e-02],  
[9.9440e-01, 3.4510e-04, 7.8169e-02],  
[3.7425e-02, 6.7165e-07, 5.8225e-03],  
[8.7845e-01, 1.2565e-04, 9.1149e-02],  
[5.3194e+01, 1.9113e-01, 1.7228e+00],  
[1.1962e+01, 4.1012e-03, 4.0369e-01],  
[3.8979e+01, 7.4492e-02, 1.0838e+00],  
[3.8737e+01, 4.1254e-01, 1.4517e+00],  
[1.5502e+00, 1.2049e-03, 1.5828e-01],  
[9.5101e+00, 8.7193e-03, 6.6150e-01],  
[3.9427e+01, 5.2955e-02, 2.4523e+00],  
[8.5426e+01, 1.0394e+00, 3.1902e+00],  
[1.1054e+00, 2.8393e-04, 9.4783e-02],  
[1.3935e+02, 1.2235e+00, 2.7570e+00],  
[1.5566e+01, 1.4371e-02, 9.6123e-01],  
[1.9190e+02, 1.4848e+00, 4.9578e+00],  
[1.1651e+00, 5.1589e-04, 8.5637e-02],  
[2.6172e+01, 9.7621e-02, 6.8380e-01],  
[1.1303e+00, 2.4297e-05, 1.0307e-01],  
[3.1654e-01, 4.6813e-05, 3.8695e-02],  
[6.8532e+00, 1.7801e-03, 4.3443e-01],  
[2.0111e-01, 5.0769e-06, 2.6484e-02],  
[1.8110e+00, 5.4711e-04, 9.9807e-02],  
[1.7429e-01, 1.6854e-05, 2.2934e-02],  
[8.6394e+00, 1.3144e-02, 8.4241e-01],  
[2.4162e-01, 1.8275e-06, 2.6415e-02],  
[4.3558e+00, 5.0840e-03, 3.8913e-01],  
[1.9831e+02, 5.5370e-01, 3.5421e+00],  
[1.1763e+00, 9.5288e-04, 1.6201e-01],  
[4.8083e+01, 1.3874e-01, 1.5546e+00],  
[9.6159e+01, 2.3461e+00, 2.4861e+00],  
[1.5447e+00, 4.0121e-05, 8.8370e-02],  
[1.0455e+00, 1.9661e-04, 1.0655e-01],  
[5.5766e+00, 7.3268e-03, 4.7190e-01],

```

[3.4642e+00, 3.3327e-03, 2.6008e-01],
[4.0143e+01, 1.2201e-01, 1.8166e+00],
[1.0596e-01, 3.0387e-06, 1.2688e-02],
[2.2998e+01, 6.6126e-02, 1.4584e+00]], dtype=torch.float64)
Iteration: 93
Inputs: tensor([[1.7529e+19, 3.9630e+02, 1.8466e+01, 6.0928e+00],
[3.5245e+18, 6.3308e+01, 1.6697e+01, 7.3637e+00],
[1.9609e+18, 2.9495e+02, 2.4261e+00, 2.4299e+00],
...,
[2.0705e+18, 3.6258e+02, 1.3931e+01, 9.0969e+00],
[1.1048e+19, 4.8615e+02, 5.7657e+00, 2.8369e+00],
[3.7253e+20, 2.3077e+02, 1.1021e+01, 1.4445e+00]], dtype=torch.float64)
Target: tensor([[5.5655e+00, 8.3765e-03, 3.4277e-01],
[2.9556e-02, 1.0072e-06, 4.4061e-03],
[4.2960e-01, 5.2266e-06, 3.8994e-02],
[1.0308e+01, 1.2389e-02, 9.8334e-01],
[3.0602e+01, 1.3449e-01, 1.0915e+00],
[2.3816e+00, 3.7468e-04, 1.4305e-01],
[1.5480e+01, 8.9901e-02, 7.1727e-01],
[3.1476e+00, 3.7722e-03, 2.4902e-01],
[1.6509e-03, 5.4684e-10, 2.6602e-04],
[5.1886e+01, 3.4406e-01, 1.4186e+00],
[1.7223e+02, 5.0859e+00, 4.3474e+00],
[4.2315e+00, 5.8276e-04, 2.4083e-01],
[9.0634e+01, 5.7910e-01, 3.2112e+00],
[1.6073e+02, 4.1154e+00, 4.7819e+00],
[6.0522e+01, 5.1954e-01, 1.7212e+00],
[2.6175e+02, 7.5502e+00, 4.5074e+00],
[2.8522e+01, 1.0084e-01, 1.2299e+00],
[7.0031e+00, 8.7111e-03, 6.7611e-01],
[1.0297e+01, 3.1068e-02, 5.1362e-01],
[1.0853e+02, 2.1659e+00, 4.1682e+00],
[2.0086e+00, 4.4394e-04, 1.4447e-01],
[1.5621e+01, 1.0588e-02, 1.1408e+00],
[4.7542e-01, 6.6760e-05, 6.2241e-02],
[2.1299e-02, 5.0457e-08, 3.2418e-03],
[7.9787e-02, 5.1834e-06, 1.1209e-02],
[3.6761e+01, 1.1719e-01, 7.8809e-01],
[4.0169e+01, 1.1407e-01, 1.1420e+00],
[4.7127e+01, 3.3027e-01, 1.7126e+00],
[4.3442e-01, 5.3285e-05, 4.3090e-02],
[4.7139e+00, 1.7332e-03, 2.8212e-01],
[6.9832e+00, 1.1916e-02, 3.8462e-01],
[1.1422e+02, 1.2666e+00, 4.1475e+00],
[4.6493e+01, 5.7609e-01, 2.0587e+00],
[1.5132e-01, 1.4517e-05, 1.7101e-02],
[5.2153e+01, 7.3986e-01, 1.8192e+00],
[2.2234e-03, 6.3815e-10, 3.5525e-04],

```

[1.3715e+00, 2.3875e-04, 8.8367e-02],  
 [1.3303e+01, 6.2378e-03, 9.6795e-01],  
 [5.9706e+00, 1.2686e-02, 4.1162e-01],  
 [1.0696e+02, 6.9699e-02, 2.8972e+00],  
 [1.8179e+00, 2.0181e-04, 1.0357e-01],  
 [2.2648e+00, 2.9018e-03, 2.4961e-01],  
 [9.0973e-01, 3.9856e-04, 8.5328e-02],  
 [9.7548e-02, 6.4508e-06, 1.2132e-02],  
 [1.4910e-01, 5.2157e-06, 1.8831e-02],  
 [2.9341e+02, 2.7593e+00, 5.1426e+00],  
 [1.4672e-01, 6.4884e-06, 1.6903e-02],  
 [1.9544e+00, 3.5207e-04, 1.6355e-01],  
 [1.5915e+01, 3.0617e-02, 7.7782e-01],  
 [6.6005e-01, 1.5414e-04, 6.7697e-02],  
 [6.2162e+01, 2.4011e-01, 2.7777e+00],  
 [1.2431e+01, 1.2069e-02, 5.7075e-01],  
 [1.4510e+01, 2.5517e-02, 4.7139e-01],  
 [4.1968e-02, 2.5757e-07, 6.0934e-03],  
 [7.7582e-01, 8.6221e-05, 5.8307e-02],  
 [3.9652e+01, 1.8479e-01, 2.2602e+00],  
 [5.6434e+01, 1.0759e+00, 1.8974e+00],  
 [2.3455e+01, 1.4803e-01, 1.6786e+00],  
 [5.4112e+00, 6.8677e-03, 3.4266e-01],  
 [5.2295e+01, 4.5476e-01, 1.3629e+00],  
 [2.0044e-02, 4.8946e-07, 3.1034e-03],  
 [2.7888e+00, 7.8616e-04, 2.5396e-01],  
 [1.7170e+01, 4.6494e-02, 5.9661e-01],  
 [2.1030e-01, 2.0605e-05, 2.0638e-02],  
 [1.4023e-02, 2.4627e-08, 2.0909e-03],  
 [5.4815e-02, 1.1677e-07, 7.3714e-03],  
 [1.9530e+01, 5.7857e-02, 7.1253e-01],  
 [3.6785e+01, 3.5007e-01, 1.9109e+00],  
 [5.9629e+01, 3.6803e-01, 1.7701e+00],  
 [5.6302e+01, 7.9434e-01, 2.3092e+00],  
 [1.1335e-01, 6.9384e-06, 1.5015e-02],  
 [6.1612e+01, 2.3296e-01, 1.2464e+00],  
 [2.5514e+00, 1.0572e-03, 1.3308e-01],  
 [9.8866e-01, 7.1215e-05, 7.1833e-02],  
 [5.4628e+01, 4.8299e-02, 2.2341e+00],  
 [2.6727e-01, 3.8660e-05, 2.6598e-02],  
 [1.2345e-01, 2.3193e-06, 1.7753e-02],  
 [2.8226e-02, 8.8010e-08, 4.3217e-03],  
 [2.2681e+00, 2.9490e-03, 2.1240e-01],  
 [4.4733e+01, 9.3455e-02, 1.9368e+00],  
 [1.7356e+01, 2.9057e-02, 1.4751e+00],  
 [1.6460e+00, 3.0388e-04, 1.3274e-01],  
 [2.0032e-01, 2.5913e-05, 2.4570e-02],  
 [1.1477e-01, 2.1378e-06, 1.6115e-02],

[6.2919e+00, 1.2748e-03, 3.0904e-01],  
 [1.4113e+00, 2.0566e-04, 1.3872e-01],  
 [1.8700e+00, 1.8571e-03, 1.4547e-01],  
 [4.8499e+01, 4.7668e-01, 2.1175e+00],  
 [4.2517e+01, 1.7828e-01, 1.8807e+00],  
 [1.3229e+01, 5.1546e-02, 8.3680e-01],  
 [1.1646e-01, 2.7070e-06, 1.3957e-02],  
 [1.1579e+02, 3.5558e-02, 4.0386e+00],  
 [4.1733e+00, 3.7546e-03, 2.9556e-01],  
 [2.3476e+00, 1.6532e-03, 1.9045e-01],  
 [9.6186e+00, 2.7542e-02, 4.3735e-01],  
 [1.9668e-01, 1.8392e-05, 2.3639e-02],  
 [1.5287e+01, 2.2941e-02, 9.5394e-01],  
 [3.3121e+00, 4.2297e-03, 2.1040e-01],  
 [5.7176e+01, 7.8219e-01, 2.9388e+00],  
 [5.0342e-01, 3.3017e-05, 3.8287e-02],  
 [2.4012e+00, 2.0294e-04, 1.6336e-01],  
 [9.3825e+00, 2.0154e-03, 5.8319e-01],  
 [9.6393e-02, 6.1303e-06, 1.2179e-02],  
 [6.5204e-01, 4.1696e-05, 6.9375e-02],  
 [3.8183e+01, 3.8409e-01, 2.1707e+00],  
 [1.2444e+02, 1.4435e+00, 4.5612e+00],  
 [3.5101e+01, 4.4226e-01, 2.5324e+00],  
 [7.5345e+00, 4.8007e-03, 3.4174e-01],  
 [2.6443e+01, 1.1282e-02, 1.0095e+00],  
 [1.1065e+00, 1.6537e-04, 1.6032e-01],  
 [7.8780e-02, 5.8535e-07, 1.0400e-02],  
 [1.5934e+00, 1.2303e-04, 1.4113e-01],  
 [1.5665e-01, 6.2973e-06, 2.1544e-02],  
 [3.2944e+00, 1.6701e-03, 3.0243e-01],  
 [4.3355e+00, 2.2902e-03, 2.3293e-01],  
 [5.7003e+01, 2.9920e-01, 2.3990e+00],  
 [8.2091e+01, 7.0830e-01, 3.1079e+00],  
 [3.5037e-01, 7.5072e-05, 3.5976e-02],  
 [7.2913e+01, 7.4193e-01, 1.6958e+00],  
 [6.0460e+00, 1.7809e-02, 5.4138e-01],  
 [4.9568e+00, 1.0047e-02, 3.9661e-01],  
 [2.4043e+00, 3.1898e-04, 1.4528e-01],  
 [6.1000e+01, 1.9653e-01, 2.1535e+00],  
 [8.7930e-01, 2.9004e-04, 6.4692e-02],  
 [6.1614e+01, 1.4934e+00, 3.5142e+00],  
 [1.2319e-01, 3.5160e-06, 1.5863e-02],  
 [8.4612e+01, 7.1050e-01, 1.7387e+00],  
 [2.8061e+02, 6.2188e+00, 4.7807e+00],  
 [3.1145e+01, 1.4528e-01, 1.4046e+00],  
 [1.2298e+02, 2.7081e-01, 4.2912e+00],  
 [2.6660e+01, 8.3614e-02, 8.0687e-01],  
 [2.9255e-01, 1.7544e-05, 3.2935e-02],

[9.1480e-02, 9.2489e-07, 1.1676e-02],  
 [4.9102e+01, 2.0352e-01, 1.9074e+00],  
 [4.9168e-01, 2.0041e-04, 5.4484e-02],  
 [9.0476e-01, 1.7420e-04, 1.0696e-01],  
 [8.4176e+01, 8.7188e-01, 2.4647e+00],  
 [6.3151e+00, 5.1544e-03, 4.3818e-01],  
 [7.3333e+00, 1.2192e-02, 4.4058e-01],  
 [3.1146e+01, 5.1654e-02, 8.2747e-01],  
 [1.0396e+02, 2.5396e-01, 2.4303e+00],  
 [2.4487e-01, 7.0031e-05, 3.5523e-02],  
 [3.8255e+01, 2.6688e-02, 1.2133e+00],  
 [3.0269e+00, 1.7179e-03, 2.1580e-01],  
 [3.5116e+01, 3.7285e-01, 1.2984e+00],  
 [2.2874e+00, 5.7194e-04, 1.7427e-01],  
 [4.1443e+01, 1.7525e-01, 9.0889e-01],  
 [5.2218e-02, 1.4814e-06, 7.1397e-03],  
 [2.8590e-01, 7.4405e-06, 3.6029e-02],  
 [9.8083e+01, 1.5125e+00, 2.5552e+00],  
 [8.7033e+00, 1.0693e-02, 4.3404e-01],  
 [4.5481e+00, 9.8233e-04, 2.3287e-01],  
 [3.3145e-02, 1.1067e-06, 4.5721e-03],  
 [5.5441e-01, 6.4648e-05, 5.7348e-02],  
 [1.4957e-01, 1.0331e-05, 1.6701e-02],  
 [5.9615e-01, 2.0257e-05, 6.7441e-02],  
 [5.5442e+00, 3.7122e-03, 2.3614e-01],  
 [1.1698e-01, 3.4030e-06, 1.3949e-02],  
 [3.8836e+01, 1.7926e-01, 1.7205e+00],  
 [1.1778e-03, 8.7285e-10, 1.8976e-04],  
 [4.0977e+01, 7.2775e-01, 2.2771e+00],  
 [1.3176e+02, 2.2457e+00, 4.0294e+00],  
 [2.4688e+01, 4.2384e-03, 1.4140e+00],  
 [2.4903e-01, 1.6917e-05, 2.6748e-02],  
 [6.2106e+01, 4.1739e-01, 3.2951e+00],  
 [2.1579e+00, 1.5526e-04, 2.0012e-01],  
 [1.1570e+00, 1.2996e-04, 9.5514e-02],  
 [1.6915e+00, 1.2901e-03, 1.6706e-01],  
 [7.1315e+00, 2.2895e-02, 6.9828e-01],  
 [1.4127e-01, 2.6507e-05, 1.8436e-02],  
 [1.2942e-01, 5.9622e-06, 1.4888e-02],  
 [7.6705e-02, 3.0629e-06, 1.0520e-02],  
 [1.6939e+01, 1.2554e-01, 9.2926e-01],  
 [1.5290e+00, 3.4664e-05, 9.2014e-02],  
 [7.6654e+01, 2.8953e-01, 3.1622e+00],  
 [2.3445e+00, 3.6533e-03, 2.8663e-01],  
 [2.7976e+01, 1.0297e-01, 8.4232e-01],  
 [6.6548e-01, 5.1416e-05, 6.0848e-02],  
 [1.5494e+02, 2.6591e+00, 2.4136e+00],  
 [2.3562e+00, 1.0158e-03, 1.5017e-01],

[2.4364e+01, 2.9880e-02, 1.7513e+00],  
 [3.9470e+01, 2.3703e-01, 1.0432e+00],  
 [3.7834e+01, 1.5805e-01, 2.3890e+00],  
 [1.8306e+00, 5.1066e-04, 1.6038e-01],  
 [3.3489e-02, 3.7731e-08, 4.7044e-03],  
 [2.1559e+02, 2.0372e+00, 4.6680e+00],  
 [1.2857e+00, 2.7581e-04, 1.2701e-01],  
 [5.4704e+01, 1.4528e-01, 1.1994e+00],  
 [2.5351e-01, 3.9137e-05, 2.8064e-02],  
 [1.0831e+02, 1.7342e+00, 2.6286e+00],  
 [9.5065e+00, 7.6320e-03, 4.2536e-01],  
 [8.4017e+00, 8.0945e-03, 5.8718e-01],  
 [3.0014e-02, 4.3978e-07, 4.4833e-03],  
 [2.0866e-02, 2.7157e-07, 3.1032e-03],  
 [5.8418e+00, 8.1357e-03, 2.7286e-01],  
 [8.6880e+00, 9.0470e-03, 4.2507e-01],  
 [2.2324e+02, 1.0482e+00, 4.5307e+00],  
 [1.3971e+02, 1.9466e-01, 3.1155e+00],  
 [2.7531e+00, 9.8489e-04, 1.5098e-01],  
 [7.3007e-02, 1.0390e-06, 9.4684e-03],  
 [7.9412e-02, 4.0750e-06, 1.1635e-02],  
 [6.4202e+01, 2.1283e-01, 2.5329e+00],  
 [9.2823e-03, 2.1044e-08, 1.4579e-03],  
 [1.3825e-02, 6.0330e-08, 2.0480e-03],  
 [1.7961e-01, 4.8483e-06, 2.0527e-02],  
 [5.3057e-01, 9.4406e-05, 5.2096e-02],  
 [8.6552e+00, 4.1658e-02, 7.5660e-01],  
 [1.7560e-01, 1.9188e-05, 2.2194e-02],  
 [2.9121e+01, 2.1964e-01, 1.3099e+00],  
 [3.6780e-01, 4.6957e-05, 4.0945e-02],  
 [2.7363e+01, 8.8267e-02, 8.8522e-01],  
 [2.4621e+00, 1.9360e-03, 2.1297e-01],  
 [3.1429e+00, 5.1462e-04, 1.7775e-01],  
 [1.1032e+01, 1.1839e-02, 5.4813e-01],  
 [3.1801e-01, 4.8859e-05, 2.9788e-02],  
 [3.9478e-02, 1.0389e-07, 5.3934e-03],  
 [4.7836e+00, 2.4814e-03, 3.5696e-01],  
 [3.1332e-02, 4.3935e-07, 4.4254e-03],  
 [4.5346e+01, 7.2569e-02, 1.5020e+00],  
 [2.3100e-01, 1.7823e-05, 2.8953e-02],  
 [1.5111e+00, 2.2681e-04, 1.6513e-01],  
 [5.6099e+01, 4.5917e-01, 1.4822e+00],  
 [5.2851e+01, 8.3111e-02, 1.4144e+00],  
 [8.3222e+01, 1.2590e+00, 1.9601e+00],  
 [1.0944e-02, 2.1128e-08, 1.6764e-03],  
 [2.0884e+01, 1.2693e-01, 1.0262e+00],  
 [1.8708e+01, 3.5015e-02, 5.2036e-01],  
 [3.6921e+00, 8.0416e-04, 3.1707e-01],



[2.2721e+01, 1.0518e-02, 8.4798e-01],  
 [4.4189e+00, 5.8765e-04, 2.3866e-01],  
 [5.1810e+01, 7.7683e-02, 2.2517e+00],  
 [6.8400e-01, 1.2923e-04, 8.5904e-02],  
 [1.1189e+02, 6.3894e-01, 2.7572e+00],  
 [2.3302e+01, 1.7814e-01, 1.0713e+00],  
 [2.4717e+02, 1.5530e+00, 4.9593e+00],  
 [2.2957e+00, 4.4551e-04, 2.1621e-01],  
 [1.2903e-01, 1.0146e-05, 1.7000e-02],  
 [4.2386e-03, 2.8532e-09, 6.7762e-04],  
 [2.4989e-01, 7.6564e-06, 3.1225e-02],  
 [3.5650e+00, 3.2533e-03, 2.5367e-01],  
 [3.5380e-01, 1.1271e-05, 3.6559e-02],  
 [8.2763e-01, 1.4491e-04, 6.4893e-02],  
 [4.3114e-01, 1.0627e-05, 3.9923e-02],  
 [3.0099e-01, 4.7513e-05, 3.1031e-02],  
 [3.8171e+00, 3.6502e-04, 1.9357e-01],  
 [1.1024e+01, 1.0337e-02, 5.5314e-01],  
 [8.5183e-02, 2.3959e-06, 1.0805e-02],  
 [6.2036e+00, 2.3961e-03, 3.3876e-01],  
 [1.0559e+01, 1.4213e-02, 4.1112e-01],  
 [3.2325e+01, 1.7572e-01, 9.6335e-01],  
 [5.8243e+01, 1.7082e-01, 2.7116e+00],  
 [9.2328e+00, 7.0454e-03, 5.9641e-01],  
 [9.8122e+01, 2.9315e+00, 2.5447e+00],  
 [6.0446e-01, 7.3600e-05, 4.6762e-02],  
 [2.7050e+01, 9.9567e-02, 1.8718e+00],  
 [2.0263e+00, 1.5062e-03, 2.5857e-01],  
 [2.2177e+00, 8.4138e-04, 2.0219e-01],  
 [1.4914e+01, 2.3288e-02, 1.0854e+00],  
 [4.9529e+01, 3.5563e-01, 1.8747e+00],  
 [5.1723e-02, 6.4379e-07, 7.9644e-03],  
 [4.4025e-02, 1.0753e-07, 6.0050e-03],  
 [1.1710e+00, 1.8987e-05, 9.9747e-02],  
 [3.5793e+00, 4.3433e-03, 3.9276e-01],  
 [6.1064e+01, 2.7387e-01, 1.0998e+00],  
 [1.3677e+02, 3.6158e+00, 2.7942e+00],  
 [1.2254e+00, 5.2701e-04, 1.3105e-01],  
 [8.7572e-02, 8.8300e-06, 1.2780e-02],  
 [9.8353e-01, 4.5101e-04, 7.9284e-02],  
 [2.0118e+01, 7.5843e-02, 7.3355e-01],  
 [1.4472e+02, 2.5838e+00, 3.6380e+00],  
 [6.5923e+00, 1.7844e-02, 4.1182e-01],  
 [5.1266e+01, 3.0438e-01, 1.3924e+00],  
 [5.2512e-01, 5.6687e-05, 5.7676e-02],  
 [1.9127e+02, 3.6508e+00, 3.7095e+00],  
 [3.7084e+01, 4.3144e-01, 1.5457e+00],  
 [5.0181e+00, 3.2466e-02, 5.6121e-01],

```

[1.2505e+02, 4.4284e+00, 3.7862e+00],
[1.8807e+01, 7.8216e-02, 6.7120e-01],
[9.7874e+00, 2.9909e-02, 4.9774e-01],
[1.7059e+01, 1.9317e-02, 1.3419e+00],
[6.2887e-03, 2.8485e-08, 9.7396e-04],
[4.2612e+01, 2.4502e-01, 1.2726e+00],
[1.1041e+00, 3.4582e-04, 1.3746e-01],
[8.3386e-01, 1.9838e-04, 7.0728e-02],
[2.2704e-01, 1.4709e-05, 2.6900e-02],
[9.6818e-01, 4.7771e-04, 8.2364e-02],
[1.6398e+00, 3.5856e-04, 1.5965e-01],
[1.0844e+00, 3.6121e-04, 9.7453e-02],
[6.9923e+01, 6.7696e-01, 2.7528e+00],
[9.9380e-02, 6.9873e-06, 1.1975e-02],
[4.3166e+01, 8.2235e-01, 2.5913e+00],
[1.5508e+02, 3.1997e+00, 3.6567e+00],
[6.5361e+00, 1.5545e-02, 3.6761e-01],
[9.7981e-02, 5.7131e-06, 1.2202e-02],
[4.8755e-01, 7.6265e-05, 4.2350e-02],
[2.6874e-01, 2.8684e-05, 2.7052e-02],
[1.3569e+00, 2.7057e-04, 8.4318e-02],
[6.5010e+01, 3.1403e-01, 1.7860e+00],
[3.2059e+01, 1.7780e-01, 1.1958e+00],
[4.8265e-01, 1.3633e-04, 4.5604e-02],
[2.9266e+01, 4.8735e-02, 1.5602e+00],
[5.2753e+01, 4.8534e-01, 2.2739e+00],
[1.7641e-02, 2.6745e-07, 2.6379e-03],
[2.7690e+01, 2.4288e-01, 1.8282e+00],
[8.8822e+01, 1.4990e+00, 2.9535e+00],
[9.2520e+00, 2.9608e-02, 4.1284e-01],
[9.6447e-02, 3.1056e-06, 1.3676e-02],
[4.5069e-01, 1.2863e-05, 4.9876e-02],
[4.2179e+01, 1.6573e-01, 1.3040e+00],
[4.2744e-01, 8.7405e-05, 4.7470e-02],
[1.8823e+00, 2.2937e-04, 2.1186e-01],
[3.7491e+00, 2.9837e-03, 3.3067e-01],
[1.2586e+01, 4.2133e-02, 6.0386e-01],
[1.7427e-01, 3.1770e-06, 2.3694e-02],
[6.8379e+00, 1.1157e-02, 3.6403e-01],
[1.3429e+02, 1.8185e+00, 2.6738e+00],
[7.0771e-02, 4.6624e-06, 9.3515e-03],
[4.5103e-01, 1.0148e-04, 4.0912e-02],
[5.2537e+00, 9.6399e-04, 2.7890e-01],
[2.5642e+01, 2.9417e-02, 1.8086e+00]], dtype=torch.float64)

```

Iteration: 94

```

Inputs: tensor([[5.7941e+19, 2.2593e+02, 8.4955e+00, 4.1006e+00],
               [1.1491e+20, 7.2942e+01, 6.9305e+00, 6.9168e+00],
               [1.5032e+20, 4.1758e+02, 3.0363e+00, 8.7213e+00],

```

```

...,
[3.3270e+19, 1.7355e+02, 1.2348e+01, 5.0733e+00],
[5.4060e+19, 4.0777e+02, 4.7008e+00, 7.0261e+00],
[4.4941e+20, 4.5537e+02, 1.6161e+01, 8.0843e+00]], dtype=torch.float64)
Target: tensor([[1.7257e+01, 2.9665e-02, 8.4691e-01],
[1.3716e+01, 4.8217e-02, 9.5702e-01],
[9.7165e+01, 1.0893e+00, 1.8519e+00],
[2.9570e+01, 9.7955e-02, 8.3142e-01],
[1.1060e+02, 1.6879e+00, 2.8737e+00],
[6.5424e-01, 1.1866e-04, 6.7221e-02],
[2.7166e-01, 2.8828e-05, 2.9248e-02],
[5.7552e+00, 9.3894e-03, 3.2560e-01],
[3.0070e+00, 1.0266e-04, 1.9767e-01],
[1.0637e+02, 1.9700e+00, 3.3763e+00],
[2.1396e-03, 3.3976e-10, 3.4478e-04],
[2.3914e-01, 5.4823e-05, 2.7594e-02],
[1.1493e+01, 1.1235e-02, 7.1529e-01],
[3.2788e-01, 6.3101e-05, 3.6301e-02],
[2.0088e+00, 5.8357e-04, 1.4275e-01],
[9.8234e+01, 6.9295e-01, 2.6083e+00],
[1.1231e+00, 5.2805e-04, 1.1510e-01],
[4.0017e-01, 2.9129e-05, 4.5215e-02],
[8.1350e-02, 4.9002e-06, 1.0020e-02],
[7.3621e-01, 2.1048e-04, 6.8305e-02],
[8.6483e-01, 6.8116e-05, 6.7665e-02],
[3.0754e-01, 1.8493e-05, 3.5134e-02],
[5.6910e+00, 3.2661e-03, 2.7348e-01],
[1.2278e-01, 5.4476e-07, 1.4227e-02],
[6.6820e-01, 8.8032e-05, 7.8377e-02],
[1.4171e+00, 4.9589e-04, 1.1645e-01],
[1.6604e+01, 2.1956e-02, 6.1455e-01],
[1.6015e+01, 6.1519e-02, 1.3744e+00],
[4.7823e+01, 3.9025e-01, 1.4698e+00],
[1.9943e+01, 9.2272e-02, 7.0586e-01],
[1.8555e+00, 1.1988e-03, 1.6770e-01],
[5.1849e-01, 3.2246e-04, 6.6080e-02],
[1.4100e+00, 6.0508e-04, 1.1672e-01],
[5.0606e-01, 2.0820e-05, 3.9776e-02],
[3.9869e-01, 1.0486e-04, 5.1610e-02],
[1.0530e+00, 1.5115e-03, 1.3453e-01],
[9.2654e-01, 2.5409e-04, 7.0680e-02],
[4.7521e+01, 8.1638e-01, 2.4005e+00],
[4.4798e+00, 8.0074e-03, 4.3771e-01],
[6.9955e+01, 1.4767e+00, 3.2337e+00],
[1.0820e+02, 2.1958e+00, 3.4034e+00],
[6.9905e+01, 3.8848e-01, 2.5126e+00],
[2.4696e+01, 6.0208e-02, 1.1520e+00],
[1.7281e+00, 4.4546e-04, 1.4769e-01],

```

[5.6537e+00, 5.8494e-03, 3.3991e-01],  
 [6.9625e-01, 1.0782e-04, 5.6786e-02],  
 [1.3014e+02, 1.9638e-01, 3.2593e+00],  
 [2.9565e+01, 5.6282e-01, 2.3921e+00],  
 [2.2904e+00, 4.5298e-03, 2.9505e-01],  
 [7.3584e+00, 9.1811e-03, 4.0514e-01],  
 [1.9344e+02, 2.9661e+00, 2.8916e+00],  
 [6.4205e+01, 1.0279e+00, 1.7328e+00],  
 [1.1325e+02, 1.1640e+00, 2.1118e+00],  
 [1.2604e+02, 1.1607e+00, 3.9889e+00],  
 [2.7965e-01, 2.1072e-05, 3.2073e-02],  
 [2.0323e+02, 4.7366e+00, 4.5916e+00],  
 [2.1054e+00, 2.1547e-04, 1.2062e-01],  
 [3.7239e-01, 3.6265e-05, 3.5937e-02],  
 [1.7574e+02, 3.7728e+00, 3.3220e+00],  
 [5.8618e-01, 1.6131e-04, 5.3812e-02],  
 [9.2065e+01, 9.2963e-01, 2.0505e+00],  
 [7.8007e-01, 2.1381e-04, 7.6446e-02],  
 [4.5434e-01, 5.1777e-05, 5.0789e-02],  
 [1.4631e-01, 1.9069e-05, 1.8575e-02],  
 [2.6963e+00, 3.2022e-03, 1.8869e-01],  
 [8.1204e+00, 1.1644e-02, 3.5598e-01],  
 [5.6279e+00, 4.8818e-03, 3.4509e-01],  
 [1.3378e+00, 6.5511e-04, 1.6487e-01],  
 [1.3881e+02, 4.5028e+00, 4.2946e+00],  
 [2.9922e+00, 1.2607e-03, 1.9382e-01],  
 [1.3378e+00, 5.2157e-04, 9.7723e-02],  
 [6.3121e+00, 5.5529e-03, 4.9062e-01],  
 [1.8930e+00, 1.1983e-04, 1.8489e-01],  
 [1.5434e+02, 5.8669e+00, 3.9755e+00],  
 [4.5380e-01, 1.5196e-05, 5.6702e-02],  
 [5.3219e+01, 1.0251e-01, 1.5521e+00],  
 [2.0456e+01, 3.3879e-03, 6.9847e-01],  
 [1.3406e+00, 2.3790e-04, 7.5787e-02],  
 [1.2749e+00, 4.8162e-04, 9.2379e-02],  
 [2.6405e+01, 1.6406e-01, 1.7955e+00],  
 [1.4243e-01, 6.7383e-06, 1.6197e-02],  
 [1.4335e+02, 6.7897e-01, 2.4659e+00],  
 [1.1435e+00, 2.0968e-04, 8.1526e-02],  
 [7.1288e-01, 8.8177e-05, 6.9079e-02],  
 [8.5822e-01, 3.6985e-04, 1.2606e-01],  
 [2.6998e+00, 1.5946e-03, 1.8621e-01],  
 [1.1358e+01, 1.7060e-03, 5.9372e-01],  
 [5.4235e-01, 1.8207e-04, 6.3751e-02],  
 [2.4321e-01, 1.2154e-05, 2.6778e-02],  
 [3.8481e+01, 4.8153e-01, 1.7712e+00],  
 [7.3127e-01, 2.3754e-04, 7.1287e-02],  
 [3.6648e+01, 1.8095e-01, 9.1630e-01],

[7.3100e+00, 1.5552e-02, 4.1621e-01],  
 [6.3111e+01, 7.3212e-01, 1.7350e+00],  
 [2.0207e+01, 3.2948e-02, 6.9732e-01],  
 [2.0400e+01, 1.8094e-01, 1.5517e+00],  
 [2.3824e-01, 1.8895e-05, 2.4327e-02],  
 [4.7408e+01, 8.2444e-03, 1.5436e+00],  
 [1.8447e+01, 5.4085e-02, 8.9498e-01],  
 [3.2740e+01, 2.9456e-01, 9.3560e-01],  
 [4.8914e+01, 1.5602e-01, 1.8199e+00],  
 [3.0178e-01, 1.5704e-05, 4.0270e-02],  
 [1.4708e+01, 2.9907e-02, 6.0151e-01],  
 [5.9469e+01, 8.5131e-01, 1.4708e+00],  
 [5.4035e+01, 1.0239e-01, 1.1120e+00],  
 [3.3458e-04, 2.1405e-11, 5.4825e-05],  
 [4.1691e+01, 3.4873e-01, 1.0917e+00],  
 [8.5047e-01, 1.9555e-04, 5.7660e-02],  
 [3.2024e-01, 2.6265e-05, 3.7745e-02],  
 [5.1395e+00, 4.0915e-03, 3.9202e-01],  
 [4.2129e-01, 3.6095e-05, 4.7874e-02],  
 [3.5737e-01, 5.5828e-05, 3.3553e-02],  
 [8.6523e-02, 1.4606e-06, 1.1108e-02],  
 [3.5766e+01, 3.2951e-01, 1.0311e+00],  
 [1.2366e-01, 1.2319e-06, 1.5955e-02],  
 [1.3605e+01, 2.7031e-02, 5.0864e-01],  
 [7.4223e+00, 5.7956e-03, 4.1471e-01],  
 [4.8144e+01, 4.8391e-02, 2.7346e+00],  
 [2.1834e-01, 1.6715e-05, 2.5141e-02],  
 [4.7455e-01, 1.7709e-05, 4.9943e-02],  
 [5.5901e-01, 3.0783e-05, 4.5988e-02],  
 [9.5566e-01, 1.5018e-04, 1.1957e-01],  
 [4.7088e-02, 6.8885e-07, 6.2905e-03],  
 [1.6034e+02, 4.8809e+00, 4.2589e+00],  
 [1.3277e+00, 4.2070e-04, 1.0026e-01],  
 [1.7041e+01, 3.7756e-02, 1.3714e+00],  
 [1.7234e+02, 5.2786e+00, 3.3798e+00],  
 [1.2307e+02, 3.8072e+00, 2.8507e+00],  
 [8.5557e+01, 9.3476e-01, 2.2015e+00],  
 [1.8806e-02, 1.0106e-07, 2.8535e-03],  
 [9.8302e-01, 1.1340e-04, 9.0661e-02],  
 [3.7149e-02, 9.2243e-07, 5.3769e-03],  
 [3.5245e-01, 2.5205e-05, 3.8361e-02],  
 [1.4402e+02, 6.2243e-01, 3.7444e+00],  
 [2.0233e+02, 9.6517e+00, 4.5716e+00],  
 [2.0295e+01, 7.5628e-02, 7.9252e-01],  
 [2.0453e+02, 3.4710e+00, 4.7888e+00],  
 [9.3451e+00, 1.4619e-02, 4.3686e-01],  
 [7.6768e-01, 7.7836e-05, 6.9312e-02],  
 [2.3846e-02, 2.0934e-07, 3.5962e-03],

[1.2257e+01, 2.7401e-02, 5.5355e-01],  
[5.5023e+01, 4.1278e-01, 1.2779e+00],  
[2.8429e+01, 9.1868e-02, 1.1575e+00],  
[5.1134e-01, 1.2436e-04, 5.0539e-02],  
[1.9480e+01, 3.7283e-02, 6.7567e-01],  
[9.3983e-01, 5.4029e-05, 9.6249e-02],  
[3.2336e+01, 2.8507e-01, 1.0861e+00],  
[1.0700e+00, 3.9985e-04, 1.1850e-01],  
[2.4239e+00, 4.3388e-04, 2.1674e-01],  
[2.1665e+01, 1.3611e-01, 8.2722e-01],  
[3.9322e+00, 1.2708e-03, 4.3739e-01],  
[3.1060e-02, 3.0647e-07, 4.6219e-03],  
[1.0323e+00, 4.2046e-04, 8.0970e-02],  
[3.0195e+01, 9.0721e-02, 9.6456e-01],  
[2.4770e+01, 8.2000e-02, 1.1202e+00],  
[3.1108e-01, 1.1437e-04, 4.0710e-02],  
[7.4215e+01, 2.2455e-01, 3.1109e+00],  
[1.0586e-01, 1.8978e-06, 1.2654e-02],  
[1.2594e-01, 3.6262e-07, 1.7180e-02],  
[5.3467e+00, 6.3063e-03, 3.4976e-01],  
[3.3678e-02, 8.6028e-08, 4.7525e-03],  
[3.7355e+00, 1.9593e-02, 4.4994e-01],  
[8.3915e-01, 1.2702e-04, 9.7773e-02],  
[5.6482e-01, 1.7447e-04, 4.9552e-02],  
[3.8716e+01, 1.5192e-01, 1.9978e+00],  
[3.5119e-01, 9.4561e-06, 4.1500e-02],  
[2.2089e+02, 2.9862e+00, 4.0633e+00],  
[6.0240e+01, 1.3567e+00, 2.0982e+00],  
[5.6401e-02, 7.1885e-07, 8.4125e-03],  
[7.6104e-01, 2.4987e-04, 9.0377e-02],  
[2.9118e-01, 5.3849e-05, 3.6994e-02],  
[3.6314e+00, 3.1884e-03, 4.1355e-01],  
[9.6590e+01, 2.3098e+00, 2.9459e+00],  
[3.8580e+00, 1.0100e-03, 2.6563e-01],  
[5.8447e+01, 8.6133e-02, 1.6936e+00],  
[5.6141e+00, 2.1887e-03, 3.7780e-01],  
[5.7491e-01, 2.4288e-04, 7.0147e-02],  
[9.0868e+00, 2.3694e-03, 6.0770e-01],  
[9.2427e+01, 1.8040e+00, 3.8251e+00],  
[3.4013e-01, 1.5679e-05, 3.2774e-02],  
[1.6253e-01, 6.5017e-06, 1.9752e-02],  
[5.4471e+00, 1.6308e-02, 6.0388e-01],  
[2.2674e-01, 1.7814e-05, 2.5621e-02],  
[3.1112e+01, 7.8618e-03, 9.2861e-01],  
[3.8878e+00, 1.5227e-03, 1.8421e-01],  
[9.2705e+01, 2.0201e+00, 2.6712e+00],  
[4.3153e+01, 1.2391e-01, 1.0447e+00],  
[1.8191e+01, 2.9191e-02, 7.0847e-01],

[1.2506e-01, 5.5905e-06, 1.7472e-02],  
[5.8956e+01, 4.7999e-01, 1.4725e+00],  
[6.5302e-01, 3.8167e-04, 8.4167e-02],  
[6.8230e-02, 1.5691e-06, 9.2643e-03],  
[6.0597e+00, 1.1695e-02, 2.9020e-01],  
[2.7840e+00, 3.2632e-03, 2.0896e-01],  
[7.6232e+01, 1.5117e-01, 2.0599e+00],  
[1.5765e+01, 2.7990e-03, 6.7464e-01],  
[1.4806e-01, 9.4094e-06, 1.6177e-02],  
[9.8392e+00, 6.3640e-03, 7.6726e-01],  
[4.4258e-01, 3.4131e-06, 3.9113e-02],  
[1.0660e+02, 2.2319e+00, 2.8830e+00],  
[6.4796e+00, 2.9285e-02, 6.0302e-01],  
[1.0924e+02, 5.2633e-01, 3.4367e+00],  
[1.3541e+01, 2.4088e-02, 8.5048e-01],  
[1.6034e-01, 4.7044e-06, 1.8108e-02],  
[4.0039e+01, 2.8593e-01, 9.6040e-01],  
[7.5794e-03, 8.1346e-09, 1.1546e-03],  
[1.8329e-01, 4.3918e-06, 1.8334e-02],  
[2.4300e+00, 2.5444e-03, 1.7106e-01],  
[3.7932e+00, 6.7124e-04, 4.5750e-01],  
[6.3271e+01, 5.4554e-01, 2.3306e+00],  
[1.1435e+01, 8.4245e-03, 6.6519e-01],  
[2.0617e-02, 1.5210e-07, 2.9528e-03],  
[3.7024e+00, 1.1063e-03, 1.8404e-01],  
[1.2864e+02, 3.9014e+00, 2.9758e+00],  
[3.4987e+01, 9.8037e-02, 1.9479e+00],  
[7.4714e+01, 4.6228e-01, 1.6550e+00],  
[3.3027e+00, 8.3930e-04, 3.1869e-01],  
[1.9984e+01, 1.1169e-01, 9.1134e-01],  
[5.2504e+00, 4.2190e-03, 2.8488e-01],  
[3.1582e+01, 3.9704e-02, 8.2885e-01],  
[8.0510e-04, 8.2623e-10, 1.3026e-04],  
[2.0368e+01, 4.5835e-02, 6.1459e-01],  
[3.4526e-01, 5.4600e-05, 3.8470e-02],  
[7.5773e+00, 8.5877e-03, 3.4498e-01],  
[2.2436e-01, 3.3723e-05, 2.7876e-02],  
[4.2664e+01, 9.9091e-02, 2.7537e+00],  
[1.5208e+02, 3.2034e+00, 3.9463e+00],  
[2.4944e-01, 1.1953e-05, 3.4754e-02],  
[1.1924e+02, 4.1542e+00, 3.2548e+00],  
[1.9527e+00, 4.4001e-04, 1.3168e-01],  
[6.5528e+01, 4.8048e-01, 3.7101e+00],  
[2.5663e-01, 2.9101e-05, 3.0898e-02],  
[5.5138e-01, 1.4317e-04, 6.8022e-02],  
[1.8246e+00, 1.2264e-04, 1.0169e-01],  
[1.8710e+01, 9.1547e-02, 9.8674e-01],  
[3.0211e+01, 2.0858e-02, 7.7580e-01],

[6.8617e-02, 7.2143e-07, 8.9653e-03],  
[6.3882e-01, 1.2281e-04, 5.6410e-02],  
[4.0689e-02, 1.6968e-06, 5.7034e-03],  
[1.4516e-01, 2.8306e-05, 1.9949e-02],  
[5.6305e+01, 2.3972e-01, 2.3706e+00],  
[1.1902e+00, 6.5669e-04, 9.5709e-02],  
[1.2593e-01, 5.5688e-06, 1.5176e-02],  
[6.4611e-01, 4.2468e-05, 4.7537e-02],  
[1.2601e-01, 3.0506e-06, 1.4960e-02],  
[1.4367e+00, 4.0755e-04, 1.4413e-01],  
[4.7958e-02, 9.8044e-07, 7.0968e-03],  
[5.1550e+00, 9.4718e-03, 2.9463e-01],  
[9.0665e-01, 2.4651e-04, 9.9295e-02],  
[1.2313e+02, 1.9533e+00, 2.6468e+00],  
[2.7761e-01, 2.4660e-05, 2.6688e-02],  
[2.1165e+00, 1.9998e-03, 1.9043e-01],  
[2.2785e+00, 1.4639e-03, 1.5378e-01],  
[5.9077e-02, 2.5592e-06, 8.1982e-03],  
[2.5313e-01, 3.6514e-05, 2.4960e-02],  
[5.9388e+01, 1.0774e+00, 1.9645e+00],  
[3.9538e+01, 3.4759e-01, 1.1612e+00],  
[2.5252e+02, 3.2963e+00, 4.2835e+00],  
[2.6078e+01, 1.3957e-02, 8.3441e-01],  
[1.0199e+02, 2.1097e+00, 3.2573e+00],  
[5.5320e+01, 3.4292e-01, 3.1262e+00],  
[4.0177e+01, 2.0038e-01, 1.4176e+00],  
[2.2814e+00, 2.1058e-03, 1.9576e-01],  
[3.1302e+00, 3.2063e-04, 1.4313e-01],  
[2.5363e+01, 6.9702e-02, 8.1411e-01],  
[2.1221e+00, 1.1194e-03, 1.4575e-01],  
[1.2582e+02, 2.2262e+00, 3.4043e+00],  
[1.3823e+01, 2.1430e-02, 4.3482e-01],  
[4.4175e+00, 2.1678e-03, 3.6539e-01],  
[5.8629e-01, 6.8157e-05, 5.9839e-02],  
[1.0981e+02, 1.2147e-01, 2.6544e+00],  
[1.1753e+02, 2.9215e+00, 3.0313e+00],  
[2.6254e+01, 1.0007e-01, 9.5769e-01],  
[2.3616e-01, 1.9419e-05, 2.7615e-02],  
[3.6128e+01, 1.8759e-01, 1.4034e+00],  
[3.7238e+00, 1.1673e-03, 3.9613e-01],  
[4.1509e-02, 6.1993e-07, 6.3912e-03],  
[6.3469e-02, 1.0884e-06, 9.4106e-03],  
[1.0616e+01, 1.4159e-02, 4.0185e-01],  
[8.4801e+00, 2.3331e-02, 3.9770e-01],  
[2.0833e+00, 1.7052e-03, 1.5315e-01],  
[7.2915e-02, 1.8411e-06, 8.9996e-03],  
[1.1460e-01, 7.9640e-06, 1.4282e-02],  
[2.0365e+01, 2.0789e-02, 6.3831e-01],



```

[5.5406e-02, 8.0819e-07, 8.1964e-03],
[1.7753e+00, 6.9233e-05, 1.3985e-01],
[3.1696e+00, 1.1518e-03, 2.1795e-01],
[8.6067e+00, 1.4891e-02, 4.7778e-01],
[1.9290e+01, 7.7781e-02, 1.2469e+00],
[2.0375e+02, 7.4659e-01, 4.3059e+00],
[1.5373e+00, 8.9904e-04, 1.1566e-01],
[1.2817e+00, 2.2242e-04, 1.0222e-01],
[4.9908e+00, 5.1510e-03, 2.9495e-01],
[2.3265e+01, 2.6983e-02, 1.4593e+00],
[4.8887e-02, 3.9551e-07, 6.7507e-03],
[8.2732e+00, 1.0919e-03, 4.2765e-01],
[1.3390e+01, 1.3693e-02, 6.4887e-01],
[2.0522e+00, 2.2130e-04, 1.6764e-01],
[2.1590e-01, 1.1660e-05, 2.3864e-02],
[1.3186e+01, 4.6035e-02, 6.8581e-01],
[6.5438e+01, 3.4100e-01, 3.4734e+00],
[9.4533e+01, 2.5082e-01, 4.1461e+00],
[4.9619e-02, 3.1855e-06, 7.4669e-03],
[4.0873e+01, 2.1190e-01, 1.0991e+00],
[1.1673e+02, 1.1852e+00, 3.2536e+00],
[1.2648e+01, 2.3381e-02, 5.9068e-01],
[1.1729e-02, 5.0190e-08, 1.7611e-03],
[4.4365e-01, 7.6615e-05, 4.8210e-02],
[1.9393e+00, 5.1630e-04, 1.8137e-01],
[1.0224e+02, 1.4054e+00, 2.3810e+00],
[2.6789e+01, 4.8928e-02, 1.4324e+00],
[6.5910e+01, 9.8882e-01, 2.9306e+00],
[1.0564e+00, 3.7920e-04, 8.9472e-02],
[2.2766e-01, 4.0470e-06, 2.4328e-02],
[5.3313e+01, 1.2557e-01, 1.1443e+00],
[1.2123e+02, 3.5258e+00, 3.8351e+00],
[2.6378e+00, 4.9947e-04, 2.6169e-01],
[5.7226e+00, 7.6034e-03, 4.2582e-01],
[4.0821e+01, 1.7278e-01, 1.0001e+00],
[1.3629e+02, 4.0123e+00, 3.2868e+00]], dtype=torch.float64)
Iteration: 95
Inputs: tensor([[1.9005e+20, 8.6884e+01, 1.5147e+01, 6.0043e+00],
               [1.9733e+18, 3.8113e+02, 1.2080e+01, 6.9099e+00],
               [2.5023e+20, 2.8449e+01, 3.8067e+00, 1.2636e+00],
               ...,
               [1.3681e+19, 4.0556e+02, 7.8023e+00, 8.0794e+00],
               [3.1564e+19, 3.6344e+02, 6.0062e+00, 9.4490e+00],
               [1.0497e+19, 1.4683e+02, 1.7985e+01, 1.9378e+00]]), dtype=torch.float64)
Target: tensor([[1.2872e+01, 6.5547e-02, 1.0445e+00],
               [4.0068e-01, 5.2050e-05, 3.7279e-02],
               [2.1072e+00, 2.0019e-04, 2.7439e-01],
               [8.1340e+01, 8.1461e-01, 3.4485e+00],

```

[4.3797e+01, 4.4244e-02, 2.0976e+00],  
 [5.8626e-01, 7.6381e-05, 5.7111e-02],  
 [1.0689e+01, 1.6675e-02, 6.9687e-01],  
 [2.2780e+00, 1.0169e-03, 1.7960e-01],  
 [7.9479e-01, 8.2499e-05, 6.9249e-02],  
 [9.6278e-01, 2.3277e-04, 9.4202e-02],  
 [1.2530e+01, 3.5296e-02, 5.9202e-01],  
 [8.6124e-02, 1.6932e-06, 1.2058e-02],  
 [1.6986e+01, 1.1971e-01, 8.1000e-01],  
 [3.6265e+00, 7.8244e-04, 2.4637e-01],  
 [5.7412e+01, 1.2280e+00, 2.8739e+00],  
 [5.5674e-01, 1.8484e-04, 6.0905e-02],  
 [7.8230e-02, 2.7721e-06, 1.0229e-02],  
 [2.9778e+01, 7.5788e-02, 2.3052e+00],  
 [2.2537e+00, 2.0135e-03, 2.6892e-01],  
 [1.9938e+01, 1.5785e-01, 8.4248e-01],  
 [1.3812e+00, 8.3135e-05, 1.1222e-01],  
 [1.7338e+01, 1.2160e-02, 1.3637e+00],  
 [4.8951e+00, 6.5398e-03, 2.7720e-01],  
 [5.3306e+01, 1.0510e+00, 2.6439e+00],  
 [2.1408e+00, 2.5115e-03, 1.9528e-01],  
 [2.8507e+01, 7.1556e-02, 1.1380e+00],  
 [9.6172e+00, 7.8476e-03, 9.6279e-01],  
 [6.7547e-01, 8.0150e-05, 5.6336e-02],  
 [5.6181e+01, 1.4656e-01, 2.2496e+00],  
 [2.1887e+01, 3.3400e-02, 6.0757e-01],  
 [1.9636e-01, 1.6409e-05, 2.3992e-02],  
 [6.9499e-01, 2.0287e-04, 9.6299e-02],  
 [9.9377e-01, 5.5823e-04, 8.6226e-02],  
 [9.6946e-02, 8.6514e-06, 1.3720e-02],  
 [5.6082e-02, 3.4369e-07, 7.9232e-03],  
 [6.4318e+01, 8.0861e-01, 1.5791e+00],  
 [6.2452e-01, 2.8440e-05, 6.2465e-02],  
 [1.2711e+02, 1.8202e+00, 4.3423e+00],  
 [3.3742e+00, 2.2862e-03, 2.5275e-01],  
 [9.1499e+00, 1.9055e-02, 4.2305e-01],  
 [2.0294e+01, 1.1345e-02, 6.4144e-01],  
 [8.5748e-01, 2.4967e-04, 6.6081e-02],  
 [1.9491e+01, 1.1171e-01, 6.9812e-01],  
 [2.7728e+01, 1.6189e-01, 1.4517e+00],  
 [4.9216e+01, 6.6017e-01, 1.6806e+00],  
 [1.0389e+00, 5.9003e-04, 1.0824e-01],  
 [2.8313e-01, 4.7502e-05, 3.4793e-02],  
 [1.8464e+01, 5.7849e-02, 5.8602e-01],  
 [1.2370e-01, 2.2608e-06, 1.5695e-02],  
 [9.1570e-03, 3.1797e-08, 1.3846e-03],  
 [3.0001e+01, 1.2661e-01, 1.0117e+00],  
 [8.3742e-01, 6.0397e-05, 5.3110e-02],

[1.4313e+01, 4.7003e-02, 6.2147e-01],  
 [1.3075e+02, 2.6314e-01, 4.6192e+00],  
 [7.6695e+00, 1.7239e-03, 5.1296e-01],  
 [3.1735e+00, 2.3932e-04, 2.2293e-01],  
 [4.3181e-03, 2.5233e-09, 6.8929e-04],  
 [2.1915e+02, 3.8288e+00, 3.5423e+00],  
 [8.5862e+01, 2.6754e-01, 2.8699e+00],  
 [3.4443e+01, 2.4682e-01, 2.4466e+00],  
 [1.9264e+01, 5.9974e-02, 1.4182e+00],  
 [2.1112e+01, 3.1126e-01, 1.5332e+00],  
 [3.8083e+01, 1.1871e-01, 1.2832e+00],  
 [2.1036e-03, 4.7245e-09, 3.3389e-04],  
 [8.6117e-01, 9.6504e-05, 6.1885e-02],  
 [8.8778e-02, 2.1540e-06, 1.1582e-02],  
 [8.0483e-02, 4.1101e-06, 1.0900e-02],  
 [5.3731e-01, 1.1836e-04, 7.1616e-02],  
 [1.6246e+00, 9.7891e-05, 1.2709e-01],  
 [6.7858e+00, 3.0528e-03, 5.7445e-01],  
 [3.8180e+01, 3.8843e-02, 2.4737e+00],  
 [6.8542e-02, 5.4552e-06, 9.1406e-03],  
 [6.1097e+00, 1.9351e-03, 7.5311e-01],  
 [1.8270e+00, 2.9224e-04, 1.6477e-01],  
 [1.5921e+01, 1.9613e-01, 1.4833e+00],  
 [2.5203e-01, 2.6736e-05, 2.5267e-02],  
 [2.7174e-01, 5.7516e-06, 3.4853e-02],  
 [2.4360e+01, 3.0349e-02, 1.0403e+00],  
 [2.1893e+00, 4.7804e-03, 2.7083e-01],  
 [1.2241e+00, 1.0586e-04, 1.0083e-01],  
 [1.7392e-01, 9.1490e-07, 1.8093e-02],  
 [1.2328e+01, 3.9114e-02, 7.2530e-01],  
 [1.5301e+00, 9.5052e-05, 9.4530e-02],  
 [2.0165e-01, 7.7615e-06, 2.6110e-02],  
 [1.6893e-01, 2.3901e-06, 2.2055e-02],  
 [2.3509e+01, 5.3797e-02, 8.3831e-01],  
 [2.8068e+01, 4.3075e-02, 1.7134e+00],  
 [2.8832e+02, 8.1956e+00, 4.0684e+00],  
 [2.3007e+01, 8.3866e-02, 7.6162e-01],  
 [1.0178e+01, 6.0651e-03, 4.4460e-01],  
 [1.4620e+01, 2.7676e-02, 7.0489e-01],  
 [9.5374e+00, 7.1858e-03, 8.5031e-01],  
 [2.5333e+01, 3.9675e-02, 1.4812e+00],  
 [1.6580e-02, 3.9823e-08, 2.4326e-03],  
 [1.8059e+01, 2.1654e-02, 9.2935e-01],  
 [8.3971e+01, 1.1934e+00, 2.3849e+00],  
 [4.8461e+01, 1.2980e-01, 2.8240e+00],  
 [3.3203e+00, 3.1738e-04, 1.6743e-01],  
 [2.9015e+00, 2.3048e-03, 2.9611e-01],  
 [2.8403e+01, 1.2750e-01, 1.5891e+00],

[7.0329e+00, 4.9996e-03, 4.7173e-01],  
 [9.2938e-02, 1.1631e-06, 1.3023e-02],  
 [9.5059e-02, 1.3788e-06, 1.4272e-02],  
 [2.4233e-01, 2.3022e-05, 2.3257e-02],  
 [3.2360e-02, 8.0074e-08, 4.7615e-03],  
 [2.0008e+01, 5.0421e-02, 9.2391e-01],  
 [3.6318e+01, 5.4721e-02, 1.2388e+00],  
 [1.5894e+02, 1.1751e+00, 4.6458e+00],  
 [7.4856e-01, 3.6049e-04, 6.9909e-02],  
 [3.6808e+01, 1.9545e-01, 1.4171e+00],  
 [5.8418e-02, 7.9305e-07, 8.0857e-03],  
 [1.4900e+02, 1.2421e+00, 3.7670e+00],  
 [4.0424e+00, 1.3268e-03, 4.2931e-01],  
 [9.9742e-01, 6.1729e-06, 6.7110e-02],  
 [2.6993e-01, 1.0255e-05, 3.0870e-02],  
 [1.6279e+02, 1.0773e+00, 4.2691e+00],  
 [2.3296e+01, 5.6243e-02, 6.6473e-01],  
 [3.0701e+01, 5.3207e-02, 7.4299e-01],  
 [9.7092e-01, 3.2503e-04, 7.5581e-02],  
 [4.4604e+01, 5.9976e-01, 1.2739e+00],  
 [1.6348e+00, 4.5227e-04, 9.5247e-02],  
 [1.8259e+02, 1.0628e+00, 4.2385e+00],  
 [8.8120e-02, 3.9289e-06, 1.3028e-02],  
 [2.7993e+01, 9.5076e-02, 7.3350e-01],  
 [1.3356e+01, 3.7258e-02, 8.2235e-01],  
 [5.7138e+01, 8.3344e-02, 1.1878e+00],  
 [3.0904e+01, 1.7409e-01, 1.4102e+00],  
 [5.1769e+01, 3.0956e-01, 1.4733e+00],  
 [2.0075e-01, 1.8097e-05, 2.1541e-02],  
 [3.0313e+01, 3.8039e-01, 1.1831e+00],  
 [4.8414e+01, 6.2719e-01, 2.6238e+00],  
 [8.2511e-01, 2.0523e-05, 5.6131e-02],  
 [5.9400e+01, 5.9937e-01, 1.4999e+00],  
 [1.6008e+00, 2.2791e-04, 9.6422e-02],  
 [4.1007e+00, 7.4156e-03, 4.7408e-01],  
 [3.4522e+01, 4.8223e-01, 1.2192e+00],  
 [1.0373e-01, 2.4114e-06, 1.2493e-02],  
 [1.4982e+01, 6.8303e-02, 1.4259e+00],  
 [7.7398e+00, 3.6580e-02, 6.4236e-01],  
 [2.2594e+01, 3.9734e-02, 9.2312e-01],  
 [4.5146e+01, 5.5863e-01, 3.0359e+00],  
 [4.0913e-01, 4.5824e-05, 3.3358e-02],  
 [5.7105e-01, 1.4780e-04, 5.3629e-02],  
 [1.0990e+01, 1.1617e-02, 8.7681e-01],  
 [1.8899e+00, 1.5183e-05, 1.0059e-01],  
 [6.5999e-02, 2.6396e-06, 8.1390e-03],  
 [1.1113e+01, 1.8085e-02, 6.1696e-01],  
 [3.6105e+00, 1.4253e-03, 3.2898e-01],

[2.4374e+00, 4.6618e-03, 2.5958e-01],  
 [2.8656e+01, 1.8202e-01, 1.1316e+00],  
 [2.6311e-01, 3.7854e-05, 2.8791e-02],  
 [2.8667e+01, 1.2690e-01, 1.2675e+00],  
 [4.7538e+01, 8.2748e-02, 2.7680e+00],  
 [2.3544e-01, 3.8226e-05, 3.1434e-02],  
 [9.8980e-03, 1.2716e-07, 1.5139e-03],  
 [3.6744e+01, 3.0655e-01, 1.4675e+00],  
 [8.7151e+00, 2.6767e-03, 4.7821e-01],  
 [5.0469e+01, 1.1859e-01, 1.9721e+00],  
 [2.3169e+01, 1.2029e-01, 8.9447e-01],  
 [2.4941e+02, 5.2898e+00, 4.1974e+00],  
 [7.6591e+01, 5.2515e-01, 1.6374e+00],  
 [2.9801e-01, 2.1341e-05, 3.6353e-02],  
 [2.5437e+00, 1.7988e-03, 2.0702e-01],  
 [1.4277e-01, 2.4941e-06, 1.8977e-02],  
 [2.8102e+00, 7.7336e-04, 2.0362e-01],  
 [3.4406e-01, 3.4973e-05, 4.5527e-02],  
 [2.8060e+01, 1.3042e-01, 8.8010e-01],  
 [1.2493e+02, 2.5695e+00, 4.5670e+00],  
 [6.3676e+00, 3.9180e-03, 3.3324e-01],  
 [1.4805e+02, 2.1779e+00, 2.6115e+00],  
 [2.2368e+02, 1.2982e+01, 4.6680e+00],  
 [1.6767e-01, 2.2991e-05, 1.8367e-02],  
 [6.2350e+01, 3.2710e-02, 1.7820e+00],  
 [8.5443e+01, 1.7035e+00, 2.8360e+00],  
 [2.3190e+00, 5.8730e-04, 1.3023e-01],  
 [8.8482e+01, 1.1379e+00, 3.5111e+00],  
 [3.7893e+01, 1.9547e-01, 1.0718e+00],  
 [5.1642e+00, 2.5564e-03, 5.5260e-01],  
 [2.1313e+00, 8.5709e-04, 1.5119e-01],  
 [1.4587e+01, 3.4206e-02, 1.1890e+00],  
 [1.2162e+00, 1.7481e-03, 1.6294e-01],  
 [2.2750e+01, 1.2344e-01, 1.3483e+00],  
 [1.1882e+00, 2.5149e-04, 1.6540e-01],  
 [1.1327e+01, 6.1178e-02, 1.1736e+00],  
 [1.8539e+01, 1.2377e-02, 1.0431e+00],  
 [3.1359e+00, 1.3911e-03, 3.1404e-01],  
 [1.8409e-02, 1.2072e-07, 2.7793e-03],  
 [2.0506e+00, 5.2221e-04, 1.6348e-01],  
 [3.7347e+00, 5.2234e-03, 4.6377e-01],  
 [2.3471e-02, 4.1846e-07, 3.4600e-03],  
 [2.1800e+01, 7.5562e-02, 1.6172e+00],  
 [9.4495e+00, 1.2532e-02, 9.6176e-01],  
 [6.6101e+00, 1.1129e-02, 4.2710e-01],  
 [2.6266e+01, 2.0214e-02, 1.4333e+00],  
 [6.1103e-02, 1.4153e-06, 8.4591e-03],  
 [5.8262e+01, 6.8074e-01, 3.3073e+00],

[2.8516e-01, 8.7451e-06, 3.8869e-02],  
 [1.2518e+00, 5.3167e-04, 1.3751e-01],  
 [1.3673e+02, 1.5350e+00, 4.5778e+00],  
 [5.4900e+00, 8.3193e-04, 2.8829e-01],  
 [1.0484e+01, 3.6244e-02, 4.7700e-01],  
 [1.1399e+01, 6.1658e-02, 9.2152e-01],  
 [5.6000e+01, 1.8843e-01, 3.4002e+00],  
 [1.0940e+02, 8.2056e-02, 3.1635e+00],  
 [1.5989e+01, 3.1407e-02, 9.8762e-01],  
 [1.5571e+00, 3.7412e-04, 1.4003e-01],  
 [2.7301e-02, 3.6533e-07, 3.8830e-03],  
 [1.9805e-01, 3.0173e-05, 2.3275e-02],  
 [3.0583e-03, 1.5154e-09, 4.8731e-04],  
 [9.8032e+00, 6.9084e-02, 1.0546e+00],  
 [4.6724e+01, 2.2885e-01, 1.4198e+00],  
 [4.4136e-01, 8.1914e-05, 4.2492e-02],  
 [5.3468e-01, 4.2195e-05, 5.8752e-02],  
 [1.7068e+02, 2.1784e+00, 3.5069e+00],  
 [1.4704e+02, 2.8940e+00, 4.1288e+00],  
 [3.8027e-02, 1.2306e-07, 5.2612e-03],  
 [4.2165e+00, 1.1325e-03, 1.9016e-01],  
 [1.7243e-01, 1.8228e-06, 2.2627e-02],  
 [2.6682e+00, 9.7471e-04, 2.5503e-01],  
 [9.4756e-01, 1.5568e-04, 6.6869e-02],  
 [4.1992e-02, 1.9431e-06, 5.8960e-03],  
 [1.5867e-01, 1.6210e-05, 2.2708e-02],  
 [4.3019e-01, 3.2141e-05, 4.6454e-02],  
 [3.5665e-01, 7.7764e-05, 3.5061e-02],  
 [5.3990e+00, 1.7303e-02, 4.7058e-01],  
 [1.8317e+01, 1.7922e-01, 1.4489e+00],  
 [7.6092e+01, 6.7423e-01, 1.8119e+00],  
 [1.0877e+02, 1.7704e+00, 3.0865e+00],  
 [1.7434e+02, 2.2881e-01, 3.6041e+00],  
 [1.9966e-03, 4.0394e-09, 3.1907e-04],  
 [1.3850e+02, 4.0115e+00, 4.4287e+00],  
 [1.0867e+01, 3.0429e-02, 1.0004e+00],  
 [2.4298e-02, 4.3982e-07, 3.4152e-03],  
 [7.1451e+01, 5.8947e-01, 1.9207e+00],  
 [4.1134e+00, 2.3111e-03, 1.9340e-01],  
 [5.2435e+00, 9.6893e-04, 2.8260e-01],  
 [6.2107e+01, 3.2990e-01, 2.0036e+00],  
 [1.6603e+01, 1.6145e-02, 1.0606e+00],  
 [3.8647e+00, 1.1461e-02, 4.3149e-01],  
 [3.3154e+01, 3.7679e-01, 1.2508e+00],  
 [3.8836e+01, 1.2148e-01, 1.0376e+00],  
 [5.1423e+00, 1.8403e-03, 3.2617e-01],  
 [7.8356e-02, 1.9651e-07, 1.0752e-02],  
 [7.1439e-02, 3.8548e-06, 9.8303e-03],

[5.7292e+01, 3.5924e-01, 2.5756e+00],  
 [2.7600e+01, 3.7762e-02, 1.7403e+00],  
 [2.1331e-01, 7.6704e-06, 2.0063e-02],  
 [1.9291e+01, 1.1468e-02, 8.3274e-01],  
 [4.9672e-01, 1.5021e-04, 4.8532e-02],  
 [5.2650e-01, 4.5911e-04, 7.0515e-02],  
 [7.5935e-02, 6.4908e-07, 1.0315e-02],  
 [1.5234e+00, 6.5811e-04, 1.4347e-01],  
 [3.2971e+00, 2.4340e-03, 1.9758e-01],  
 [2.5213e-01, 3.3801e-05, 2.6507e-02],  
 [1.5584e+02, 1.0751e+00, 4.2878e+00],  
 [2.6482e+00, 1.6204e-04, 1.3956e-01],  
 [8.6068e+00, 3.4118e-02, 4.7006e-01],  
 [3.7953e+00, 1.4951e-03, 2.2353e-01],  
 [3.4927e-02, 8.1006e-07, 4.8130e-03],  
 [2.9938e-01, 5.9021e-05, 4.0360e-02],  
 [3.1917e+02, 1.4055e+01, 4.9787e+00],  
 [1.1362e+01, 1.5302e-02, 4.6514e-01],  
 [7.3636e+01, 2.6357e-01, 2.3949e+00],  
 [6.3092e-02, 7.0473e-07, 8.0034e-03],  
 [6.5332e+00, 8.5908e-04, 5.4741e-01],  
 [3.4166e-01, 8.2895e-06, 3.7237e-02],  
 [4.5936e-01, 1.2966e-04, 4.8714e-02],  
 [1.5213e-01, 9.8775e-06, 1.5985e-02],  
 [9.4685e+00, 2.2295e-02, 6.6035e-01],  
 [1.5249e+01, 6.9167e-02, 5.5620e-01],  
 [6.6749e+00, 1.9364e-02, 5.7713e-01],  
 [2.7547e+01, 3.6225e-02, 1.0729e+00],  
 [2.9185e+01, 2.9077e-01, 1.1842e+00],  
 [7.2893e+00, 4.9420e-03, 4.8426e-01],  
 [8.3522e+01, 1.0279e+00, 2.9541e+00],  
 [6.7933e+00, 2.8759e-03, 5.0877e-01],  
 [4.6016e+01, 4.2760e-01, 2.0959e+00],  
 [1.5606e-01, 4.5290e-06, 1.8562e-02],  
 [1.0288e+02, 1.7804e+00, 2.5665e+00],  
 [6.9744e+01, 6.7945e-01, 2.0660e+00],  
 [1.1863e-01, 5.8916e-06, 1.3397e-02],  
 [9.2924e-01, 1.7691e-04, 7.0383e-02],  
 [8.5590e-01, 4.9789e-04, 9.9783e-02],  
 [1.6733e+02, 1.1339e+00, 4.0578e+00],  
 [8.6863e+01, 3.6028e-01, 1.9936e+00],  
 [1.9210e+02, 2.9329e-01, 4.1957e+00],  
 [2.3642e+00, 3.8038e-04, 2.3135e-01],  
 [7.3748e-04, 1.0708e-10, 1.2110e-04],  
 [1.8750e+01, 3.0795e-02, 7.3581e-01],  
 [6.8330e+01, 2.0438e-01, 3.2023e+00],  
 [2.7641e+01, 5.7901e-02, 8.8578e-01],  
 [1.0146e-01, 6.4953e-06, 1.5556e-02],

```

[6.8335e+00, 1.9261e-03, 5.2209e-01],
[4.4153e+01, 4.9515e-01, 1.9935e+00],
[1.5689e+02, 5.8048e+00, 3.5202e+00],
[9.0614e-03, 4.3297e-08, 1.3636e-03],
[1.1417e+02, 2.4323e+00, 2.9540e+00],
[4.0074e-01, 6.7434e-05, 3.7552e-02],
[1.6782e-01, 2.4290e-05, 2.2038e-02],
[4.5517e-01, 8.1308e-06, 3.1883e-02],
[4.8771e+01, 3.1513e-01, 9.5516e-01],
[3.4582e-02, 1.0483e-06, 5.3387e-03],
[1.9849e+01, 1.7649e-01, 1.2891e+00],
[7.3629e+00, 9.7243e-03, 4.2254e-01],
[1.1199e+01, 4.0736e-02, 5.2440e-01],
[5.2003e-01, 6.2072e-05, 5.1102e-02],
[1.2061e+00, 1.1226e-04, 1.2982e-01],
[2.7711e-02, 6.3831e-07, 3.9734e-03],
[4.6342e+01, 1.2879e-01, 2.6345e+00],
[1.0779e+00, 9.2702e-05, 1.0990e-01],
[1.4064e-01, 1.2800e-05, 1.7457e-02],
[4.3373e+00, 8.9228e-03, 4.6541e-01],
[5.3218e-01, 1.9221e-05, 3.8901e-02],
[5.4217e+01, 2.5000e-01, 1.2916e+00],
[8.6934e+01, 2.0112e-01, 2.6744e+00],
[7.4883e+01, 6.0796e-01, 2.9259e+00],
[1.1797e+02, 1.3590e+00, 2.7961e+00],
[8.5164e+00, 1.1559e-02, 3.6246e-01],
[2.2362e+01, 8.8726e-02, 6.9100e-01],
[1.0945e-01, 3.0972e-06, 1.5803e-02]], dtype=torch.float64)
Iteration: 96
Inputs: tensor([[2.9021e+19, 3.0204e+02, 3.2648e+00, 7.3634e+00],
[1.4404e+18, 1.3543e+02, 1.2147e+01, 8.6074e+00],
[9.4987e+20, 3.3255e+02, 1.3099e+01, 7.8546e+00],
...,
[3.9424e+20, 1.3606e+02, 8.2529e+00, 6.5527e+00],
[1.0637e+19, 4.3154e+02, 7.2245e+00, 2.7729e+00],
[8.6131e+18, 4.9238e+02, 1.0354e+01, 3.8417e+00]]), dtype=torch.float64)
Target: tensor([[1.9510e+01, 3.7041e-02, 6.4503e-01],
[4.9557e-02, 2.1790e-06, 6.6437e-03],
[1.9940e+02, 7.1119e+00, 4.8736e+00],
[8.7133e-01, 2.2249e-04, 5.9990e-02],
[1.7976e+00, 1.8512e-04, 1.3386e-01],
[1.0788e+02, 1.4725e+00, 2.5103e+00],
[5.9890e+00, 1.4820e-02, 6.9445e-01],
[1.8424e+02, 6.1551e+00, 4.0711e+00],
[2.0407e+02, 2.5262e+00, 4.6304e+00],
[8.8830e-01, 1.9445e-04, 7.0676e-02],
[1.7061e-02, 8.9946e-08, 2.6427e-03],
[4.8500e-02, 1.1364e-06, 7.4025e-03],

```



[1.3365e+02, 1.1534e+00, 3.6913e+00],  
 [1.6356e+01, 3.6786e-02, 6.5918e-01],  
 [1.1971e+01, 2.6871e-02, 8.7485e-01],  
 [4.4120e+00, 6.4702e-03, 2.8144e-01],  
 [8.8912e+01, 9.5215e-01, 3.1428e+00],  
 [2.0932e+01, 9.5911e-02, 1.0268e+00],  
 [5.5557e-01, 6.4514e-05, 3.7942e-02],  
 [1.2545e+02, 1.8075e+00, 3.3045e+00],  
 [5.5917e+00, 7.2014e-03, 2.7195e-01],  
 [3.3978e+01, 5.8625e-02, 1.4430e+00],  
 [6.3631e+01, 1.0721e+00, 1.6082e+00],  
 [1.8006e-01, 1.3187e-05, 2.0455e-02],  
 [2.2377e+01, 1.4367e-01, 1.8772e+00],  
 [5.4456e+00, 7.4642e-03, 3.9927e-01],  
 [1.4152e+02, 1.8734e+00, 3.2394e+00],  
 [2.6713e+00, 5.7038e-04, 2.0632e-01],  
 [8.6251e+01, 1.4226e+00, 3.1618e+00],  
 [5.6415e-01, 3.4908e-05, 6.3976e-02],  
 [1.3258e+01, 9.7197e-02, 1.0160e+00],  
 [7.7736e-01, 8.7683e-05, 6.5528e-02],  
 [9.5828e-02, 4.3159e-06, 1.1705e-02],  
 [1.0312e+00, 3.2830e-04, 1.2512e-01],  
 [5.6390e+01, 4.3320e-01, 2.4177e+00],  
 [1.2058e+00, 5.8888e-04, 1.1261e-01],  
 [7.0212e-01, 1.8607e-04, 6.5965e-02],  
 [3.7356e-01, 7.7075e-06, 3.2803e-02],  
 [6.1832e+01, 2.3493e-01, 1.8346e+00],  
 [2.2028e+00, 1.6544e-03, 3.0036e-01],  
 [1.5724e+02, 1.3978e+00, 3.5861e+00],  
 [9.5069e-01, 2.5690e-04, 7.4009e-02],  
 [8.3305e-01, 2.9358e-04, 8.4911e-02],  
 [4.1204e-02, 6.2217e-07, 5.7119e-03],  
 [4.1950e+01, 4.2029e-01, 1.6547e+00],  
 [1.3975e+00, 5.6107e-05, 1.5995e-01],  
 [2.7384e+01, 2.9484e-01, 1.3951e+00],  
 [2.0577e+02, 7.5121e+00, 4.1591e+00],  
 [5.5039e+00, 4.9323e-03, 4.1205e-01],  
 [1.7400e+02, 2.2413e+00, 3.3185e+00],  
 [9.3138e+00, 1.9638e-02, 4.6479e-01],  
 [2.0817e+02, 6.9699e+00, 4.4250e+00],  
 [1.7046e+02, 5.2080e+00, 4.1538e+00],  
 [3.2284e+00, 5.3757e-04, 1.7592e-01],  
 [7.2870e-03, 3.5013e-08, 1.1437e-03],  
 [3.9556e+01, 2.0086e-01, 1.9933e+00],  
 [2.7716e+00, 1.2106e-03, 3.6761e-01],  
 [6.6939e+01, 3.1268e-02, 1.8899e+00],  
 [1.5938e-02, 4.5392e-08, 2.3420e-03],  
 [2.1320e-01, 4.1230e-06, 2.2977e-02],

[2.6372e-02, 2.4137e-07, 3.9855e-03],  
[3.3172e+01, 4.2018e-01, 1.2578e+00],  
[6.7163e-02, 2.2180e-06, 8.8391e-03],  
[2.0778e-02, 8.1081e-07, 3.2468e-03],  
[5.8616e+01, 6.6252e-01, 2.7360e+00],  
[9.8275e+00, 4.5664e-03, 5.6092e-01],  
[3.0518e+00, 3.8963e-04, 2.6417e-01],  
[2.1659e+00, 5.1345e-04, 1.4810e-01],  
[3.9302e-01, 7.3302e-05, 5.2533e-02],  
[1.1170e+00, 6.2191e-04, 9.9786e-02],  
[1.0735e+01, 6.4397e-03, 7.3492e-01],  
[2.6276e-01, 3.9576e-05, 3.0748e-02],  
[1.0686e+01, 3.5359e-02, 1.0139e+00],  
[3.3821e-02, 2.7360e-07, 4.7567e-03],  
[6.9625e-02, 9.4131e-07, 9.3682e-03],  
[8.7339e+00, 5.4371e-02, 1.0109e+00],  
[1.0868e+02, 3.0636e-01, 2.9924e+00],  
[9.0382e+01, 2.2393e+00, 2.5231e+00],  
[1.4689e+01, 4.9647e-02, 9.3663e-01],  
[3.7942e+00, 4.1751e-03, 2.5135e-01],  
[3.7087e+01, 1.2085e-01, 9.5737e-01],  
[1.0070e+02, 7.4032e-01, 2.4782e+00],  
[1.7959e+02, 1.4033e+00, 2.7910e+00],  
[1.9957e+00, 6.8866e-04, 1.9061e-01],  
[1.2702e+02, 3.5826e+00, 3.6877e+00],  
[1.8700e-02, 6.1740e-07, 2.8058e-03],  
[5.4389e+00, 1.3893e-02, 3.4239e-01],  
[2.4784e+01, 9.0653e-02, 7.9400e-01],  
[4.1447e+00, 7.3537e-04, 2.9932e-01],  
[2.1157e+00, 1.4556e-04, 1.9550e-01],  
[4.4324e+01, 1.0170e-02, 1.2654e+00],  
[5.0051e+01, 4.5132e-01, 1.7819e+00],  
[9.7141e-01, 7.4588e-04, 1.2523e-01],  
[1.9862e+01, 6.8080e-03, 1.6262e+00],  
[1.7200e-01, 1.8135e-05, 2.0154e-02],  
[5.0383e-02, 8.1794e-07, 6.7505e-03],  
[2.1352e+01, 6.7620e-02, 7.6301e-01],  
[3.9605e-01, 1.1546e-04, 3.9589e-02],  
[3.3414e+01, 3.8764e-01, 1.0694e+00],  
[4.2893e+00, 1.6281e-03, 2.9474e-01],  
[1.8836e+01, 1.6540e-02, 1.2146e+00],  
[4.6920e+00, 8.8875e-04, 2.3934e-01],  
[1.4476e+01, 1.4494e-02, 9.1525e-01],  
[1.3716e-03, 2.6935e-09, 2.2061e-04],  
[2.4299e+00, 6.7382e-04, 2.4081e-01],  
[2.9984e+01, 4.5108e-02, 1.7630e+00],  
[4.9894e+00, 5.1297e-03, 2.8413e-01],  
[1.2643e+00, 1.1734e-04, 7.2558e-02],

[8.3972e-01, 1.2742e-04, 7.6348e-02],  
 [6.3884e-01, 1.0761e-04, 7.3432e-02],  
 [8.8061e+00, 1.5047e-02, 9.2780e-01],  
 [7.7062e+00, 7.2439e-03, 3.9770e-01],  
 [7.6858e-01, 1.0606e-04, 5.4360e-02],  
 [2.2294e-04, 9.9355e-12, 3.6640e-05],  
 [1.6062e+02, 8.5056e-01, 3.3463e+00],  
 [3.0303e+01, 2.3360e-01, 1.1612e+00],  
 [2.7176e+00, 3.2120e-03, 2.5465e-01],  
 [6.4133e-02, 3.7773e-06, 8.6743e-03],  
 [6.8663e+01, 3.3035e-01, 2.8293e+00],  
 [8.6426e-01, 4.7570e-04, 1.0607e-01],  
 [1.0077e-01, 1.4602e-06, 1.3381e-02],  
 [6.5946e+00, 4.6309e-03, 3.4671e-01],  
 [1.3061e+02, 4.6903e+00, 3.6998e+00],  
 [1.4653e+00, 1.3418e-04, 1.0834e-01],  
 [5.8221e-02, 1.5998e-06, 8.4987e-03],  
 [9.9427e+01, 6.7345e-01, 1.7598e+00],  
 [1.4453e-01, 1.5152e-06, 1.7105e-02],  
 [3.2623e+00, 9.1100e-04, 2.5794e-01],  
 [2.8329e-01, 2.3357e-05, 3.1533e-02],  
 [2.1404e+01, 3.5368e-02, 1.1916e+00],  
 [6.1801e+01, 5.5353e-01, 3.0276e+00],  
 [2.8093e+01, 9.5696e-02, 1.3952e+00],  
 [7.8903e-02, 9.6562e-07, 1.0181e-02],  
 [5.2541e+01, 5.4385e-01, 1.4082e+00],  
 [2.4806e-01, 1.0768e-05, 2.4469e-02],  
 [8.8322e+01, 1.4965e+00, 3.4946e+00],  
 [4.6430e+01, 4.9936e-01, 2.1013e+00],  
 [3.0522e+01, 1.4579e-01, 9.7955e-01],  
 [9.3746e+01, 8.1375e-01, 2.6052e+00],  
 [1.5175e+00, 1.9714e-03, 1.8136e-01],  
 [3.6460e+00, 6.7086e-04, 2.5437e-01],  
 [3.3390e-02, 7.0107e-07, 4.6666e-03],  
 [5.4528e+00, 4.8103e-03, 3.4608e-01],  
 [1.4037e-01, 3.2493e-06, 1.7478e-02],  
 [1.0568e+00, 2.0728e-04, 1.3854e-01],  
 [1.4086e+00, 1.5567e-04, 9.2412e-02],  
 [5.4643e+00, 1.4231e-03, 2.8738e-01],  
 [1.4248e+00, 1.7407e-04, 1.6562e-01],  
 [3.4898e+00, 1.6383e-03, 3.1664e-01],  
 [1.2496e+01, 1.4675e-02, 7.9042e-01],  
 [8.0169e+00, 1.1732e-02, 6.1694e-01],  
 [1.3316e+02, 3.0729e+00, 2.8201e+00],  
 [1.8712e+00, 9.1162e-04, 1.5936e-01],  
 [1.1715e-01, 4.8945e-06, 1.4621e-02],  
 [4.0891e+01, 5.5322e-01, 1.1890e+00],  
 [1.1731e-02, 3.7229e-08, 1.8255e-03],

[1.5248e+01, 6.6858e-03, 7.8087e-01],  
 [2.2959e+01, 1.7691e-01, 1.5774e+00],  
 [1.8207e-02, 3.4639e-07, 2.8557e-03],  
 [2.8266e+01, 6.6483e-02, 1.5776e+00],  
 [9.0082e+01, 8.0291e-01, 3.1819e+00],  
 [1.8521e+00, 1.4027e-03, 1.9318e-01],  
 [1.9808e+02, 4.1144e+00, 4.0090e+00],  
 [9.7259e+00, 1.1374e-02, 6.7275e-01],  
 [2.7006e+01, 6.2170e-02, 1.2413e+00],  
 [4.4709e+01, 3.9872e-01, 1.8607e+00],  
 [2.5943e+01, 1.3116e-01, 9.3314e-01],  
 [2.6520e+01, 2.1298e-01, 1.7990e+00],  
 [5.8258e-01, 1.2467e-04, 5.4706e-02],  
 [8.1589e+01, 6.5362e-02, 2.6766e+00],  
 [5.0008e+00, 7.2947e-03, 3.6824e-01],  
 [3.9986e+00, 1.5214e-03, 3.2002e-01],  
 [7.2278e+00, 2.5221e-03, 3.2668e-01],  
 [3.1610e+01, 9.1671e-02, 7.9405e-01],  
 [3.5036e+00, 1.6152e-04, 2.1108e-01],  
 [2.2658e+00, 4.1753e-03, 2.9553e-01],  
 [4.2903e+01, 8.1037e-02, 1.2995e+00],  
 [1.2682e+01, 6.9136e-03, 5.6213e-01],  
 [9.3719e+01, 1.4647e+00, 2.4545e+00],  
 [1.5177e-01, 1.0270e-05, 2.1200e-02],  
 [6.9251e-01, 1.2374e-04, 6.8848e-02],  
 [9.3205e+00, 3.5734e-03, 3.4663e-01],  
 [1.7719e+02, 6.3601e+00, 4.5775e+00],  
 [3.4392e+01, 5.8873e-02, 1.4480e+00],  
 [8.2553e+00, 1.0607e-02, 3.8926e-01],  
 [6.8397e+00, 4.3845e-04, 2.6432e-01],  
 [7.2585e+00, 2.4585e-02, 4.3102e-01],  
 [1.7042e+00, 1.0287e-04, 1.5908e-01],  
 [1.7441e+00, 6.1721e-03, 2.2339e-01],  
 [6.8181e+01, 4.2051e-01, 2.0920e+00],  
 [2.5551e+01, 2.1458e-01, 1.3280e+00],  
 [1.5149e+02, 1.5772e+00, 3.9374e+00],  
 [3.3270e+01, 1.2302e-01, 1.4305e+00],  
 [4.9571e+01, 4.2093e-01, 1.2256e+00],  
 [6.0966e-03, 6.2896e-08, 9.3443e-04],  
 [1.5069e-02, 6.4060e-08, 2.2514e-03],  
 [1.0135e+02, 7.0117e-01, 2.2570e+00],  
 [8.7419e-02, 2.9481e-06, 1.0498e-02],  
 [5.8940e-01, 1.1728e-04, 6.2161e-02],  
 [8.6867e+01, 1.6600e+00, 3.3264e+00],  
 [1.8954e+01, 9.9076e-02, 1.3265e+00],  
 [1.5509e+02, 2.5265e+00, 2.8779e+00],  
 [2.7492e+01, 1.3937e-01, 1.7999e+00],  
 [3.1695e+01, 5.6651e-02, 1.0677e+00],

[1.4885e+01, 1.9179e-02, 1.2660e+00],  
 [7.7406e-01, 1.1751e-04, 6.1449e-02],  
 [3.2186e+01, 4.5213e-02, 1.2776e+00],  
 [4.6143e-01, 8.0543e-05, 4.8688e-02],  
 [2.5464e+02, 8.9225e+00, 4.7913e+00],  
 [4.2850e+00, 1.8212e-03, 2.4905e-01],  
 [6.4952e+00, 1.4602e-02, 3.2360e-01],  
 [7.7144e-01, 4.5793e-04, 9.2069e-02],  
 [1.4306e-01, 1.1831e-05, 1.5092e-02],  
 [1.8488e+02, 6.2966e+00, 4.7066e+00],  
 [2.4771e+01, 1.0387e-01, 1.9411e+00],  
 [1.2674e+01, 1.2682e-02, 6.2822e-01],  
 [4.1529e+01, 2.2386e-01, 2.9384e+00],  
 [1.2971e+00, 9.0641e-04, 1.1055e-01],  
 [6.6069e+01, 8.0629e-02, 2.6126e+00],  
 [2.7184e+01, 1.1235e-02, 1.9322e+00],  
 [1.3698e+02, 2.2497e+00, 2.7655e+00],  
 [8.4579e+00, 8.2427e-03, 6.8604e-01],  
 [2.1759e+01, 9.5603e-02, 1.6051e+00],  
 [5.1060e+01, 9.9146e-02, 2.0252e+00],  
 [3.8008e+01, 9.2041e-02, 1.9151e+00],  
 [1.5705e+00, 2.5986e-04, 1.2517e-01],  
 [3.8678e+01, 1.8786e-01, 1.4699e+00],  
 [5.9425e+00, 4.8070e-04, 2.6804e-01],  
 [7.9768e+00, 7.7734e-03, 4.0446e-01],  
 [3.6816e+01, 1.1063e-01, 2.1432e+00],  
 [8.1922e+01, 2.8079e-01, 1.8362e+00],  
 [1.0091e+00, 2.6829e-04, 1.1546e-01],  
 [1.2009e+00, 3.0132e-04, 9.3267e-02],  
 [1.0011e+01, 7.7021e-03, 5.4916e-01],  
 [9.1526e-02, 6.3870e-07, 1.2640e-02],  
 [2.0286e-03, 5.0673e-10, 3.2192e-04],  
 [4.0745e+00, 1.1702e-03, 1.9864e-01],  
 [2.6434e-01, 7.9340e-06, 3.3790e-02],  
 [4.6457e+01, 6.3409e-02, 2.9640e+00],  
 [1.1452e+02, 1.7780e+00, 3.0344e+00],  
 [1.6598e+02, 2.9941e+00, 3.4946e+00],  
 [1.7201e+01, 4.0272e-02, 9.8940e-01],  
 [6.7697e-02, 8.0278e-07, 9.1323e-03],  
 [6.3709e+01, 1.9227e-01, 2.4868e+00],  
 [4.0132e+01, 5.2457e-02, 1.6987e+00],  
 [3.6887e+00, 1.7625e-03, 3.4481e-01],  
 [8.3838e+01, 1.0358e-01, 2.1101e+00],  
 [1.9201e+02, 4.7091e+00, 4.8703e+00],  
 [4.1273e+00, 8.2815e-03, 4.4660e-01],  
 [9.4147e-02, 1.2734e-05, 1.4082e-02],  
 [5.3492e+01, 5.4650e-01, 2.6649e+00],  
 [3.7789e+01, 1.4826e-01, 2.4300e+00],

[1.0108e+01, 2.6032e-02, 6.7869e-01],  
[1.7197e-01, 2.8367e-05, 2.2456e-02],  
[2.7983e+01, 1.1632e-01, 1.2711e+00],  
[3.9114e-01, 1.3258e-04, 4.2522e-02],  
[4.6991e+00, 5.3055e-03, 3.8133e-01],  
[3.8494e+01, 2.5223e-01, 1.5768e+00],  
[4.1640e+00, 1.0538e-02, 3.1589e-01],  
[2.6824e-01, 2.6447e-05, 2.8398e-02],  
[1.5005e+01, 3.0362e-02, 9.3780e-01],  
[1.6390e+01, 9.6985e-03, 1.2081e+00],  
[9.2153e+01, 1.0449e+00, 2.5791e+00],  
[1.9712e+02, 8.4851e+00, 3.8342e+00],  
[5.2157e+00, 2.0643e-04, 2.7812e-01],  
[4.6953e+00, 2.9201e-03, 2.4948e-01],  
[4.7308e-02, 2.7171e-07, 6.4647e-03],  
[2.0653e+02, 3.4010e+00, 4.0331e+00],  
[1.4324e+01, 3.2039e-02, 5.8482e-01],  
[8.2311e+01, 9.6385e-01, 2.0244e+00],  
[1.0561e+02, 4.3152e+00, 3.8126e+00],  
[4.3230e+01, 3.6450e-02, 9.5884e-01],  
[3.0743e+01, 3.4422e-01, 9.8080e-01],  
[1.3030e+02, 5.9218e-01, 2.6697e+00],  
[1.4619e+02, 2.0450e+00, 3.6979e+00],  
[2.5164e+00, 2.5633e-03, 1.9584e-01],  
[3.9585e+01, 1.7491e-01, 1.5572e+00],  
[1.9004e+00, 1.3975e-03, 1.3003e-01],  
[9.2153e-01, 1.8335e-04, 6.6891e-02],  
[3.6571e-02, 6.9177e-07, 4.8934e-03],  
[1.9852e+00, 1.2484e-03, 1.4638e-01],  
[1.4101e-01, 2.1139e-05, 1.7562e-02],  
[1.3161e+01, 1.7157e-02, 5.1426e-01],  
[2.4281e+01, 5.4106e-02, 1.3990e+00],  
[2.5235e-01, 5.0122e-05, 2.5538e-02],  
[8.7685e+01, 4.9899e-01, 2.8880e+00],  
[6.3695e+00, 1.9320e-02, 3.7967e-01],  
[1.1325e+02, 6.5725e-01, 3.1261e+00],  
[1.1634e-01, 2.0469e-06, 1.4349e-02],  
[8.8424e+01, 1.1729e+00, 2.9096e+00],  
[9.1257e-01, 3.9233e-04, 7.8987e-02],  
[7.9007e+00, 1.1202e-02, 4.8294e-01],  
[1.8552e-01, 1.4022e-05, 2.3435e-02],  
[3.7817e+00, 5.0320e-03, 3.0080e-01],  
[1.0315e+02, 5.5964e-01, 3.1292e+00],  
[1.0438e-01, 1.2137e-05, 1.2946e-02],  
[4.7129e+01, 1.3961e-01, 1.6333e+00],  
[1.1080e-01, 5.4760e-06, 1.6771e-02],  
[2.2225e+00, 1.3151e-03, 1.3533e-01],  
[5.4817e-01, 5.9232e-05, 5.9622e-02],

```

[5.9452e-03, 3.3218e-09, 9.3055e-04],
[3.6619e+01, 1.3016e-01, 1.6933e+00],
[2.6968e+01, 9.9486e-02, 1.3751e+00],
[1.2700e+02, 4.3943e+00, 3.4685e+00],
[4.2487e+00, 3.8357e-03, 4.7052e-01],
[1.6017e+02, 6.6611e+00, 4.1796e+00],
[1.2849e-02, 1.3315e-07, 1.9804e-03],
[5.0280e+01, 6.8490e-01, 2.3532e+00],
[3.6983e+01, 4.4280e-01, 1.1485e+00],
[9.8360e-02, 5.4908e-06, 1.2157e-02],
[8.3773e-02, 2.2428e-06, 1.0586e-02],
[1.3725e-01, 2.0588e-05, 1.6746e-02],
[1.5409e+01, 4.0115e-02, 1.1667e+00],
[1.0544e+02, 7.7054e-01, 2.9484e+00],
[1.1859e+00, 6.3084e-04, 1.2473e-01],
[2.3369e+01, 1.4625e-01, 1.0567e+00],
[3.0137e+01, 2.1651e-01, 1.9090e+00],
[6.1688e+01, 5.7055e-01, 2.6490e+00],
[3.6528e+00, 6.3998e-04, 2.3465e-01],
[3.1399e+00, 9.0002e-04, 2.0177e-01]], dtype=torch.float64)
Iteration: 97
Inputs: tensor([[2.9440e+20, 2.2444e+02, 1.9504e+01, 3.7260e+00],
[3.1294e+19, 2.4748e+02, 1.5541e+01, 1.6630e+00],
[3.8956e+18, 1.4202e+02, 9.8203e+00, 5.2864e+00],
...,
[2.2582e+18, 4.9833e+02, 1.6565e+01, 3.9910e+00],
[5.2295e+20, 4.6329e+02, 1.8429e+01, 5.8746e+00],
[4.0245e+18, 4.8229e+02, 1.9781e+01, 9.3843e+00]], dtype=torch.float64)
Target: tensor([[3.0007e+01, 1.6581e-01, 1.8313e+00],
[1.7437e+00, 3.9786e-04, 1.8949e-01],
[2.1128e-01, 1.5057e-05, 2.6039e-02],
[6.6781e+00, 6.2105e-03, 3.6132e-01],
[4.0819e+00, 3.4241e-03, 3.1752e-01],
[3.8515e+00, 2.8258e-03, 3.5885e-01],
[1.5931e-01, 1.7884e-05, 2.0944e-02],
[3.6715e+00, 1.0031e-03, 2.6724e-01],
[1.9933e-01, 1.4999e-05, 2.6346e-02],
[2.9007e-01, 6.6599e-05, 3.2870e-02],
[2.7682e+01, 9.8679e-02, 1.0615e+00],
[4.1138e-01, 4.5713e-05, 4.3234e-02],
[8.3285e-01, 1.0106e-04, 1.0435e-01],
[4.5296e-02, 1.1434e-07, 6.2857e-03],
[1.0044e+02, 2.1099e+00, 2.5571e+00],
[1.4810e+02, 3.1369e+00, 3.3292e+00],
[6.2221e+00, 1.5395e-03, 4.8608e-01],
[7.9988e-01, 9.7485e-05, 8.3322e-02],
[8.9070e-02, 1.0858e-06, 1.1466e-02],
[4.3895e+01, 1.2112e-01, 1.8874e+00],

```

[4.3535e+01, 2.0004e-01, 1.2265e+00],  
 [5.3719e-03, 3.4132e-09, 8.2843e-04],  
 [7.1198e+00, 5.3236e-03, 3.9894e-01],  
 [1.9098e+01, 1.1277e-01, 1.1140e+00],  
 [3.1977e+01, 8.0463e-02, 2.0868e+00],  
 [6.4877e+00, 4.1481e-03, 2.6252e-01],  
 [1.4762e+01, 1.3219e-02, 7.9474e-01],  
 [1.1890e+00, 5.4758e-04, 9.3869e-02],  
 [2.1882e+00, 1.2355e-03, 1.7500e-01],  
 [2.5743e-01, 2.2602e-05, 3.8257e-02],  
 [6.8075e+01, 1.5652e-01, 1.3099e+00],  
 [1.4121e+01, 3.3879e-02, 7.1003e-01],  
 [5.9269e+01, 9.5500e-02, 1.1644e+00],  
 [5.3274e+00, 9.6051e-03, 3.0168e-01],  
 [6.2027e+01, 2.0151e-01, 2.4110e+00],  
 [4.8496e-02, 8.6580e-07, 6.3146e-03],  
 [7.3843e-01, 7.7457e-06, 5.3605e-02],  
 [1.2843e+00, 6.0691e-04, 1.6172e-01],  
 [4.6810e+01, 6.0301e-01, 2.6610e+00],  
 [3.5153e+01, 4.4720e-01, 1.3511e+00],  
 [1.8729e+00, 9.1425e-04, 2.0914e-01],  
 [1.2823e+00, 5.0553e-04, 9.2260e-02],  
 [9.0483e+01, 1.0998e+00, 2.5551e+00],  
 [1.1255e+02, 4.2083e-01, 3.4235e+00],  
 [6.5652e-01, 6.7058e-05, 7.3875e-02],  
 [6.8575e+00, 3.5294e-03, 5.2596e-01],  
 [8.2329e+01, 2.0357e+00, 2.6286e+00],  
 [3.2246e-01, 5.3465e-05, 3.2044e-02],  
 [1.3555e+01, 3.5825e-03, 5.6911e-01],  
 [1.5502e-01, 3.6962e-06, 2.0444e-02],  
 [1.2420e+01, 6.8952e-03, 8.9081e-01],  
 [1.1946e-01, 1.2731e-05, 1.5653e-02],  
 [2.2456e+01, 1.0391e-01, 1.4908e+00],  
 [1.6302e+01, 1.6147e-02, 7.1174e-01],  
 [2.1904e+00, 5.7453e-04, 2.0228e-01],  
 [2.5933e+01, 2.2814e-01, 1.2678e+00],  
 [2.3550e+00, 2.6110e-04, 2.1982e-01],  
 [8.2919e+00, 3.0079e-03, 5.6097e-01],  
 [6.7701e+00, 2.4484e-02, 4.5335e-01],  
 [2.3256e+01, 8.8024e-02, 1.8266e+00],  
 [5.0698e+01, 6.8897e-01, 1.5994e+00],  
 [2.2176e+00, 4.7107e-03, 3.0485e-01],  
 [5.5198e+01, 3.4319e-01, 1.8548e+00],  
 [5.6329e-01, 1.0277e-04, 6.1636e-02],  
 [9.7564e+01, 7.6069e-01, 3.0553e+00],  
 [2.5164e+01, 1.6397e-01, 1.6579e+00],  
 [8.3221e+00, 3.6148e-03, 7.2776e-01],  
 [2.2395e+01, 1.1214e-01, 7.9976e-01],



[1.2117e+00, 2.8653e-04, 1.0097e-01],  
 [5.0550e+01, 3.4865e-01, 2.0646e+00],  
 [3.8699e+01, 3.4194e-02, 1.0598e+00],  
 [8.5785e+01, 1.5675e+00, 2.1999e+00],  
 [2.1431e-03, 7.1245e-09, 3.3989e-04],  
 [3.4421e+00, 7.1399e-03, 3.3930e-01],  
 [1.0165e+01, 2.0051e-02, 5.1194e-01],  
 [2.6430e-01, 4.7891e-06, 2.9951e-02],  
 [4.7581e+01, 6.0366e-02, 2.2456e+00],  
 [1.1078e+02, 4.1415e-01, 3.5956e+00],  
 [3.8472e+00, 2.9924e-03, 2.5662e-01],  
 [3.0074e+01, 2.4457e-01, 1.4010e+00],  
 [3.9681e-01, 8.0087e-05, 4.9702e-02],  
 [2.5245e+00, 1.3702e-03, 1.5166e-01],  
 [5.0196e-01, 4.0040e-05, 5.0042e-02],  
 [2.1528e+01, 2.6411e-02, 6.6570e-01],  
 [3.2582e+01, 2.1565e-01, 8.5291e-01],  
 [6.2911e+00, 1.4684e-03, 4.9544e-01],  
 [1.5587e+00, 2.8264e-04, 1.4731e-01],  
 [6.7529e+00, 6.5605e-03, 2.7571e-01],  
 [1.4985e-01, 9.3810e-06, 1.6335e-02],  
 [4.4517e-01, 1.0387e-04, 4.0426e-02],  
 [5.5708e+01, 8.6984e-02, 1.1060e+00],  
 [5.1030e-03, 4.1597e-08, 8.0679e-04],  
 [9.1237e+00, 2.8455e-03, 8.6142e-01],  
 [7.1130e+01, 5.1795e-01, 2.6135e+00],  
 [2.8067e-02, 6.7652e-07, 4.1949e-03],  
 [9.6821e+01, 9.3057e-01, 2.4028e+00],  
 [1.4865e+01, 7.2263e-02, 6.7327e-01],  
 [1.5791e+01, 1.7971e-02, 4.8671e-01],  
 [4.2944e+01, 4.5297e-01, 1.3668e+00],  
 [3.4357e+00, 1.4399e-03, 1.6158e-01],  
 [9.6183e-01, 3.8664e-04, 8.8469e-02],  
 [1.1867e+01, 3.1010e-02, 5.1693e-01],  
 [4.2954e+00, 1.0033e-02, 3.8094e-01],  
 [6.7034e+00, 7.6292e-03, 6.3692e-01],  
 [2.0208e+01, 6.4130e-02, 9.1060e-01],  
 [3.1303e+01, 1.6546e-01, 1.3165e+00],  
 [4.7853e+01, 1.0894e-01, 1.0932e+00],  
 [4.7841e-01, 4.2676e-04, 6.4408e-02],  
 [4.5710e+01, 9.6263e-02, 1.7035e+00],  
 [6.9834e+00, 7.7759e-03, 3.6659e-01],  
 [1.5389e+00, 2.0889e-04, 1.4218e-01],  
 [1.9519e+02, 3.9117e+00, 3.9998e+00],  
 [1.2424e+02, 1.5555e+00, 3.3801e+00],  
 [5.2347e+00, 7.8214e-04, 2.5583e-01],  
 [3.0414e+01, 1.8743e-01, 1.2053e+00],  
 [6.5063e-01, 8.4070e-05, 4.8080e-02],

[1.4073e-02, 4.1340e-08, 2.1677e-03],  
[2.0827e-01, 2.3643e-06, 2.3300e-02],  
[7.6353e-01, 9.8104e-05, 5.5137e-02],  
[2.4818e+01, 3.4946e-03, 9.3301e-01],  
[1.6653e+00, 7.5840e-04, 1.1141e-01],  
[1.7568e+01, 3.6422e-02, 5.6671e-01],  
[2.9792e+00, 3.2655e-04, 1.8626e-01],  
[2.2812e-01, 7.5940e-06, 3.1289e-02],  
[1.2359e+00, 2.8316e-04, 9.9201e-02],  
[4.4819e+01, 2.7375e-01, 1.2880e+00],  
[6.2917e+01, 6.3422e-01, 1.5827e+00],  
[1.3348e+00, 8.8681e-04, 1.2053e-01],  
[1.8512e+02, 6.0131e-01, 3.7494e+00],  
[3.5297e+01, 2.4429e-01, 1.2129e+00],  
[6.4113e+01, 6.7732e-01, 2.1440e+00],  
[1.7055e-01, 5.7040e-06, 1.7331e-02],  
[1.4734e+01, 2.2766e-02, 1.1754e+00],  
[1.3650e+01, 9.2740e-03, 4.1857e-01],  
[1.0850e+02, 1.7066e+00, 2.1407e+00],  
[5.7072e-02, 3.4387e-06, 7.4971e-03],  
[3.6483e-03, 1.3856e-09, 5.8205e-04],  
[4.1190e-03, 1.3166e-08, 6.4340e-04],  
[3.1092e+00, 8.8959e-04, 2.3250e-01],  
[4.5524e-01, 1.5671e-04, 5.1187e-02],  
[6.5080e-02, 7.7519e-07, 8.0562e-03],  
[1.0517e+00, 4.5723e-04, 9.1650e-02],  
[3.3270e+00, 1.6765e-03, 1.6064e-01],  
[3.6992e+01, 5.1595e-01, 2.1032e+00],  
[2.5412e-02, 3.0586e-08, 3.6293e-03],  
[6.2946e-02, 1.7411e-06, 9.8811e-03],  
[3.9434e-03, 2.2991e-08, 6.1890e-04],  
[1.1254e+02, 6.3454e-01, 3.5357e+00],  
[3.7071e+01, 2.3066e-01, 9.1811e-01],  
[2.3271e+00, 4.6037e-04, 1.4672e-01],  
[6.0557e+01, 1.6802e-01, 1.4117e+00],  
[1.0220e-01, 6.3173e-06, 1.4748e-02],  
[1.7646e+01, 5.5085e-03, 6.3168e-01],  
[9.6218e-02, 3.1844e-06, 1.2967e-02],  
[2.5618e+01, 4.2412e-02, 7.7947e-01],  
[3.2127e+01, 4.8246e-02, 1.3358e+00],  
[2.7892e+01, 2.1171e-01, 1.5081e+00],  
[2.9546e+02, 1.6453e+00, 4.0915e+00],  
[2.2275e-01, 6.8791e-06, 2.6153e-02],  
[1.8893e+01, 6.8735e-02, 9.8078e-01],  
[9.0894e+01, 5.8217e-01, 1.6242e+00],  
[1.7952e+00, 2.2254e-04, 1.5080e-01],  
[6.6861e-01, 3.1409e-05, 4.7619e-02],  
[2.3854e+00, 4.9278e-04, 1.2344e-01],

[8.3968e+00, 3.2942e-03, 3.7003e-01],  
 [2.9471e+01, 1.3472e-01, 8.3755e-01],  
 [2.0872e+02, 8.1742e+00, 4.2245e+00],  
 [1.1419e+01, 6.6808e-02, 6.6980e-01],  
 [4.6944e+00, 5.7128e-03, 2.7618e-01],  
 [1.8740e+01, 3.4968e-02, 6.6214e-01],  
 [2.0746e-01, 2.3174e-05, 2.4531e-02],  
 [1.3043e-01, 1.9381e-05, 1.8613e-02],  
 [2.1869e+01, 7.1953e-02, 9.5292e-01],  
 [1.7544e+02, 2.7355e+00, 3.4122e+00],  
 [9.1008e+01, 2.0519e+00, 2.7576e+00],  
 [1.5054e+01, 2.2407e-02, 1.2870e+00],  
 [5.4938e+00, 1.1830e-04, 2.1131e-01],  
 [1.1918e+00, 2.2073e-04, 1.0479e-01],  
 [5.2270e+01, 3.1187e-01, 2.9461e+00],  
 [2.5072e+00, 1.5224e-03, 1.4854e-01],  
 [1.3090e-01, 1.3044e-06, 1.4565e-02],  
 [3.2877e+00, 2.7344e-03, 1.8010e-01],  
 [1.8491e-02, 5.6799e-07, 2.8662e-03],  
 [8.9863e+00, 6.6472e-03, 4.4452e-01],  
 [4.6312e-01, 1.0930e-06, 3.2932e-02],  
 [9.2017e-01, 3.0998e-04, 8.7629e-02],  
 [1.1538e+02, 3.2905e+00, 2.7504e+00],  
 [2.1908e+01, 1.1890e-02, 5.4378e-01],  
 [4.4627e-01, 1.3457e-05, 3.4180e-02],  
 [2.0282e+01, 1.1331e-01, 1.0270e+00],  
 [3.8897e-02, 3.0825e-07, 5.2883e-03],  
 [9.1648e-01, 4.6853e-05, 8.3106e-02],  
 [3.9847e-01, 3.1873e-05, 3.8761e-02],  
 [1.7889e+00, 4.4453e-04, 1.6636e-01],  
 [1.0961e+02, 5.5447e-01, 2.8657e+00],  
 [7.4842e+01, 1.9700e-01, 3.2240e+00],  
 [1.7272e+00, 9.4800e-04, 1.5288e-01],  
 [2.5606e-01, 8.2032e-05, 3.6710e-02],  
 [1.2184e+00, 1.1142e-04, 1.2484e-01],  
 [1.3162e+02, 5.1979e+00, 3.3747e+00],  
 [5.6074e+00, 5.6335e-03, 2.6956e-01],  
 [1.5676e+01, 2.1381e-02, 7.5104e-01],  
 [1.9507e+02, 1.8254e-01, 4.8735e+00],  
 [4.1132e+00, 1.6957e-03, 3.6060e-01],  
 [1.8720e+00, 3.5630e-03, 2.0998e-01],  
 [1.9649e+02, 2.1257e+00, 4.2212e+00],  
 [5.7094e-02, 4.4905e-07, 8.4400e-03],  
 [1.4010e+02, 4.5508e+00, 3.1283e+00],  
 [1.4342e-01, 3.7480e-06, 1.5404e-02],  
 [1.2452e+00, 4.7097e-04, 8.3380e-02],  
 [7.8420e+01, 3.3826e-01, 2.5338e+00],  
 [1.6603e+00, 1.0051e-03, 1.1558e-01],

[2.0172e+01, 2.0477e-02, 5.6448e-01],  
[2.5288e-01, 4.4092e-05, 2.8966e-02],  
[2.6074e+01, 1.5803e-01, 9.8560e-01],  
[2.9483e+00, 4.1842e-04, 3.2611e-01],  
[1.2998e-01, 2.2036e-06, 1.6512e-02],  
[2.0539e-01, 1.5139e-05, 1.9626e-02],  
[4.5419e+01, 1.2480e-01, 2.6606e+00],  
[3.5929e-01, 1.1864e-05, 2.9353e-02],  
[4.9066e+00, 3.0667e-03, 3.0658e-01],  
[2.6687e-01, 8.9451e-06, 3.2624e-02],  
[5.8302e+01, 3.4118e-01, 1.6647e+00],  
[3.6874e+01, 3.2193e-01, 1.0559e+00],  
[1.0985e+01, 6.5590e-02, 9.4418e-01],  
[1.5327e+01, 1.9603e-02, 9.1888e-01],  
[6.0666e-01, 1.4342e-04, 5.9430e-02],  
[5.1476e-01, 1.4170e-04, 5.7017e-02],  
[2.0343e+01, 3.2703e-02, 8.4056e-01],  
[3.5325e+01, 8.7301e-02, 2.1796e+00],  
[2.1251e+01, 4.2420e-02, 1.1290e+00],  
[1.4727e+02, 2.0319e+00, 4.7279e+00],  
[3.2014e-02, 5.2849e-07, 4.9741e-03],  
[5.2887e-03, 5.8517e-09, 8.4650e-04],  
[6.2177e+01, 4.7732e-01, 2.1682e+00],  
[3.4570e-01, 7.7039e-05, 3.2782e-02],  
[9.8836e-01, 1.4610e-04, 6.8918e-02],  
[1.2882e+00, 5.0671e-04, 1.0488e-01],  
[6.5047e+01, 4.6000e-01, 2.7838e+00],  
[8.5314e-03, 1.3767e-08, 1.3026e-03],  
[1.5537e+02, 1.6328e+00, 3.2438e+00],  
[1.0079e+00, 4.2841e-04, 1.1046e-01],  
[1.5007e+02, 2.3848e+00, 2.4710e+00],  
[2.8013e-02, 2.1110e-07, 4.1158e-03],  
[9.6788e-01, 2.3132e-05, 9.1929e-02],  
[8.5181e-02, 3.7530e-06, 1.0801e-02],  
[7.4926e+00, 1.4587e-02, 6.5305e-01],  
[1.1572e+01, 1.1797e-02, 9.8134e-01],  
[3.7325e-01, 2.9884e-05, 4.6248e-02],  
[3.2577e+00, 2.0731e-03, 2.1888e-01],  
[9.1161e-02, 9.2040e-07, 1.3189e-02],  
[2.5211e-01, 2.1544e-05, 2.9169e-02],  
[6.7912e+00, 2.5415e-03, 2.7495e-01],  
[6.8128e-01, 1.5564e-04, 5.4092e-02],  
[7.5950e-01, 1.0085e-04, 7.0052e-02],  
[4.1135e-02, 1.3053e-07, 5.7841e-03],  
[3.8798e+01, 8.8273e-02, 8.8948e-01],  
[1.0068e+02, 2.9591e-01, 2.6339e+00],  
[3.5569e+00, 6.3212e-04, 2.9842e-01],  
[1.3336e+00, 7.1512e-04, 1.3342e-01],

[8.8584e+00, 1.4567e-02, 3.6251e-01],  
[8.9622e-01, 3.2348e-04, 1.2717e-01],  
[3.4898e+01, 1.8455e-01, 9.6949e-01],  
[1.7042e-02, 2.5611e-07, 2.4760e-03],  
[3.3027e-01, 3.9836e-05, 2.8388e-02],  
[2.5472e+00, 1.9455e-03, 2.0331e-01],  
[3.1266e+00, 3.5930e-04, 1.5575e-01],  
[5.2892e+01, 9.5111e-02, 1.7440e+00],  
[3.8213e+01, 1.5498e-02, 1.1788e+00],  
[4.4255e+00, 1.0395e-03, 2.3310e-01],  
[1.5755e+02, 4.7367e+00, 4.0328e+00],  
[7.1668e+00, 1.8803e-02, 4.8236e-01],  
[6.9558e+00, 5.4779e-03, 3.0739e-01],  
[1.5536e+00, 2.1247e-04, 1.1697e-01],  
[6.4595e+00, 1.2881e-02, 4.2578e-01],  
[9.3392e+01, 1.1696e+00, 2.9157e+00],  
[2.4465e+00, 2.2422e-03, 2.3230e-01],  
[2.0161e-01, 9.0427e-06, 2.5275e-02],  
[1.8954e+01, 8.6375e-02, 6.8052e-01],  
[1.2516e+00, 1.4178e-04, 1.0286e-01],  
[6.3399e+00, 7.9297e-03, 4.0234e-01],  
[5.1102e+00, 3.4324e-03, 3.2442e-01],  
[6.3085e-01, 1.2395e-04, 5.6262e-02],  
[4.0949e+01, 4.1011e-01, 1.6396e+00],  
[1.7432e+01, 1.5080e-01, 9.6443e-01],  
[5.1064e-02, 1.5463e-06, 6.9328e-03],  
[3.6994e+01, 3.6715e-02, 1.5897e+00],  
[1.2782e+01, 8.2709e-03, 9.1893e-01],  
[2.0419e+01, 3.4414e-02, 1.1138e+00],  
[3.4473e-01, 8.7938e-05, 4.7755e-02],  
[5.5349e+01, 1.4622e-01, 1.8983e+00],  
[2.4653e-02, 2.7073e-07, 3.5042e-03],  
[4.3560e+01, 7.4340e-01, 1.7618e+00],  
[8.7870e-01, 1.5501e-04, 7.0881e-02],  
[2.2448e+01, 3.2486e-02, 9.1317e-01],  
[2.2434e+01, 6.2607e-03, 1.3924e+00],  
[5.2525e+00, 9.0736e-03, 3.2460e-01],  
[1.6660e+02, 2.9982e+00, 4.3136e+00],  
[1.2875e+00, 2.7887e-03, 1.6315e-01],  
[2.2647e-01, 3.1601e-05, 2.1084e-02],  
[6.8150e+01, 5.7073e-01, 1.3008e+00],  
[5.1757e-01, 1.9456e-05, 5.8586e-02],  
[6.6945e-01, 1.3690e-04, 5.8817e-02],  
[4.6116e-02, 2.0773e-07, 6.7875e-03],  
[4.3022e+00, 1.4898e-03, 2.4962e-01],  
[5.9949e-02, 1.5782e-06, 8.5113e-03],  
[6.0247e+00, 4.6373e-04, 2.5355e-01],  
[1.4198e+00, 1.2603e-04, 9.7402e-02],

```

[1.0315e+01, 1.2887e-02, 6.0388e-01],
[1.3345e+01, 3.9648e-02, 6.2026e-01],
[4.3560e+01, 5.3727e-01, 1.4760e+00],
[1.7962e+01, 1.2037e-01, 7.7070e-01],
[5.0828e+01, 3.0351e-01, 1.8043e+00],
[2.1251e+00, 4.2946e-04, 1.5723e-01],
[1.6141e+02, 2.6176e+00, 4.0033e+00],
[1.7451e+02, 4.8284e+00, 3.6589e+00],
[1.5239e+00, 6.8277e-04, 1.0543e-01],
[2.8424e-01, 2.0174e-05, 3.0120e-02],
[1.2419e+02, 2.5481e+00, 3.4811e+00],
[1.3394e+00, 8.9016e-04, 9.8358e-02]], dtype=torch.float64)
Iteration: 98
Inputs: tensor([[7.3315e+18, 3.1726e+02, 1.7421e+01, 5.5321e+00],
[1.0574e+20, 2.1997e+02, 1.2352e+01, 7.8239e+00],
[3.3838e+18, 2.3441e+02, 1.8433e+01, 3.0422e+00],
...,
[1.1455e+19, 2.3275e+02, 7.5856e+00, 8.6663e+00],
[4.1368e+18, 1.1784e+02, 1.1780e+01, 7.4637e+00],
[1.0401e+19, 3.1692e+02, 1.4867e+01, 5.4081e+00]], dtype=torch.float64)
Target: tensor([[1.1982e+00, 4.7836e-04, 1.0983e-01],
[3.1383e+01, 2.4925e-01, 1.3003e+00],
[8.0526e-02, 2.2298e-06, 1.1080e-02],
[8.6317e+00, 5.5413e-03, 3.2675e-01],
[9.0645e-03, 8.2418e-08, 1.3651e-03],
[1.5696e+00, 1.6706e-05, 1.3731e-01],
[3.3802e+01, 3.0402e-01, 1.0597e+00],
[1.0016e-01, 1.1524e-06, 1.4150e-02],
[4.1065e+00, 6.8249e-03, 2.6338e-01],
[1.8092e+01, 1.0176e-01, 8.2953e-01],
[5.7796e-01, 1.2437e-04, 5.2926e-02],
[3.9345e+01, 6.7012e-02, 1.9664e+00],
[8.6805e+00, 5.4883e-03, 7.9188e-01],
[1.1877e-01, 8.7880e-06, 1.4760e-02],
[1.0334e+02, 8.5882e-01, 2.0131e+00],
[2.9503e-01, 2.2156e-05, 4.3704e-02],
[9.0582e-02, 5.2792e-06, 1.3413e-02],
[4.7280e+01, 1.6778e-01, 1.2161e+00],
[1.3018e+02, 2.3832e+00, 3.8764e+00],
[4.0613e+01, 2.8571e-01, 1.7417e+00],
[1.2842e+00, 4.2971e-04, 1.0775e-01],
[1.9132e+01, 7.8460e-02, 1.2795e+00],
[4.6536e-01, 6.1006e-05, 5.2049e-02],
[5.4511e-01, 5.4786e-05, 4.8142e-02],
[8.2488e-02, 4.6076e-06, 1.0221e-02],
[8.6343e+01, 1.9465e+00, 3.8362e+00],
[6.1275e+01, 5.1686e-01, 2.1183e+00],
[6.5082e-01, 4.5368e-04, 8.2328e-02],

```

[1.7601e-01, 9.9959e-06, 1.9975e-02],  
 [2.7325e-01, 3.0799e-06, 3.1830e-02],  
 [1.0693e+02, 7.0998e-01, 2.4095e+00],  
 [1.2232e+00, 4.9673e-04, 1.1452e-01],  
 [3.4440e-01, 2.5172e-05, 3.1795e-02],  
 [2.8069e-01, 6.6195e-05, 3.4183e-02],  
 [4.3154e+01, 1.1487e-01, 2.2452e+00],  
 [1.2542e+01, 1.6373e-02, 4.5370e-01],  
 [1.2072e+01, 2.3082e-02, 1.1202e+00],  
 [2.8986e+01, 1.5999e-01, 7.7252e-01],  
 [1.4020e+00, 4.8927e-04, 1.0528e-01],  
 [7.9973e+01, 8.4627e-01, 1.7862e+00],  
 [3.6206e+01, 2.5767e-01, 1.3391e+00],  
 [3.5675e+01, 2.2879e-01, 1.7622e+00],  
 [2.9201e-01, 2.8769e-05, 3.5819e-02],  
 [1.1876e+01, 1.7655e-02, 5.6081e-01],  
 [2.1719e+01, 9.5367e-02, 1.0022e+00],  
 [2.6679e+00, 2.4865e-03, 2.0687e-01],  
 [6.4865e+00, 3.9986e-03, 4.5872e-01],  
 [3.3725e+00, 4.1330e-03, 3.5985e-01],  
 [2.8151e+01, 6.7212e-02, 1.3911e+00],  
 [2.4242e+01, 5.3046e-02, 1.5526e+00],  
 [5.0904e-02, 2.0740e-06, 7.0982e-03],  
 [2.2512e+01, 4.2799e-02, 6.2068e-01],  
 [3.8567e+00, 1.2894e-03, 2.2038e-01],  
 [2.3596e+01, 7.7036e-02, 1.1675e+00],  
 [1.3411e+00, 1.0311e-03, 1.4192e-01],  
 [3.5487e+01, 1.9637e-01, 1.2454e+00],  
 [1.8159e-02, 1.2582e-07, 2.7711e-03],  
 [6.0062e+01, 2.8539e-01, 2.4450e+00],  
 [1.9194e-01, 1.2448e-05, 2.0055e-02],  
 [7.9268e+01, 4.4513e-01, 3.6818e+00],  
 [1.5337e-01, 2.1437e-05, 2.1018e-02],  
 [1.0531e+00, 9.5622e-05, 8.4187e-02],  
 [4.2479e+01, 4.5324e-01, 1.6146e+00],  
 [6.9195e+00, 2.1963e-02, 6.2223e-01],  
 [3.8960e+00, 8.2885e-04, 3.2806e-01],  
 [7.5504e+00, 7.4570e-03, 4.0616e-01],  
 [5.4843e+01, 2.3746e-01, 1.4420e+00],  
 [2.7089e-01, 4.9015e-05, 3.5127e-02],  
 [8.5876e-03, 2.7497e-08, 1.3607e-03],  
 [8.4929e+00, 6.8749e-03, 2.9220e-01],  
 [1.6404e-01, 1.0374e-05, 2.3671e-02],  
 [8.5380e+01, 2.5434e+00, 3.9829e+00],  
 [1.0965e+00, 1.9600e-04, 1.2220e-01],  
 [2.4900e+01, 1.2111e-02, 1.2343e+00],  
 [1.1712e-01, 2.0985e-06, 1.4463e-02],  
 [2.7047e-01, 2.2566e-06, 3.1774e-02],

[2.5916e+01, 1.1734e-01, 8.5096e-01],  
 [2.4314e+01, 2.0756e-01, 8.2647e-01],  
 [3.2188e+02, 1.5526e+01, 5.1189e+00],  
 [9.2420e-01, 1.1378e-04, 5.6754e-02],  
 [1.2086e-01, 5.5855e-06, 1.5058e-02],  
 [1.1147e+02, 2.8220e+00, 2.7747e+00],  
 [1.4739e+02, 5.0857e+00, 3.8338e+00],  
 [4.1831e+00, 8.9050e-03, 4.6177e-01],  
 [3.0987e-01, 5.7426e-05, 3.2399e-02],  
 [1.1212e+00, 1.8224e-04, 1.0560e-01],  
 [1.9049e+02, 5.4755e-01, 3.2528e+00],  
 [9.4598e+00, 5.6320e-03, 3.2933e-01],  
 [1.3756e+02, 1.9653e+00, 4.4657e+00],  
 [1.1410e+02, 2.9822e+00, 3.1540e+00],  
 [5.1846e+00, 9.4345e-04, 3.8353e-01],  
 [1.0602e+02, 2.6327e+00, 2.7295e+00],  
 [2.7663e-01, 2.3161e-05, 3.2409e-02],  
 [7.3794e-01, 9.0106e-05, 8.3020e-02],  
 [6.0615e+00, 9.4846e-03, 3.8173e-01],  
 [3.5074e+01, 2.9543e-02, 1.4836e+00],  
 [9.9810e-03, 6.3337e-08, 1.5683e-03],  
 [2.0100e-01, 5.1484e-06, 1.9482e-02],  
 [2.6193e+00, 2.6534e-03, 3.2029e-01],  
 [5.1493e+01, 2.9853e-01, 1.4738e+00],  
 [2.2071e+01, 1.6709e-01, 1.0077e+00],  
 [1.0607e+01, 8.8249e-03, 5.2547e-01],  
 [4.4282e+00, 2.7340e-03, 2.1325e-01],  
 [2.6682e-02, 1.7686e-07, 4.0926e-03],  
 [4.8407e+01, 1.4484e-01, 1.7564e+00],  
 [7.0524e+00, 1.1126e-02, 6.3927e-01],  
 [8.1589e-02, 1.2409e-06, 1.1394e-02],  
 [2.3524e+02, 8.5717e+00, 4.9497e+00],  
 [4.5798e+01, 4.4528e-01, 1.8335e+00],  
 [1.1487e-01, 7.4444e-06, 1.3698e-02],  
 [3.0037e+01, 1.0560e-01, 2.0975e+00],  
 [5.9449e-01, 1.3933e-04, 6.6744e-02],  
 [1.3690e+01, 6.6349e-02, 9.4501e-01],  
 [7.1201e+01, 1.4120e+00, 2.0858e+00],  
 [1.7456e+00, 2.4688e-03, 1.9096e-01],  
 [1.6930e+00, 4.3949e-04, 1.3303e-01],  
 [1.7838e+01, 1.3044e-02, 6.2481e-01],  
 [2.9166e+01, 1.5337e-01, 2.1798e+00],  
 [2.1138e-03, 4.3195e-09, 3.3665e-04],  
 [1.0226e+01, 3.4606e-02, 4.4713e-01],  
 [9.4820e+00, 2.6860e-02, 4.4355e-01],  
 [2.7188e+01, 6.3834e-02, 1.1606e+00],  
 [2.1134e+02, 3.2829e+00, 3.9260e+00],  
 [7.4427e+00, 1.2217e-02, 5.3227e-01],



[9.7901e+00, 3.4542e-02, 4.6525e-01],  
[2.1133e+00, 4.1595e-03, 2.3568e-01],  
[1.2937e-02, 2.3997e-08, 1.9910e-03],  
[6.5034e-01, 9.4853e-05, 5.3740e-02],  
[2.9585e-02, 4.5136e-08, 4.2030e-03],  
[1.0453e+01, 9.8865e-03, 5.3544e-01],  
[5.2737e+01, 8.3418e-01, 1.8378e+00],  
[4.0745e+01, 1.1484e-01, 1.7035e+00],  
[4.0947e+01, 3.7555e-01, 1.3841e+00],  
[2.9033e+00, 7.2364e-03, 3.1534e-01],  
[4.2144e-01, 2.2472e-05, 5.1306e-02],  
[2.8834e+01, 3.0549e-02, 2.0189e+00],  
[6.7897e+01, 1.4759e-01, 3.3185e+00],  
[4.0919e+01, 2.6112e-01, 1.9953e+00],  
[8.5704e+00, 5.3940e-03, 5.0808e-01],  
[4.2573e+00, 8.3580e-05, 2.1837e-01],  
[2.0843e-02, 3.7007e-07, 3.0666e-03],  
[7.1078e+00, 1.1204e-03, 4.2314e-01],  
[1.7370e-01, 1.7738e-05, 1.9178e-02],  
[1.1473e-01, 2.2465e-06, 1.5520e-02],  
[4.1564e-01, 2.8985e-04, 5.6164e-02],  
[9.7807e+00, 7.2403e-03, 9.1982e-01],  
[4.8335e+00, 9.5305e-03, 3.0526e-01],  
[1.6451e+01, 2.1480e-02, 5.6725e-01],  
[2.8520e+01, 1.0175e-01, 1.5393e+00],  
[2.2485e+01, 9.7259e-02, 6.9652e-01],  
[1.5906e-01, 1.2380e-05, 1.7313e-02],  
[2.8063e+01, 2.6253e-01, 9.0003e-01],  
[6.8614e+01, 3.9039e-01, 1.9259e+00],  
[8.5886e-01, 1.8353e-04, 9.8906e-02],  
[3.6691e+01, 1.2023e-02, 9.8269e-01],  
[7.9665e+00, 3.0024e-03, 6.6724e-01],  
[7.8765e+00, 4.2603e-03, 6.9765e-01],  
[1.4168e+01, 1.0521e-01, 8.7370e-01],  
[8.6061e+01, 9.9126e-01, 3.7073e+00],  
[1.3524e-02, 2.6953e-07, 1.9825e-03],  
[1.4500e+02, 1.9763e+00, 3.2870e+00],  
[4.5146e+01, 7.0949e-01, 1.7956e+00],  
[4.4206e-01, 2.7075e-05, 5.1184e-02],  
[2.0203e-01, 2.0251e-05, 2.4365e-02],  
[1.2887e+01, 1.8901e-02, 4.4683e-01],  
[3.9513e+01, 4.3611e-02, 1.0854e+00],  
[6.0816e-02, 3.6083e-07, 8.0808e-03],  
[1.3552e+00, 7.4812e-04, 1.0079e-01],  
[1.2328e+02, 4.0804e+00, 2.9273e+00],  
[1.4073e+00, 2.0315e-03, 1.8131e-01],  
[1.2681e+01, 1.8332e-02, 1.2974e+00],  
[1.1175e+01, 7.8257e-02, 7.7471e-01],

[2.8684e+01, 3.6620e-02, 1.9557e+00],  
 [1.2449e+02, 1.5021e+00, 4.3535e+00],  
 [3.5119e+01, 7.6822e-02, 2.3114e+00],  
 [7.5775e-03, 7.2090e-09, 1.2151e-03],  
 [1.6293e+01, 5.3210e-02, 8.8958e-01],  
 [5.1515e-01, 5.0317e-06, 4.9931e-02],  
 [4.2513e-01, 7.4766e-06, 5.7064e-02],  
 [8.5540e-01, 7.2513e-05, 6.5361e-02],  
 [7.7739e-03, 2.1365e-08, 1.2110e-03],  
 [6.4279e+01, 7.6921e-01, 2.7008e+00],  
 [8.9298e-01, 6.9301e-04, 1.0605e-01],  
 [1.1044e+00, 1.9308e-04, 9.9556e-02],  
 [9.1026e-02, 8.8761e-06, 1.2095e-02],  
 [1.8585e+00, 1.9899e-04, 1.7276e-01],  
 [1.8654e-01, 2.0035e-05, 2.1314e-02],  
 [6.5291e-02, 2.9730e-07, 8.1087e-03],  
 [2.5123e+01, 6.2209e-02, 1.9483e+00],  
 [3.5024e+00, 7.0250e-04, 1.5621e-01],  
 [6.0130e+00, 5.0971e-04, 3.2311e-01],  
 [8.2220e+00, 2.7360e-02, 7.1292e-01],  
 [2.5086e+00, 5.8588e-04, 1.4031e-01],  
 [2.4424e+00, 8.4630e-04, 2.0618e-01],  
 [8.0079e+01, 3.0010e-01, 3.1086e+00],  
 [2.1048e-01, 2.8355e-05, 2.4244e-02],  
 [5.0926e+00, 6.6960e-03, 4.4579e-01],  
 [6.2012e+00, 1.3083e-02, 3.9092e-01],  
 [4.5721e+00, 1.7728e-03, 2.9009e-01],  
 [1.3889e+02, 2.0813e+00, 3.6454e+00],  
 [5.4034e+00, 2.8026e-03, 3.0415e-01],  
 [4.1329e+01, 1.3452e-01, 1.6597e+00],  
 [5.0770e-03, 3.0535e-08, 7.9799e-04],  
 [2.2460e+01, 1.2147e-02, 1.1715e+00],  
 [3.9113e+01, 1.3709e-01, 1.2912e+00],  
 [1.4416e+00, 3.5242e-04, 1.1161e-01],  
 [8.0685e+01, 7.2106e-01, 2.5131e+00],  
 [5.9086e+00, 1.6310e-03, 2.6373e-01],  
 [1.4646e+01, 2.6306e-02, 1.1926e+00],  
 [5.8738e+00, 8.8868e-03, 4.6446e-01],  
 [1.7071e+02, 6.0586e-01, 2.9672e+00],  
 [7.5164e+01, 1.4524e+00, 2.2087e+00],  
 [1.2277e+01, 5.0347e-02, 7.7081e-01],  
 [3.6275e-01, 2.2652e-05, 3.8508e-02],  
 [1.4025e+00, 2.9944e-04, 1.2062e-01],  
 [4.0386e+01, 1.6590e-01, 9.0019e-01],  
 [1.4438e+00, 2.4337e-04, 1.3489e-01],  
 [4.3724e-01, 2.1804e-05, 4.8589e-02],  
 [1.2233e+02, 5.2474e-01, 2.5186e+00],  
 [2.0435e+00, 2.0850e-04, 1.3555e-01],

[3.9466e+00, 3.3121e-03, 2.8932e-01],  
 [2.0991e+00, 8.5246e-04, 1.7256e-01],  
 [1.0351e+02, 7.1057e-02, 3.4356e+00],  
 [3.8719e+00, 7.9624e-04, 1.7844e-01],  
 [2.0131e+00, 1.0333e-03, 1.5315e-01],  
 [4.4524e-01, 2.8952e-05, 3.7071e-02],  
 [3.2506e+00, 9.4130e-03, 2.8794e-01],  
 [1.0738e+01, 8.4800e-02, 1.0676e+00],  
 [8.4853e+00, 1.3062e-02, 6.5441e-01],  
 [6.1896e+01, 1.3884e-01, 3.3388e+00],  
 [3.1301e+01, 2.4915e-01, 9.6201e-01],  
 [8.9590e-01, 7.7343e-04, 1.1209e-01],  
 [2.0176e+02, 3.9062e+00, 4.9598e+00],  
 [1.3486e+02, 2.4641e+00, 4.5675e+00],  
 [8.5222e-02, 6.9378e-06, 1.1090e-02],  
 [3.9841e+01, 2.2171e-01, 1.1184e+00],  
 [2.9591e+01, 4.6250e-02, 1.1179e+00],  
 [2.3447e-01, 1.5717e-05, 2.3753e-02],  
 [1.3215e-01, 4.7925e-06, 1.4392e-02],  
 [3.0800e+00, 1.4604e-03, 2.8295e-01],  
 [1.4913e+01, 1.2527e-02, 4.8212e-01],  
 [7.9135e-02, 1.5255e-06, 1.0135e-02],  
 [3.7548e+01, 1.5808e-01, 2.1746e+00],  
 [3.7825e+01, 2.4080e-02, 1.1297e+00],  
 [8.8667e-03, 7.6657e-08, 1.3468e-03],  
 [1.0350e+02, 1.0942e+00, 2.3225e+00],  
 [9.8791e-02, 1.0962e-06, 1.1797e-02],  
 [5.1075e+00, 1.5315e-02, 3.5174e-01],  
 [3.1569e+01, 9.5101e-02, 1.8766e+00],  
 [2.4402e-01, 1.4018e-05, 2.3777e-02],  
 [2.3921e+01, 1.5110e-01, 1.0832e+00],  
 [4.0531e-02, 2.0827e-06, 6.0640e-03],  
 [2.2760e-02, 3.8139e-07, 3.4990e-03],  
 [8.6259e+01, 1.4418e+00, 2.6150e+00],  
 [3.0869e+01, 1.6950e-01, 8.3613e-01],  
 [2.4877e+01, 9.7404e-02, 1.0239e+00],  
 [2.5217e+01, 1.1509e-01, 1.2899e+00],  
 [4.3760e-01, 1.1537e-04, 5.2816e-02],  
 [4.3071e+00, 1.3740e-03, 4.0685e-01],  
 [1.2719e-01, 6.8601e-06, 1.7659e-02],  
 [8.3431e+00, 9.6583e-03, 3.9912e-01],  
 [1.0713e-02, 6.6383e-09, 1.6395e-03],  
 [1.9989e-01, 1.3165e-05, 2.9787e-02],  
 [1.1248e+00, 5.9774e-06, 7.0188e-02],  
 [3.9248e+00, 1.4195e-03, 1.8887e-01],  
 [9.5729e-01, 9.1127e-06, 6.2795e-02],  
 [2.9103e+01, 1.5480e-01, 2.2473e+00],  
 [7.8544e+00, 7.1222e-03, 5.1361e-01],

[1.4707e+01, 4.0779e-02, 6.3640e-01],  
 [4.5826e+01, 2.9980e-01, 2.4449e+00],  
 [1.7248e+01, 5.2035e-02, 9.7987e-01],  
 [1.1486e+00, 1.8133e-03, 1.4058e-01],  
 [6.8103e+00, 1.1352e-03, 4.5218e-01],  
 [1.6919e+01, 3.7735e-02, 8.0498e-01],  
 [1.1083e-01, 5.6973e-06, 1.5281e-02],  
 [9.4028e+00, 3.8444e-03, 5.1775e-01],  
 [1.9088e+00, 6.8301e-04, 2.6095e-01],  
 [1.0245e-01, 2.8406e-06, 1.1777e-02],  
 [2.0824e+00, 2.6411e-04, 1.9799e-01],  
 [1.1804e+00, 6.5044e-05, 8.1284e-02],  
 [5.8684e+01, 6.3993e-01, 1.8710e+00],  
 [7.3996e-01, 2.9080e-04, 6.4956e-02],  
 [2.8786e-01, 5.2348e-05, 3.5127e-02],  
 [2.1496e+02, 1.9100e+00, 3.5046e+00],  
 [9.2489e-02, 4.6908e-06, 1.0959e-02],  
 [1.1434e+02, 1.2012e+00, 2.3489e+00],  
 [1.2276e+01, 2.0385e-02, 8.3145e-01],  
 [1.2507e+00, 4.6061e-04, 9.9349e-02],  
 [1.2870e+02, 4.9203e-01, 3.8453e+00],  
 [1.2595e+01, 9.2997e-02, 1.3172e+00],  
 [2.8538e+01, 1.9620e-01, 1.4317e+00],  
 [5.1934e+01, 2.6914e-01, 1.3941e+00],  
 [5.1294e+00, 4.0406e-03, 2.4288e-01],  
 [2.2682e+01, 9.6043e-02, 1.0297e+00],  
 [4.4192e+01, 1.1803e-01, 1.4912e+00],  
 [3.1905e+01, 9.8831e-02, 9.5969e-01],  
 [1.2935e+00, 1.7965e-04, 1.0109e-01],  
 [9.5027e-01, 3.7066e-04, 8.9141e-02],  
 [6.0391e+01, 4.9390e-01, 2.1985e+00],  
 [5.2475e+00, 7.9253e-04, 3.3665e-01],  
 [1.9361e+01, 2.3622e-02, 6.2012e-01],  
 [5.3096e-02, 2.7940e-06, 8.1825e-03],  
 [1.3002e+00, 4.4773e-05, 1.1727e-01],  
 [2.0066e+01, 5.5764e-02, 8.2851e-01],  
 [4.5677e+00, 2.6116e-03, 5.5872e-01],  
 [1.0861e+02, 1.5280e+00, 3.0040e+00],  
 [7.0695e+01, 5.8611e-01, 3.3249e+00],  
 [2.2627e+01, 8.2049e-02, 1.9634e+00],  
 [1.1665e+01, 6.8354e-02, 7.2111e-01],  
 [3.9267e+01, 6.6867e-01, 2.4030e+00],  
 [6.7156e+01, 5.3851e-01, 1.6192e+00],  
 [8.0575e-02, 4.1601e-06, 1.0005e-02],  
 [1.4833e+00, 2.7225e-04, 1.4636e-01],  
 [1.2386e+01, 2.1646e-02, 4.0415e-01],  
 [1.7220e+02, 2.6825e+00, 3.4573e+00],  
 [3.6370e+01, 1.8860e-02, 1.2920e+00],

```

[1.2916e-02, 1.1870e-08, 1.9400e-03],
[4.1075e+00, 4.0771e-03, 2.5488e-01],
[1.9931e-01, 2.5141e-05, 2.4978e-02],
[2.2893e+00, 1.2859e-03, 1.8135e-01]], dtype=torch.float64)
Iteration: 99
Inputs: tensor([[6.0163e+20, 4.4910e+02, 6.8832e+00, 7.2785e+00],
[1.1332e+20, 2.8527e+02, 1.0320e+00, 5.2503e+00],
[7.5612e+19, 4.7664e+02, 1.9099e+01, 9.7943e+00],
...,
[2.0814e+20, 1.2826e+02, 2.1261e+00, 1.2672e+00],
[6.6385e+20, 3.9583e+02, 1.6032e+01, 1.6393e+00],
[5.1339e+20, 1.3159e+02, 6.2466e+00, 3.7121e+00]], dtype=torch.float64)
Target: tensor([[2.1077e+02, 4.7657e+00, 3.9376e+00],
[6.8308e+01, 1.8450e-01, 1.5531e+00],
[4.0491e+01, 6.1169e-01, 1.1839e+00],
[2.8264e+01, 2.0486e-01, 1.4970e+00],
[4.4670e+01, 1.0592e-01, 9.4400e-01],
[3.3556e+02, 1.0831e+01, 4.6017e+00],
[7.5373e-01, 1.9091e-04, 6.3559e-02],
[9.9631e+01, 4.4502e-01, 3.7989e+00],
[7.3621e+01, 7.6114e-01, 3.1998e+00],
[2.8173e-02, 1.5787e-07, 4.0327e-03],
[3.1029e+01, 3.0998e-01, 2.1860e+00],
[5.7974e+00, 1.2030e-03, 2.7553e-01],
[4.0828e+01, 1.8592e-01, 1.6131e+00],
[2.1173e+00, 8.7214e-04, 1.7703e-01],
[7.7851e+00, 8.9458e-03, 4.0624e-01],
[1.5889e+01, 8.7886e-02, 9.5993e-01],
[2.2715e+00, 2.8049e-03, 2.3400e-01],
[9.5571e+01, 3.7445e-01, 2.5207e+00],
[7.0654e+00, 1.1620e-02, 3.2264e-01],
[4.3531e-01, 1.3387e-05, 3.6376e-02],
[6.1857e+00, 2.5157e-03, 2.8306e-01],
[3.4210e-01, 2.1907e-05, 2.8213e-02],
[5.9620e+01, 2.0606e-01, 1.2319e+00],
[1.4341e+00, 1.3126e-03, 1.4215e-01],
[1.4196e+02, 1.6507e+00, 3.3032e+00],
[6.6740e+01, 6.1454e-01, 2.8372e+00],
[7.8716e-01, 1.1595e-04, 8.5632e-02],
[8.5756e-01, 1.0738e-05, 5.9211e-02],
[7.7901e+01, 1.4376e+00, 2.0745e+00],
[1.3035e+02, 2.8254e+00, 2.8589e+00],
[3.8480e+01, 3.0502e-02, 1.8334e+00],
[2.5088e-01, 3.8602e-06, 2.7132e-02],
[1.1178e+00, 1.7111e-04, 1.1042e-01],
[1.7138e+00, 3.4288e-04, 1.3044e-01],
[2.0988e+01, 6.8939e-02, 1.2098e+00],
[1.0636e-01, 1.1001e-05, 1.4430e-02],

```

[1.1497e+01, 2.9273e-03, 4.0882e-01],  
 [3.3232e+00, 1.5015e-03, 3.6792e-01],  
 [1.5974e+00, 1.4349e-04, 1.7560e-01],  
 [2.5879e+00, 4.5115e-03, 2.6104e-01],  
 [2.6523e+00, 3.6838e-03, 2.1782e-01],  
 [9.0639e+00, 1.2142e-02, 4.2281e-01],  
 [3.7418e-01, 5.1649e-05, 3.9802e-02],  
 [1.0942e+01, 2.5675e-02, 5.0347e-01],  
 [4.3456e+00, 5.9344e-04, 2.1850e-01],  
 [1.6101e+01, 1.0724e-02, 1.3019e+00],  
 [1.5970e+02, 5.3670e+00, 4.7246e+00],  
 [1.0249e+02, 1.1004e+00, 2.9927e+00],  
 [3.3574e+01, 3.0870e-01, 1.0756e+00],  
 [2.8438e+01, 3.0135e-02, 7.6771e-01],  
 [1.6276e+02, 6.6747e-01, 4.5870e+00],  
 [4.5913e+00, 1.4053e-02, 4.4183e-01],  
 [7.5023e-02, 1.9485e-06, 1.1017e-02],  
 [9.7070e+01, 1.2012e+00, 3.0234e+00],  
 [1.4679e+01, 1.1628e-01, 8.4322e-01],  
 [9.2465e+01, 3.5369e-01, 2.2008e+00],  
 [4.3031e-02, 5.9799e-07, 6.4499e-03],  
 [2.5807e-02, 1.4914e-07, 4.0524e-03],  
 [3.0541e-01, 2.0131e-05, 2.6910e-02],  
 [2.9727e-01, 7.8591e-05, 3.1789e-02],  
 [9.0618e+00, 1.5967e-02, 4.3570e-01],  
 [4.0374e-01, 2.8866e-05, 4.1887e-02],  
 [6.4502e-02, 1.6709e-06, 8.7740e-03],  
 [2.4408e+00, 1.0898e-03, 2.8443e-01],  
 [1.8067e+00, 3.5193e-04, 1.5029e-01],  
 [9.7096e-02, 3.6495e-06, 1.2498e-02],  
 [5.0830e-01, 6.7094e-05, 5.2369e-02],  
 [3.4756e-01, 3.1770e-05, 4.0400e-02],  
 [4.6210e+00, 3.3341e-03, 2.7649e-01],  
 [4.6557e-01, 8.3824e-05, 6.4120e-02],  
 [8.3594e+01, 1.5361e+00, 4.0014e+00],  
 [1.6022e+02, 5.5185e+00, 3.4881e+00],  
 [2.2037e-01, 3.1693e-05, 2.7279e-02],  
 [7.0129e-03, 3.2908e-08, 1.0914e-03],  
 [2.5042e+01, 7.4412e-02, 1.5702e+00],  
 [8.8487e-01, 1.8451e-04, 8.2319e-02],  
 [1.1276e-03, 4.6981e-10, 1.8137e-04],  
 [2.7724e-01, 6.9474e-06, 3.2831e-02],  
 [5.7325e+00, 9.3475e-03, 3.6704e-01],  
 [9.4233e-02, 7.3702e-07, 1.1417e-02],  
 [1.0515e+00, 2.6437e-04, 9.1031e-02],  
 [1.2594e+01, 2.8518e-02, 8.6539e-01],  
 [5.5313e+00, 7.4745e-03, 4.6786e-01],  
 [2.5380e-01, 1.3590e-05, 2.4219e-02],

[3.7234e+01, 2.8036e-01, 1.7837e+00],  
 [2.3767e+01, 1.0742e-01, 9.7234e-01],  
 [1.1741e+01, 1.8023e-03, 3.9738e-01],  
 [7.5289e-01, 8.3257e-05, 6.2672e-02],  
 [6.0755e-01, 7.9390e-05, 8.5624e-02],  
 [1.1039e+01, 1.0607e-03, 6.0683e-01],  
 [4.9892e+00, 2.1435e-03, 5.8422e-01],  
 [5.6035e-02, 2.2436e-06, 8.1354e-03],  
 [1.7851e+02, 4.6129e+00, 3.9184e+00],  
 [4.2419e-01, 4.2433e-05, 4.5474e-02],  
 [6.9241e-02, 3.2203e-06, 9.3429e-03],  
 [1.3455e+00, 1.0018e-03, 1.1539e-01],  
 [5.6905e+00, 6.3654e-03, 5.4044e-01],  
 [2.0001e+00, 4.8870e-04, 1.7785e-01],  
 [8.0778e+00, 2.4855e-02, 4.5317e-01],  
 [8.2451e-02, 9.3163e-06, 1.1656e-02],  
 [3.7098e+01, 1.6773e-01, 2.0989e+00],  
 [1.1162e-01, 9.2574e-06, 1.2997e-02],  
 [1.1997e+00, 3.8227e-04, 1.0679e-01],  
 [7.1704e+00, 1.1219e-02, 4.5959e-01],  
 [7.3843e-01, 3.1968e-05, 4.3860e-02],  
 [3.9951e+01, 3.7189e-01, 1.3466e+00],  
 [1.3784e+01, 1.8503e-02, 5.4043e-01],  
 [7.4413e-01, 1.3723e-04, 7.1963e-02],  
 [6.4905e-03, 3.4367e-09, 1.0012e-03],  
 [9.4372e+01, 9.2805e-01, 1.8678e+00],  
 [6.9102e+00, 2.8343e-03, 2.7573e-01],  
 [9.2184e+01, 1.1096e+00, 2.5165e+00],  
 [6.9968e-01, 5.2510e-05, 7.6598e-02],  
 [2.1358e+01, 1.0277e-01, 7.5635e-01],  
 [1.3474e-01, 8.7330e-06, 1.8485e-02],  
 [4.7610e-01, 1.4243e-04, 4.6975e-02],  
 [2.2039e-01, 1.1896e-05, 2.9669e-02],  
 [7.1974e+00, 1.5504e-02, 5.5150e-01],  
 [6.6445e+00, 3.0128e-02, 5.6471e-01],  
 [1.1212e+01, 4.0939e-03, 4.5558e-01],  
 [1.6345e+01, 1.3955e-01, 8.1744e-01],  
 [6.3624e-02, 8.8139e-07, 9.0946e-03],  
 [9.3753e-01, 9.6728e-05, 6.6079e-02],  
 [2.6371e-01, 5.9786e-06, 2.3171e-02],  
 [1.8800e+00, 2.2968e-03, 1.9772e-01],  
 [2.6335e+01, 1.4026e-01, 1.1838e+00],  
 [2.0208e+01, 2.3778e-02, 6.2840e-01],  
 [2.5005e-03, 2.4075e-09, 3.9479e-04],  
 [2.2661e+00, 2.2262e-04, 1.2875e-01],  
 [1.3284e+00, 2.3176e-04, 1.3351e-01],  
 [8.2661e+01, 1.1744e+00, 2.6663e+00],  
 [1.5503e+00, 8.4950e-04, 1.2461e-01],

[1.6742e+01, 7.0327e-02, 1.1692e+00],  
 [2.6948e-01, 1.2616e-05, 2.8504e-02],  
 [1.2625e+02, 2.7505e+00, 3.5819e+00],  
 [2.5333e+00, 2.6416e-04, 1.7947e-01],  
 [1.2965e+02, 2.0237e+00, 2.7907e+00],  
 [6.1920e+00, 1.8920e-02, 4.8151e-01],  
 [2.8869e+01, 8.8675e-02, 7.3012e-01],  
 [1.1019e+00, 3.7649e-04, 1.3001e-01],  
 [1.8598e+01, 1.5753e-02, 1.2564e+00],  
 [2.5166e-01, 1.5433e-05, 2.7597e-02],  
 [5.1021e-02, 7.1824e-07, 7.4913e-03],  
 [1.0065e+00, 4.4927e-04, 8.6555e-02],  
 [7.2185e+01, 1.9153e-01, 2.7395e+00],  
 [2.0921e+02, 1.3719e+01, 4.9978e+00],  
 [2.4158e+01, 3.6574e-03, 1.2627e+00],  
 [3.1542e+00, 8.7531e-03, 3.9467e-01],  
 [6.4290e+01, 7.7669e-01, 2.1184e+00],  
 [7.5671e+01, 2.7091e-01, 2.3095e+00],  
 [5.4108e+00, 7.5827e-03, 5.9405e-01],  
 [1.0322e+00, 5.3537e-05, 9.5266e-02],  
 [2.7484e+01, 2.5538e-01, 1.1593e+00],  
 [1.2384e+00, 8.1533e-04, 1.4030e-01],  
 [1.5267e+02, 2.1011e+00, 4.2846e+00],  
 [5.9686e-01, 3.1185e-05, 5.2278e-02],  
 [1.0631e+02, 1.6307e+00, 2.4095e+00],  
 [1.7599e+02, 3.5667e+00, 3.9676e+00],  
 [1.3519e+01, 3.2286e-02, 1.0196e+00],  
 [1.2461e+02, 1.7653e+00, 2.8138e+00],  
 [7.1728e+00, 5.1106e-03, 3.1638e-01],  
 [2.4871e+01, 6.9726e-03, 1.2352e+00],  
 [9.8045e+00, 4.9207e-02, 5.8408e-01],  
 [2.9202e-01, 3.1218e-05, 4.1033e-02],  
 [5.5993e+01, 5.0593e-01, 2.8982e+00],  
 [4.6148e+00, 1.5061e-03, 4.1062e-01],  
 [5.7792e-02, 1.3051e-06, 8.5507e-03],  
 [1.0122e+02, 7.1229e-02, 2.0866e+00],  
 [1.9633e-01, 4.1722e-06, 2.5125e-02],  
 [7.9652e-01, 3.3555e-05, 7.3785e-02],  
 [9.2506e-01, 4.3650e-04, 8.4390e-02],  
 [2.1164e+00, 1.2663e-03, 2.8346e-01],  
 [2.5804e-01, 4.0594e-06, 3.3513e-02],  
 [2.4018e+00, 5.2232e-04, 1.6947e-01],  
 [2.0236e+01, 1.3690e-02, 8.2224e-01],  
 [8.0531e-01, 2.3712e-04, 9.6558e-02],  
 [2.2965e+00, 2.3510e-03, 2.0049e-01],  
 [2.2072e-03, 3.5453e-10, 3.5020e-04],  
 [1.4692e+01, 1.3178e-01, 7.8326e-01],  
 [2.8981e+01, 2.0840e-01, 1.0347e+00],



[6.1194e-01, 5.7877e-05, 7.3490e-02],  
 [3.3249e+01, 2.3285e-01, 1.0099e+00],  
 [1.2351e+02, 1.7855e+00, 3.4143e+00],  
 [3.5402e-03, 2.7668e-09, 5.6449e-04],  
 [1.9266e+00, 7.8979e-04, 1.3124e-01],  
 [5.0741e+00, 7.2861e-03, 3.4057e-01],  
 [2.1667e+01, 7.1976e-02, 1.0855e+00],  
 [1.7168e+01, 1.2931e-01, 9.2252e-01],  
 [8.2648e+00, 1.0254e-02, 3.8465e-01],  
 [1.0745e+01, 4.0303e-02, 5.5086e-01],  
 [3.7691e+01, 3.0009e-01, 1.4847e+00],  
 [4.5235e-01, 5.3822e-05, 3.6148e-02],  
 [4.5904e+00, 4.8853e-03, 2.8558e-01],  
 [1.7991e+01, 4.2557e-02, 7.2026e-01],  
 [1.0729e+00, 1.5833e-04, 1.2864e-01],  
 [4.1643e-01, 5.5308e-05, 4.6610e-02],  
 [1.8370e-01, 1.2969e-05, 2.1744e-02],  
 [1.1306e+02, 7.4731e-01, 2.5272e+00],  
 [1.0124e+01, 2.2624e-02, 3.9863e-01],  
 [4.1189e+01, 7.7765e-02, 2.1962e+00],  
 [2.4720e+00, 7.2581e-04, 2.2986e-01],  
 [1.3435e+01, 9.3434e-03, 7.8982e-01],  
 [6.8007e+00, 3.1312e-02, 5.0826e-01],  
 [3.2919e+00, 1.1308e-03, 1.6298e-01],  
 [4.2611e-01, 5.0846e-05, 5.1921e-02],  
 [5.0202e+01, 6.5671e-01, 2.6875e+00],  
 [5.9185e+01, 1.1230e+00, 2.5249e+00],  
 [3.1893e-01, 1.7244e-05, 3.0724e-02],  
 [2.3172e+02, 6.6328e+00, 4.3532e+00],  
 [1.1395e+00, 1.6863e-04, 9.2503e-02],  
 [3.0666e+02, 9.6198e+00, 4.2387e+00],  
 [3.2020e-04, 4.6264e-11, 5.2473e-05],  
 [7.6449e-02, 2.6996e-06, 1.0116e-02],  
 [3.5962e-03, 1.0289e-08, 5.7436e-04],  
 [5.6106e-01, 1.2378e-04, 6.9897e-02],  
 [4.0273e-03, 2.2752e-09, 6.3291e-04],  
 [1.4411e-01, 4.9737e-06, 1.6042e-02],  
 [1.3266e+02, 4.0900e+00, 3.6765e+00],  
 [7.3220e+01, 1.0227e+00, 2.7118e+00],  
 [2.4485e+01, 4.7392e-02, 8.9064e-01],  
 [5.8182e+00, 1.1839e-02, 4.5290e-01],  
 [2.6440e+01, 3.7759e-02, 1.1772e+00],  
 [3.0593e+01, 2.9254e-02, 6.9016e-01],  
 [1.1563e+02, 9.0151e-01, 2.3312e+00],  
 [4.4195e-01, 7.9884e-05, 4.7749e-02],  
 [5.8261e+01, 4.7030e-01, 1.3792e+00],  
 [1.5817e+01, 9.5794e-02, 1.4805e+00],  
 [5.7939e-03, 1.9669e-08, 9.1463e-04],

[2.0350e-01, 2.9665e-05, 2.7376e-02],  
 [1.8132e+00, 4.7212e-04, 1.4068e-01],  
 [2.2070e+00, 1.3387e-03, 2.8734e-01],  
 [5.5071e+00, 1.0279e-02, 4.5307e-01],  
 [1.2950e+01, 2.7119e-02, 4.9062e-01],  
 [1.6936e+01, 3.0642e-02, 1.2014e+00],  
 [1.5774e-01, 1.3077e-05, 1.6950e-02],  
 [2.2199e+01, 4.2999e-02, 1.8666e+00],  
 [1.9191e+00, 2.9188e-04, 1.4860e-01],  
 [8.1792e+01, 4.4554e-01, 3.2651e+00],  
 [2.3463e-03, 3.0273e-10, 3.7436e-04],  
 [2.8806e+00, 9.8255e-04, 2.2852e-01],  
 [1.1505e+01, 2.7329e-03, 4.2688e-01],  
 [5.2465e+01, 2.9352e-01, 1.0104e+00],  
 [8.0541e-02, 1.2832e-06, 1.0845e-02],  
 [5.6891e+01, 1.5031e-01, 1.6624e+00],  
 [1.6438e+01, 1.2349e-02, 8.3248e-01],  
 [1.4592e+02, 2.4665e-01, 4.5993e+00],  
 [2.2679e+01, 2.5706e-02, 1.2756e+00],  
 [1.4556e+01, 2.8550e-03, 7.7665e-01],  
 [5.5352e-01, 7.7885e-05, 5.4160e-02],  
 [9.4828e-02, 9.9789e-06, 1.3631e-02],  
 [1.2231e+02, 2.5712e+00, 3.5386e+00],  
 [1.8002e-02, 6.9669e-08, 2.6064e-03],  
 [5.4717e+01, 3.2648e-01, 1.4717e+00],  
 [5.7268e-02, 2.4565e-06, 7.2793e-03],  
 [6.8959e-03, 5.3200e-08, 1.0921e-03],  
 [7.2810e+00, 1.0448e-02, 3.7861e-01],  
 [2.0393e+00, 4.2142e-03, 2.2607e-01],  
 [5.6229e+01, 1.2779e-01, 1.5763e+00],  
 [3.1786e+00, 1.5225e-03, 4.2283e-01],  
 [1.3098e-01, 2.7461e-06, 1.7594e-02],  
 [1.4769e-01, 2.1397e-06, 1.8282e-02],  
 [3.5542e+01, 1.4056e-01, 2.0237e+00],  
 [2.3769e+00, 1.3057e-03, 1.6601e-01],  
 [3.0966e+01, 9.1703e-02, 7.8756e-01],  
 [9.1475e+00, 6.7872e-02, 1.0012e+00],  
 [6.7695e-01, 9.5420e-05, 6.6022e-02],  
 [7.0834e-01, 9.2334e-05, 8.1367e-02],  
 [1.3483e+01, 1.1824e-02, 9.4398e-01],  
 [9.3767e+01, 8.7984e-02, 4.1409e+00],  
 [6.6406e-01, 3.2185e-04, 8.1595e-02],  
 [2.1677e+01, 8.5616e-02, 1.8254e+00],  
 [6.8519e-01, 1.0371e-05, 8.4770e-02],  
 [9.7600e-01, 2.6710e-04, 1.3058e-01],  
 [3.2891e+00, 2.0156e-03, 1.9666e-01],  
 [7.9199e+00, 6.9638e-03, 3.0387e-01],  
 [4.5206e+00, 2.4825e-03, 3.4322e-01],

```

[2.6190e-01, 2.0328e-05, 2.7540e-02],
[1.2054e+02, 2.1978e+00, 3.3206e+00],
[1.3528e+01, 2.7835e-02, 1.2351e+00],
[1.2515e+00, 2.8786e-04, 9.4816e-02],
[1.3290e+00, 2.7860e-04, 8.9326e-02],
[1.2426e+00, 7.7735e-04, 1.3903e-01],
[5.7455e+01, 3.0830e-01, 1.3475e+00],
[2.5254e+02, 1.1212e+01, 4.9166e+00],
[9.4434e+00, 3.2354e-02, 4.7912e-01],
[6.2009e+01, 7.4578e-01, 1.9667e+00],
[2.6854e-01, 2.3936e-05, 3.7760e-02],
[2.3607e+00, 1.7411e-03, 1.9846e-01],
[5.1508e+00, 1.2127e-02, 6.3039e-01],
[7.8257e-02, 2.3852e-06, 9.9465e-03],
[5.5082e+01, 1.4232e-01, 1.7849e+00],
[1.8606e+01, 5.3910e-02, 7.5530e-01],
[9.8021e-04, 2.3592e-10, 1.5900e-04],
[4.7726e+00, 8.1494e-03, 2.8162e-01],
[2.5184e+02, 1.6336e+00, 4.5492e+00],
[2.0613e-01, 3.4925e-05, 3.1315e-02],
[1.9392e+01, 4.0159e-02, 7.2141e-01],
[7.0981e+00, 6.9379e-03, 3.3356e-01],
[2.2149e-01, 1.8051e-05, 2.1621e-02],
[9.5205e+00, 1.0089e-02, 4.0981e-01],
[2.4751e+01, 5.5294e-02, 1.0190e+00],
[1.0308e+02, 1.3865e+00, 2.4144e+00],
[1.7805e+00, 2.4173e-03, 1.9849e-01],
[1.2972e+00, 4.9177e-04, 1.0879e-01],
[6.0480e+01, 5.0206e-02, 2.3244e+00],
[2.5670e+00, 1.1238e-03, 1.4845e-01],
[1.2790e+00, 5.6640e-04, 1.2409e-01],
[5.8720e-02, 4.0561e-06, 7.4135e-03],
[7.7563e+01, 5.3783e-01, 2.5023e+00],
[1.8620e+00, 1.5489e-03, 1.3298e-01],
[5.2396e-01, 1.0898e-04, 4.2576e-02],
[3.8349e-01, 1.3674e-05, 3.0701e-02],
[6.0532e-03, 3.2029e-08, 9.5703e-04],
[3.9003e+01, 1.4636e-01, 1.6948e+00],
[1.3389e+02, 2.9985e-01, 3.0354e+00],
[8.0859e+01, 8.7907e-01, 2.6579e+00],
[3.1009e-01, 1.9748e-05, 3.4731e-02],
[3.0548e+01, 7.7874e-03, 1.6550e+00],
[5.8344e+01, 1.7705e-01, 3.1178e+00],
[6.2553e+01, 2.3682e-01, 2.9309e+00]], dtype=torch.float64)

```

Iteration: 100

```

Inputs: tensor([[6.1785e+20, 4.4535e+02, 3.1917e+00, 1.4335e+00],
                [1.4253e+19, 2.2967e+02, 1.1583e+00, 5.2822e+00],
                [1.2148e+18, 2.6007e+02, 1.5721e+01, 7.1057e+00],

```

```

...,
[7.7056e+18, 1.1357e+02, 1.4157e+01, 6.9539e+00],
[3.3673e+20, 3.5431e+02, 7.5702e+00, 2.5918e+00],
[4.9616e+18, 4.0758e+02, 1.1558e+00, 8.1290e+00]], dtype=torch.float64)
Target: tensor([[1.5948e+02, 1.8434e-01, 3.8875e+00],
[8.0682e+00, 2.9645e-03, 3.6354e-01],
[7.4567e-02, 3.7781e-06, 9.2637e-03],
[9.8762e+00, 1.2860e-02, 5.3044e-01],
[9.0524e+00, 4.2285e-03, 5.0648e-01],
[1.2418e+00, 3.4086e-04, 1.2055e-01],
[9.8722e+00, 2.3780e-02, 5.8073e-01],
[6.7561e-01, 1.0375e-04, 4.4085e-02],
[1.4024e+02, 1.4831e+00, 4.3753e+00],
[2.3008e+02, 2.0752e+00, 4.3723e+00],
[5.7440e-02, 5.5301e-07, 7.6632e-03],
[4.5341e+01, 3.3661e-01, 1.9522e+00],
[2.8204e+01, 1.6974e-01, 1.1662e+00],
[2.4539e+01, 1.1748e-01, 1.0952e+00],
[2.1878e+00, 3.5572e-04, 1.1022e-01],
[1.4037e+02, 3.4165e-01, 3.5508e+00],
[5.1566e-03, 4.6017e-09, 8.1454e-04],
[4.1129e+01, 4.4995e-01, 2.3800e+00],
[5.0179e+00, 1.3846e-03, 2.8668e-01],
[4.6134e+01, 1.1249e-01, 1.6132e+00],
[3.4405e-01, 1.1780e-05, 4.9150e-02],
[5.6757e-01, 2.4849e-04, 7.2690e-02],
[5.1621e-02, 1.8924e-06, 6.7764e-03],
[1.0785e-01, 6.0579e-06, 1.4436e-02],
[3.6895e+01, 4.7438e-02, 1.6191e+00],
[3.8174e-01, 4.3521e-05, 4.0620e-02],
[1.8116e+00, 6.1059e-04, 1.9883e-01],
[2.1735e-02, 7.3127e-08, 3.4628e-03],
[8.1746e+01, 1.3032e+00, 3.1969e+00],
[2.3531e-01, 3.7689e-06, 2.7605e-02],
[1.5157e+01, 2.4786e-02, 7.4012e-01],
[9.3910e+00, 3.6135e-02, 8.3796e-01],
[1.5103e+01, 4.3125e-02, 1.0130e+00],
[4.5940e-01, 2.3697e-05, 3.8744e-02],
[8.2246e+00, 1.4572e-02, 5.5525e-01],
[1.1078e+01, 7.3702e-04, 5.0258e-01],
[4.4380e+01, 4.9025e-01, 2.0056e+00],
[3.5270e+01, 1.6308e-01, 1.7283e+00],
[2.4679e-01, 3.7274e-05, 2.6477e-02],
[7.4416e+00, 9.0050e-03, 5.9044e-01],
[1.0519e+02, 6.7787e-01, 3.5418e+00],
[2.6109e+01, 4.3748e-02, 1.6781e+00],
[2.7019e+01, 3.5315e-02, 1.4937e+00],
[5.8531e+00, 6.3507e-03, 4.7376e-01],

```

[3.0177e-02, 2.0595e-07, 4.6109e-03],  
 [2.9795e+00, 8.2799e-04, 2.9284e-01],  
 [1.1566e+00, 2.1530e-04, 8.8205e-02],  
 [2.6026e+00, 9.3824e-04, 1.5333e-01],  
 [8.2738e+00, 6.2663e-03, 4.3586e-01],  
 [2.6382e+00, 1.8515e-03, 1.6133e-01],  
 [5.2566e+00, 3.9793e-03, 2.8476e-01],  
 [1.5897e+01, 3.2425e-02, 6.4766e-01],  
 [5.4262e+00, 1.0075e-02, 3.2464e-01],  
 [5.2445e+00, 1.5848e-03, 3.8257e-01],  
 [1.8398e-01, 1.7823e-05, 2.0631e-02],  
 [3.2919e+01, 1.5512e-01, 1.3469e+00],  
 [1.8266e+01, 2.7689e-02, 1.6711e+00],  
 [3.3737e+01, 1.6693e-01, 9.6713e-01],  
 [2.5461e+01, 3.6333e-02, 1.8592e+00],  
 [6.6978e-03, 6.8736e-08, 1.0551e-03],  
 [1.4829e+02, 2.4821e+00, 4.0776e+00],  
 [6.5840e+01, 7.3431e-01, 3.2206e+00],  
 [4.5619e-01, 1.9448e-05, 4.3850e-02],  
 [2.5528e+00, 3.7682e-04, 1.3315e-01],  
 [2.9484e+00, 5.5438e-05, 1.7565e-01],  
 [6.2498e+00, 1.3576e-03, 4.8206e-01],  
 [1.1415e-02, 1.5680e-07, 1.7160e-03],  
 [2.6986e+00, 4.1049e-03, 2.4101e-01],  
 [1.0069e+02, 1.0093e-01, 4.1901e+00],  
 [4.6344e-01, 1.9791e-05, 5.4000e-02],  
 [3.5230e+01, 3.8081e-01, 1.4134e+00],  
 [9.4702e-01, 9.6454e-05, 1.1166e-01],  
 [1.6390e-01, 1.4319e-05, 2.0271e-02],  
 [1.1405e+02, 1.3757e-01, 2.7333e+00],  
 [5.9104e+01, 6.8550e-01, 1.9279e+00],  
 [1.8076e+00, 1.4198e-03, 2.0583e-01],  
 [2.1129e+01, 9.8716e-03, 9.4385e-01],  
 [1.0128e+00, 1.9620e-04, 1.2000e-01],  
 [4.0985e+01, 2.1274e-01, 1.7914e+00],  
 [8.6459e+01, 1.2301e+00, 2.3055e+00],  
 [5.8497e+01, 3.7840e-01, 2.5716e+00],  
 [1.4003e+01, 2.7737e-02, 6.7894e-01],  
 [1.1640e+01, 1.1741e-02, 4.2623e-01],  
 [2.2059e+01, 4.6980e-02, 1.3747e+00],  
 [1.1541e+02, 2.4008e+00, 2.3651e+00],  
 [5.3764e-01, 1.5141e-04, 6.1121e-02],  
 [2.4106e+00, 8.6829e-04, 1.8386e-01],  
 [1.4151e+01, 3.1884e-02, 6.1090e-01],  
 [1.1548e+00, 2.2388e-04, 7.0883e-02],  
 [2.9958e+00, 4.6624e-03, 2.9633e-01],  
 [5.9693e+01, 9.3776e-01, 2.2524e+00],  
 [3.3083e-01, 1.5644e-05, 3.3454e-02],

[1.5717e+02, 1.0545e+00, 2.9520e+00],  
 [1.3020e+02, 4.8231e+00, 3.3738e+00],  
 [3.1881e+00, 2.8231e-03, 2.0974e-01],  
 [8.3442e+01, 2.4836e-01, 3.9928e+00],  
 [1.3135e+02, 2.4413e+00, 4.2480e+00],  
 [2.9485e+00, 1.2847e-03, 2.7129e-01],  
 [3.3411e+01, 4.2720e-02, 1.1899e+00],  
 [1.1204e+01, 8.3299e-02, 6.9950e-01],  
 [2.3387e+02, 6.5277e+00, 4.4244e+00],  
 [5.3822e+00, 2.3729e-02, 4.2617e-01],  
 [5.4463e-01, 6.1732e-05, 6.4385e-02],  
 [1.6811e-03, 2.0926e-09, 2.7029e-04],  
 [2.4343e+01, 7.8426e-02, 1.1025e+00],  
 [2.1541e+01, 1.0182e-01, 1.4372e+00],  
 [9.5860e+00, 1.1462e-01, 1.0214e+00],  
 [3.5919e-01, 8.2870e-05, 3.7763e-02],  
 [4.1217e+01, 9.1861e-01, 2.5991e+00],  
 [8.8648e-01, 1.1022e-04, 8.8014e-02],  
 [9.4793e-01, 1.0449e-04, 7.7895e-02],  
 [2.4644e+00, 6.0806e-04, 2.0045e-01],  
 [1.1282e+02, 1.4443e+00, 1.8165e+00],  
 [3.1960e+02, 1.2923e+01, 5.0746e+00],  
 [2.0302e-02, 1.1993e-07, 2.9328e-03],  
 [3.6194e+01, 3.8423e-01, 1.5063e+00],  
 [8.0635e-03, 2.7264e-08, 1.2384e-03],  
 [1.7883e+01, 3.9827e-02, 1.5719e+00],  
 [2.3311e+00, 1.3546e-03, 2.0836e-01],  
 [1.2203e+02, 2.2613e+00, 3.3916e+00],  
 [4.2919e-01, 5.6021e-05, 3.2755e-02],  
 [2.5940e+01, 6.0186e-02, 1.3450e+00],  
 [5.0254e+01, 8.5892e-01, 3.0563e+00],  
 [1.3044e+02, 2.1350e+00, 3.3196e+00],  
 [2.7815e+02, 7.7800e+00, 4.1833e+00],  
 [4.6703e+00, 2.6160e-03, 4.1215e-01],  
 [3.8956e+01, 2.4847e-01, 2.1794e+00],  
 [1.0848e-02, 5.8791e-08, 1.7133e-03],  
 [4.3356e-01, 3.7170e-06, 4.2187e-02],  
 [5.9029e-01, 1.7001e-04, 6.3554e-02],  
 [2.2779e-01, 2.4567e-05, 2.9065e-02],  
 [1.5254e+01, 8.6129e-03, 6.5519e-01],  
 [5.8229e-01, 1.1859e-04, 8.7943e-02],  
 [5.1031e+00, 8.4203e-03, 2.8823e-01],  
 [1.5170e+00, 3.8188e-05, 1.1976e-01],  
 [2.2206e+01, 1.3936e-01, 1.5632e+00],  
 [1.3303e+01, 2.4253e-02, 8.2782e-01],  
 [1.1726e+01, 2.4318e-02, 4.9605e-01],  
 [1.4360e+00, 2.5959e-04, 1.1649e-01],  
 [4.2307e-02, 9.8026e-07, 6.0767e-03],

[2.4660e+01, 1.4653e-01, 8.8086e-01],  
 [1.1330e+02, 2.9226e+00, 2.5878e+00],  
 [8.0918e-01, 2.7492e-04, 9.1045e-02],  
 [8.3338e-02, 4.3155e-06, 1.2099e-02],  
 [4.8983e-01, 5.4826e-05, 4.9573e-02],  
 [2.8432e+01, 3.4746e-01, 1.4355e+00],  
 [6.0518e-01, 7.9455e-05, 8.2420e-02],  
 [8.9924e+00, 8.2298e-03, 7.9518e-01],  
 [4.2226e+00, 2.9835e-03, 2.4483e-01],  
 [1.3687e+01, 1.0900e-02, 9.8457e-01],  
 [6.0995e+00, 9.3500e-03, 4.1193e-01],  
 [9.6190e-01, 2.1518e-04, 7.1330e-02],  
 [6.0605e+01, 1.6959e-01, 1.4449e+00],  
 [3.9025e-01, 2.2931e-06, 4.2480e-02],  
 [2.0429e+01, 3.7295e-03, 8.7145e-01],  
 [4.2210e-04, 5.1897e-11, 6.9369e-05],  
 [6.2457e-01, 1.4819e-04, 6.4046e-02],  
 [2.4734e+00, 1.7772e-04, 2.1849e-01],  
 [9.3112e-01, 5.1684e-05, 8.2360e-02],  
 [8.7488e+01, 8.3943e-01, 1.9457e+00],  
 [3.0341e+00, 9.4167e-05, 1.9496e-01],  
 [2.8459e-01, 2.9460e-05, 3.0183e-02],  
 [8.7408e+01, 4.0445e-01, 1.9268e+00],  
 [1.3823e-02, 1.8463e-07, 2.0516e-03],  
 [8.0191e+00, 6.7252e-03, 3.7830e-01],  
 [1.2589e+01, 4.0868e-02, 6.2465e-01],  
 [2.1470e-01, 2.4048e-06, 2.3561e-02],  
 [1.1306e-01, 1.1203e-05, 1.2678e-02],  
 [9.1826e+01, 1.1780e+00, 2.0262e+00],  
 [1.4151e+02, 3.2685e+00, 4.0856e+00],  
 [3.1735e+00, 3.9140e-03, 3.4729e-01],  
 [1.1490e+01, 5.0184e-02, 7.5865e-01],  
 [8.6797e+00, 8.7933e-03, 4.2490e-01],  
 [3.9567e+01, 1.7523e-01, 1.4579e+00],  
 [6.6774e+01, 4.6800e-01, 1.7141e+00],  
 [9.8327e+00, 2.1046e-02, 3.9667e-01],  
 [2.7215e+00, 2.8260e-03, 2.0629e-01],  
 [6.4154e+01, 1.0856e+00, 2.1397e+00],  
 [2.1263e+00, 1.5001e-03, 1.3673e-01],  
 [1.0471e+02, 7.7514e-01, 2.6403e+00],  
 [4.0580e+00, 1.7613e-03, 3.9412e-01],  
 [6.9878e+00, 1.6576e-02, 3.8802e-01],  
 [5.1302e+01, 1.3129e-01, 2.2480e+00],  
 [4.4690e+01, 2.4724e-01, 1.1514e+00],  
 [1.4569e+00, 1.3904e-03, 1.4388e-01],  
 [2.6944e+00, 6.2303e-04, 3.7126e-01],  
 [4.3911e+01, 2.9413e-01, 1.6706e+00],  
 [6.6649e+00, 5.6678e-03, 4.9995e-01],

[2.8987e+01, 2.5779e-01, 9.4913e-01],  
 [8.5598e-02, 7.2809e-06, 1.0493e-02],  
 [2.1495e+01, 2.2466e-02, 1.1372e+00],  
 [1.0157e-01, 9.6266e-07, 1.1674e-02],  
 [1.1546e+02, 6.2527e-01, 4.2355e+00],  
 [6.6224e-02, 4.6176e-06, 9.3229e-03],  
 [3.6682e+01, 3.5307e-01, 1.5518e+00],  
 [1.0148e+02, 3.6831e-01, 4.0704e+00],  
 [6.9770e-01, 1.6344e-04, 6.6349e-02],  
 [1.9387e-01, 4.6475e-06, 2.3666e-02],  
 [7.3540e-01, 3.1213e-04, 5.9708e-02],  
 [4.5844e+00, 1.7951e-04, 2.4322e-01],  
 [1.2418e+01, 2.6575e-02, 5.3732e-01],  
 [3.3361e+00, 1.5675e-03, 1.7640e-01],  
 [7.5480e-01, 5.6300e-05, 8.8564e-02],  
 [8.5990e+00, 1.2007e-02, 4.2254e-01],  
 [1.3162e-01, 9.2161e-06, 1.7116e-02],  
 [1.3734e+02, 1.7447e+00, 2.7739e+00],  
 [1.4334e+00, 7.3059e-04, 1.5602e-01],  
 [9.9564e+01, 1.4099e+00, 2.8505e+00],  
 [2.5979e-02, 7.6676e-08, 3.7730e-03],  
 [2.4613e+00, 9.6833e-04, 2.3915e-01],  
 [8.1574e-02, 1.1405e-06, 1.1987e-02],  
 [8.4855e+01, 1.2873e+00, 2.2443e+00],  
 [2.4872e-02, 1.2726e-07, 3.6747e-03],  
 [2.9071e+00, 1.3886e-03, 1.6202e-01],  
 [8.2994e+00, 1.7153e-02, 5.0994e-01],  
 [1.2494e-01, 7.2373e-06, 1.6003e-02],  
 [6.9697e+00, 3.2976e-03, 2.7141e-01],  
 [3.6594e+01, 1.6306e-01, 1.0431e+00],  
 [4.6614e+01, 7.5553e-01, 1.6919e+00],  
 [5.6419e+00, 1.2357e-02, 3.9871e-01],  
 [2.4513e-01, 1.6808e-05, 3.3193e-02],  
 [1.0278e+01, 1.7017e-03, 5.9795e-01],  
 [4.2902e-01, 1.3129e-05, 4.0814e-02],  
 [6.5529e+01, 1.0424e-01, 2.2474e+00],  
 [1.1354e+01, 9.7215e-03, 9.2880e-01],  
 [5.6103e-01, 8.8354e-05, 5.0221e-02],  
 [5.1682e-01, 1.8331e-05, 5.4775e-02],  
 [9.3654e+01, 8.8381e-01, 3.9186e+00],  
 [1.0613e-01, 1.7407e-06, 1.4646e-02],  
 [4.9230e+01, 2.9773e-01, 2.5624e+00],  
 [8.1356e+00, 8.9244e-03, 4.2425e-01],  
 [2.4402e-01, 6.2463e-06, 3.5393e-02],  
 [2.2954e+02, 2.9299e+00, 4.5219e+00],  
 [3.9568e+00, 4.5133e-03, 3.1361e-01],  
 [3.1182e-02, 1.2408e-06, 4.8325e-03],  
 [8.5689e-01, 8.1034e-05, 7.3506e-02],



[3.3422e+01, 1.1071e-01, 2.0082e+00],  
[1.7473e+02, 6.3957e+00, 4.0454e+00],  
[2.8834e+01, 3.3906e-01, 1.2931e+00],  
[2.3128e-01, 1.3233e-05, 2.7852e-02],  
[1.8179e+01, 4.4621e-02, 6.1138e-01],  
[1.6902e+00, 8.9147e-04, 1.7773e-01],  
[7.5791e-02, 4.1118e-06, 1.0892e-02],  
[1.5057e+01, 1.4419e-02, 5.5545e-01],  
[6.1090e-03, 1.4046e-08, 9.4853e-04],  
[3.6745e+01, 9.4352e-02, 2.1791e+00],  
[1.1127e+01, 3.3029e-02, 7.1185e-01],  
[2.8410e+00, 1.3698e-02, 3.5591e-01],  
[3.3351e+01, 1.4096e-01, 1.4999e+00],  
[1.6136e+02, 2.8931e+00, 4.2328e+00],  
[2.6280e+00, 2.8874e-03, 1.7322e-01],  
[1.9419e+01, 4.2892e-02, 6.6106e-01],  
[4.4029e-01, 9.8412e-05, 4.7105e-02],  
[3.9997e-01, 2.1222e-05, 4.5197e-02],  
[6.5860e-01, 7.6563e-05, 7.2720e-02],  
[4.2831e-02, 1.3648e-06, 5.8769e-03],  
[8.6527e+01, 1.1742e+00, 2.3856e+00],  
[1.5580e+02, 2.1931e+00, 3.0738e+00],  
[3.4929e+01, 1.1731e-01, 1.5003e+00],  
[9.7218e+00, 1.6395e-02, 4.2080e-01],  
[2.3568e+02, 3.9386e+00, 4.3134e+00],  
[6.5821e+01, 8.1043e-01, 2.2654e+00],  
[2.2946e+00, 7.1150e-04, 1.2738e-01],  
[2.6661e+01, 7.1654e-02, 1.7329e+00],  
[5.0018e-03, 8.1373e-09, 7.7856e-04],  
[2.2383e+02, 5.4613e-01, 4.8963e+00],  
[1.3328e+01, 4.6917e-02, 1.2022e+00],  
[3.5041e-01, 2.0137e-05, 3.6609e-02],  
[2.3409e+02, 1.2803e+01, 4.6904e+00],  
[3.9261e-01, 9.5272e-06, 3.1834e-02],  
[2.0639e+02, 4.7724e+00, 3.4127e+00],  
[1.9379e+01, 9.3319e-02, 9.8465e-01],  
[9.2041e-01, 1.3572e-04, 1.0279e-01],  
[2.8828e+01, 4.0517e-02, 1.2818e+00],  
[3.1406e+00, 4.5700e-04, 1.8164e-01],  
[3.8804e+01, 3.9702e-01, 1.5247e+00],  
[2.6119e-01, 1.8276e-05, 2.9447e-02],  
[3.9675e-02, 7.8903e-07, 5.2691e-03],  
[3.4201e+02, 6.4090e+00, 5.1081e+00],  
[6.8692e+00, 1.1248e-02, 4.4828e-01],  
[1.6271e+00, 5.1067e-04, 1.6828e-01],  
[1.1323e+01, 3.9351e-03, 6.0778e-01],  
[2.0359e+01, 2.3789e-02, 1.8967e+00],  
[5.4539e+01, 4.1418e-01, 3.1687e+00],

```

[2.0111e-01, 8.4978e-05, 2.8625e-02],
[8.9177e+01, 5.3627e-01, 2.3352e+00],
[1.3245e+01, 1.6480e-02, 6.6457e-01],
[1.7784e+02, 7.6792e+00, 4.0677e+00],
[5.7752e+01, 4.1550e-01, 2.0375e+00],
[7.5843e+01, 6.5512e-01, 2.1850e+00],
[7.2247e-02, 5.5166e-06, 9.4875e-03],
[9.1571e+01, 7.4669e-01, 1.8089e+00],
[4.5405e-02, 1.8559e-06, 6.6830e-03],
[1.1102e+01, 1.8022e-02, 5.2771e-01],
[1.6748e+01, 1.5698e-02, 1.3519e+00],
[1.4847e-01, 5.9491e-06, 2.1653e-02],
[2.8907e+01, 5.1417e-02, 1.4009e+00],
[1.5251e+00, 3.8085e-04, 1.0858e-01],
[2.0263e+00, 6.9933e-04, 1.5466e-01],
[3.8667e+01, 3.9498e-02, 2.2475e+00],
[1.4365e+01, 2.4340e-02, 9.2261e-01],
[1.2109e+01, 1.5693e-02, 7.0555e-01],
[6.1563e+01, 1.7529e+00, 2.7977e+00],
[6.8541e-01, 2.1920e-05, 6.9352e-02],
[3.7264e+00, 1.2395e-03, 4.8774e-01],
[3.7800e+01, 3.4006e-01, 1.7512e+00],
[5.2427e+00, 5.5378e-03, 2.9327e-01],
[5.1743e-03, 1.9113e-08, 8.1410e-04],
[1.2768e+02, 2.8653e+00, 3.2460e+00],
[2.4504e-01, 3.4029e-05, 2.8186e-02],
[8.7511e+00, 3.3431e-02, 4.7206e-01],
[1.3583e+01, 5.6147e-02, 6.8107e-01],
[3.7005e+00, 4.8127e-03, 2.7884e-01],
[1.0798e-01, 2.8183e-06, 1.3256e-02],
[1.2811e+01, 6.3566e-03, 5.4851e-01],
[4.7569e+01, 1.9966e-01, 1.6455e+00],
[7.6213e+01, 3.0711e-01, 3.7154e+00],
[3.8973e-01, 9.7912e-05, 4.7312e-02],
[7.7819e+01, 2.0757e-01, 2.6367e+00],
[4.1042e+00, 1.3955e-03, 1.7366e-01]], dtype=torch.float64)
Iteration: 101
Inputs: tensor([[3.1241e+18, 2.3533e+02, 3.1006e+00, 7.9453e+00],
               [2.6400e+19, 2.1546e+02, 1.3516e+01, 4.5909e+00],
               [1.0511e+19, 4.3445e+02, 1.2126e+01, 8.0750e+00],
               ...,
               [4.9862e+19, 3.6579e+02, 5.9820e+00, 1.7911e+00],
               [5.8113e+18, 3.6643e+02, 1.7244e+01, 7.4379e+00],
               [5.7400e+19, 3.1229e+02, 1.9973e+01, 6.7145e+00]]), dtype=torch.float64)
Target: tensor([[1.0115e+00, 1.7210e-04, 7.6837e-02],
               [4.6465e+00, 4.6102e-03, 3.5535e-01],
               [5.3320e+00, 6.4236e-03, 2.7445e-01],
               [1.1979e+01, 4.9368e-02, 1.0750e+00],

```

[5.5203e-01, 1.8586e-04, 7.8255e-02],  
 [3.5877e+01, 8.5042e-02, 1.5369e+00],  
 [1.4450e+02, 2.9281e+00, 3.2484e+00],  
 [4.7248e-01, 9.7119e-05, 5.9978e-02],  
 [5.2040e-03, 3.6799e-08, 8.2376e-04],  
 [7.6912e-02, 6.1123e-07, 1.0684e-02],  
 [1.7607e-01, 1.7599e-05, 2.0616e-02],  
 [4.8257e+00, 4.8836e-03, 2.2913e-01],  
 [1.0254e+01, 4.2960e-02, 5.2054e-01],  
 [2.0377e+01, 1.3110e-01, 8.3334e-01],  
 [3.0710e-01, 2.1622e-05, 3.2939e-02],  
 [5.1640e+01, 5.1164e-01, 1.5388e+00],  
 [3.8427e-01, 1.0505e-05, 3.7189e-02],  
 [1.6446e-01, 1.8659e-05, 2.1375e-02],  
 [3.4646e+01, 2.4868e-02, 1.6593e+00],  
 [8.8597e+01, 3.2673e-01, 3.7813e+00],  
 [1.1535e+02, 1.2325e+00, 2.1108e+00],  
 [2.2617e+01, 1.3748e-01, 8.1388e-01],  
 [3.7140e+00, 1.3223e-03, 2.4205e-01],  
 [2.2510e+01, 6.7036e-02, 8.3789e-01],  
 [5.1482e-02, 9.0153e-07, 6.6091e-03],  
 [1.3079e+01, 2.5293e-02, 7.2003e-01],  
 [2.8430e+00, 3.0507e-04, 1.3239e-01],  
 [1.5829e+00, 2.4844e-04, 1.5413e-01],  
 [1.7249e-01, 5.0752e-06, 2.1016e-02],  
 [2.6621e+01, 3.8924e-02, 7.4971e-01],  
 [2.4849e-01, 4.1468e-06, 3.3329e-02],  
 [1.2797e+01, 6.0210e-03, 4.8469e-01],  
 [1.4167e+00, 6.4271e-04, 1.1581e-01],  
 [6.9233e+01, 1.6482e+00, 1.9230e+00],  
 [4.4107e-01, 6.3692e-05, 4.6130e-02],  
 [1.7209e+01, 2.4315e-01, 1.3192e+00],  
 [3.7469e+01, 4.1638e-02, 1.2285e+00],  
 [2.4612e+00, 3.3743e-04, 2.0658e-01],  
 [3.8341e-01, 3.4885e-05, 4.3946e-02],  
 [1.5919e+00, 1.0183e-03, 1.3779e-01],  
 [2.8169e+00, 3.2357e-03, 1.7457e-01],  
 [3.3026e-01, 2.2023e-05, 3.4726e-02],  
 [1.2209e-01, 9.0774e-07, 1.5580e-02],  
 [1.6088e-01, 4.2483e-06, 2.1817e-02],  
 [5.9878e-01, 2.1457e-04, 5.4836e-02],  
 [1.8609e+01, 1.1113e-01, 7.3431e-01],  
 [3.9451e+01, 1.7886e-01, 1.5645e+00],  
 [7.8103e+01, 1.4023e+00, 2.0133e+00],  
 [1.2335e+02, 2.7785e+00, 3.2319e+00],  
 [2.6659e-01, 4.4337e-05, 2.8590e-02],  
 [2.5646e+01, 1.4347e-01, 8.6775e-01],  
 [2.4432e-01, 3.7993e-05, 2.5148e-02],

[3.2413e-04, 9.1933e-12, 5.3266e-05],  
 [1.9686e+02, 5.4914e+00, 3.4572e+00],  
 [1.4408e-01, 7.2159e-06, 1.6033e-02],  
 [1.9482e+02, 6.2606e+00, 4.9046e+00],  
 [2.4374e+00, 1.4787e-04, 1.7013e-01],  
 [1.9067e+01, 2.4786e-02, 7.3632e-01],  
 [9.1574e+01, 3.1025e-01, 3.1806e+00],  
 [2.4085e+01, 3.9042e-02, 2.0707e+00],  
 [1.1546e+01, 4.6530e-02, 5.5901e-01],  
 [1.0293e+02, 2.8956e+00, 3.9721e+00],  
 [1.5349e+02, 2.6260e+00, 2.8921e+00],  
 [2.9849e+01, 1.7873e-01, 1.3672e+00],  
 [6.2008e-02, 4.8327e-07, 7.9278e-03],  
 [2.8882e+01, 3.1160e-01, 9.9473e-01],  
 [1.5046e+00, 2.1444e-04, 1.6786e-01],  
 [9.9944e+01, 2.0412e+00, 3.8580e+00],  
 [1.6323e-01, 1.4959e-06, 1.7332e-02],  
 [5.4128e+01, 1.5314e-01, 2.7403e+00],  
 [1.6446e+01, 4.8794e-02, 6.1306e-01],  
 [2.1241e+01, 8.2353e-02, 7.8188e-01],  
 [1.6375e+01, 4.4558e-02, 9.7966e-01],  
 [6.1141e+01, 3.7394e-01, 1.8406e+00],  
 [1.6782e-01, 4.9909e-06, 2.0643e-02],  
 [6.8024e-01, 9.7708e-05, 5.2615e-02],  
 [1.0888e+02, 1.3970e+00, 2.6063e+00],  
 [2.8334e+00, 7.1262e-04, 2.1224e-01],  
 [7.2282e+01, 2.8318e-01, 3.7343e+00],  
 [8.1911e+01, 5.4722e-01, 1.4957e+00],  
 [1.0905e-01, 5.8647e-07, 1.3844e-02],  
 [1.6003e+01, 7.8820e-03, 5.1344e-01],  
 [3.2665e-04, 3.5619e-11, 5.3472e-05],  
 [6.3993e+01, 1.1151e+00, 1.6172e+00],  
 [9.0275e+01, 1.3364e+00, 1.7631e+00],  
 [3.6585e+01, 1.7283e-01, 1.3151e+00],  
 [1.2295e+02, 2.5683e+00, 2.9479e+00],  
 [6.1094e+01, 4.6877e-01, 2.6873e+00],  
 [1.0194e+02, 3.0593e+00, 2.6757e+00],  
 [1.2087e+00, 7.0015e-05, 7.2138e-02],  
 [1.3705e+00, 7.4902e-05, 1.1741e-01],  
 [1.6066e-01, 6.9136e-06, 2.0582e-02],  
 [5.7962e+01, 6.2843e-01, 1.8028e+00],  
 [3.1711e-01, 8.5096e-05, 4.2410e-02],  
 [7.1741e-01, 1.3895e-04, 8.5931e-02],  
 [9.1420e-01, 2.1316e-04, 6.4663e-02],  
 [5.7946e+00, 3.1963e-03, 3.1462e-01],  
 [5.2283e+00, 1.3866e-02, 4.0902e-01],  
 [4.1549e-02, 2.8202e-07, 6.0821e-03],  
 [4.6205e-01, 1.7993e-04, 5.7336e-02],

[1.9833e+00, 2.3484e-03, 1.9591e-01],  
[7.7146e+00, 3.1921e-03, 5.5574e-01],  
[1.7540e+00, 3.0891e-04, 9.8564e-02],  
[6.1739e+01, 3.4127e-01, 2.8898e+00],  
[8.9874e-01, 4.2002e-04, 8.9120e-02],  
[6.4767e+01, 5.8833e-01, 1.3624e+00],  
[3.6747e-02, 7.3731e-07, 4.9142e-03],  
[6.7999e+00, 1.1097e-02, 5.4458e-01],  
[5.3729e+01, 5.0189e-01, 1.2364e+00],  
[5.7121e+01, 4.2664e-02, 1.8458e+00],  
[2.8465e+01, 1.5903e-01, 1.1723e+00],  
[2.0712e+01, 2.0127e-01, 1.2226e+00],  
[1.1323e-01, 7.9994e-06, 1.4560e-02],  
[4.9556e+01, 3.2899e-01, 1.9814e+00],  
[1.0586e-01, 4.2852e-06, 1.3496e-02],  
[9.1559e-01, 2.2574e-04, 1.1719e-01],  
[2.3738e-01, 1.4795e-05, 2.3346e-02],  
[4.1815e-01, 5.5881e-05, 4.3408e-02],  
[2.7854e+01, 4.9073e-02, 1.0124e+00],  
[1.9323e+02, 4.1110e+00, 3.3656e+00],  
[1.4887e+01, 3.1907e-02, 6.7526e-01],  
[1.8163e-01, 5.9540e-06, 2.1417e-02],  
[2.8620e+02, 6.6291e+00, 5.1224e+00],  
[1.6698e-02, 2.1198e-07, 2.4071e-03],  
[8.3327e+01, 1.0044e+00, 1.6240e+00],  
[2.9868e+01, 2.8126e-01, 1.4179e+00],  
[9.9785e+01, 1.8057e+00, 2.3759e+00],  
[1.2163e+01, 5.0830e-02, 8.9422e-01],  
[1.2005e+02, 6.6720e-01, 2.7220e+00],  
[1.6602e+02, 5.6686e+00, 4.6446e+00],  
[1.5271e-02, 1.4063e-07, 2.2439e-03],  
[3.7236e+01, 3.5516e-01, 2.0221e+00],  
[5.3370e+01, 3.1757e-02, 3.1967e+00],  
[8.9092e-02, 2.8262e-06, 1.3522e-02],  
[7.1704e+00, 8.9847e-03, 3.0126e-01],  
[2.3068e+01, 1.1475e-01, 1.2219e+00],  
[4.5655e+00, 2.1141e-03, 3.6517e-01],  
[2.4211e-02, 4.4366e-08, 3.4084e-03],  
[6.9278e+01, 2.4747e-01, 1.6970e+00],  
[3.7290e-03, 1.2322e-08, 5.8817e-04],  
[1.0955e+02, 1.6800e+00, 2.4946e+00],  
[1.9172e+00, 4.3140e-04, 2.2056e-01],  
[1.1256e+02, 1.3840e+00, 3.3540e+00],  
[5.8621e+00, 4.0370e-03, 2.3331e-01],  
[3.1895e-02, 8.4608e-08, 4.4943e-03],  
[2.4494e+01, 4.9924e-03, 8.0506e-01],  
[7.7363e-01, 2.3823e-04, 6.0168e-02],  
[1.1123e+01, 1.0510e-02, 3.6820e-01],

[2.0576e-01, 4.6232e-06, 2.4096e-02],  
 [9.5816e-01, 7.3702e-05, 7.9714e-02],  
 [6.5166e-02, 1.4751e-06, 9.8776e-03],  
 [1.8739e-01, 1.0965e-05, 2.7319e-02],  
 [2.9992e+01, 1.2084e-01, 7.9277e-01],  
 [4.3170e+01, 1.9253e-01, 2.2322e+00],  
 [2.8098e-01, 4.3831e-05, 2.9772e-02],  
 [3.5981e+01, 1.9674e-01, 8.8729e-01],  
 [1.7133e+02, 8.1571e-01, 2.9912e+00],  
 [9.1261e-02, 1.1106e-06, 1.2333e-02],  
 [1.0864e+00, 5.0609e-05, 1.1724e-01],  
 [2.7805e+01, 3.0794e-02, 1.7158e+00],  
 [1.7123e+02, 3.1993e+00, 2.8596e+00],  
 [2.5168e+01, 5.5683e-03, 7.3350e-01],  
 [5.1713e+00, 2.3981e-03, 2.0945e-01],  
 [2.1212e+01, 1.7593e-01, 1.2979e+00],  
 [7.5944e-03, 7.9950e-08, 1.1597e-03],  
 [6.1412e+01, 6.9505e-01, 2.0504e+00],  
 [1.0279e+02, 5.6438e-01, 4.0375e+00],  
 [1.2491e-01, 2.1210e-06, 1.8388e-02],  
 [1.6252e+01, 9.6832e-02, 7.4271e-01],  
 [3.4995e+00, 5.9023e-04, 1.9808e-01],  
 [2.6094e+00, 9.2639e-04, 2.6859e-01],  
 [4.1426e+01, 9.8612e-02, 1.3004e+00],  
 [1.0917e+02, 6.7170e-01, 3.9254e+00],  
 [1.3878e-02, 2.0079e-07, 2.1440e-03],  
 [2.0313e+01, 1.5255e-02, 7.7194e-01],  
 [9.2395e+00, 4.3444e-02, 6.5243e-01],  
 [6.6021e-01, 7.8410e-04, 8.8223e-02],  
 [9.7231e-02, 5.9253e-07, 1.4277e-02],  
 [1.2267e+02, 1.0277e+00, 2.2633e+00],  
 [6.5986e+00, 1.5080e-02, 7.1030e-01],  
 [1.6323e+01, 5.3466e-02, 6.8995e-01],  
 [1.7351e+02, 1.8056e-01, 3.8875e+00],  
 [3.3263e+01, 2.1749e-01, 8.4325e-01],  
 [2.6402e+01, 1.2609e-01, 1.1546e+00],  
 [4.4625e+00, 1.3883e-03, 3.2997e-01],  
 [1.3286e-01, 6.9658e-06, 1.7747e-02],  
 [5.0114e+01, 1.4418e-01, 1.9009e+00],  
 [1.4967e+00, 3.4988e-04, 9.1961e-02],  
 [9.3103e+00, 7.6734e-03, 6.3205e-01],  
 [2.1012e+02, 2.0410e+00, 4.6119e+00],  
 [1.0245e-01, 4.1429e-06, 1.2404e-02],  
 [1.4372e+01, 1.8638e-02, 5.9949e-01],  
 [9.6242e+01, 1.2954e+00, 3.5417e+00],  
 [6.5761e+00, 4.2297e-03, 2.7012e-01],  
 [3.1860e-01, 1.7657e-05, 3.2143e-02],  
 [4.8756e+00, 5.5382e-04, 4.4545e-01],

[2.4511e+00, 1.6889e-03, 2.6862e-01],  
 [7.2198e+00, 1.1434e-02, 3.9924e-01],  
 [2.0525e+01, 2.1038e-02, 8.1773e-01],  
 [1.8261e+01, 1.6506e-01, 1.0721e+00],  
 [6.1548e-01, 1.7025e-04, 8.6494e-02],  
 [2.3415e+00, 1.5987e-03, 2.8692e-01],  
 [9.7326e-01, 1.9605e-04, 7.5361e-02],  
 [6.6141e-01, 2.7610e-04, 6.6251e-02],  
 [7.7988e-01, 4.3963e-05, 8.3781e-02],  
 [1.2218e+00, 7.3533e-04, 1.2266e-01],  
 [1.4496e+01, 4.4073e-02, 8.4218e-01],  
 [9.8298e+01, 1.1149e+00, 3.1098e+00],  
 [3.6143e+01, 2.7745e-01, 1.9130e+00],  
 [2.7860e+00, 3.2946e-03, 2.0576e-01],  
 [7.2099e+01, 2.1437e+00, 3.7435e+00],  
 [1.0931e+01, 2.0105e-02, 7.3551e-01],  
 [2.0665e-01, 3.2305e-05, 2.5966e-02],  
 [2.7769e+01, 2.5147e-02, 1.7388e+00],  
 [7.5265e+00, 1.2089e-02, 3.9996e-01],  
 [1.3703e-01, 8.0423e-06, 1.4618e-02],  
 [9.4736e+01, 1.4367e+00, 3.6631e+00],  
 [1.9065e+01, 8.3574e-02, 1.8159e+00],  
 [6.0701e+01, 1.5392e-01, 2.1944e+00],  
 [7.7187e+01, 1.6608e+00, 3.2438e+00],  
 [6.1801e-02, 1.6009e-06, 9.3461e-03],  
 [1.0471e+02, 6.6249e-01, 2.7619e+00],  
 [1.0243e-01, 7.3802e-06, 1.2357e-02],  
 [1.4628e+01, 3.7591e-03, 6.1875e-01],  
 [1.7752e+01, 1.5420e-01, 1.0903e+00],  
 [1.8746e+00, 4.3043e-04, 1.0945e-01],  
 [3.4954e+00, 7.9340e-04, 2.8234e-01],  
 [1.7265e+00, 8.3979e-04, 1.3210e-01],  
 [3.3474e+00, 2.9257e-03, 2.1825e-01],  
 [2.5319e+00, 3.5680e-03, 2.0380e-01],  
 [9.8951e-01, 5.8163e-04, 9.1328e-02],  
 [1.7162e+00, 1.5141e-03, 1.7176e-01],  
 [6.3541e+01, 2.3411e-02, 2.4885e+00],  
 [2.9005e-01, 2.7959e-05, 3.2306e-02],  
 [1.3460e-01, 6.6674e-06, 1.7487e-02],  
 [9.1002e+00, 2.6653e-02, 4.7184e-01],  
 [9.4750e+01, 2.8366e+00, 3.4958e+00],  
 [5.0910e+00, 5.1149e-03, 2.7065e-01],  
 [2.5712e-03, 2.1081e-09, 4.1191e-04],  
 [6.5915e+00, 7.4854e-03, 3.7804e-01],  
 [3.2791e+00, 2.2869e-03, 2.4360e-01],  
 [6.6740e+01, 1.0449e+00, 2.6958e+00],  
 [5.1322e+00, 9.6669e-03, 3.5802e-01],  
 [1.1298e+02, 3.6560e+00, 2.8403e+00],

[1.0415e+02, 6.5918e-01, 4.2291e+00],  
[2.5112e-02, 1.0460e-07, 3.6578e-03],  
[1.0879e+02, 1.8145e+00, 2.2786e+00],  
[2.5948e-01, 1.0966e-06, 3.1832e-02],  
[4.0147e+01, 1.7146e-02, 9.4575e-01],  
[2.8135e-02, 5.5005e-07, 4.1184e-03],  
[6.2213e-02, 6.3588e-07, 8.6027e-03],  
[2.5495e-02, 7.6812e-07, 3.8197e-03],  
[7.6168e+01, 8.0208e-01, 3.0721e+00],  
[3.8887e+00, 4.4746e-03, 2.5573e-01],  
[6.4735e+01, 3.8354e-01, 2.2287e+00],  
[5.5061e+00, 1.5822e-02, 3.8281e-01],  
[3.6953e+00, 1.0288e-03, 2.5229e-01],  
[2.0237e+02, 6.7859e+00, 4.7404e+00],  
[9.5815e-01, 6.0118e-04, 1.0813e-01],  
[9.5781e-02, 5.5190e-06, 1.2487e-02],  
[3.8589e-01, 5.2734e-05, 4.6305e-02],  
[3.6117e+00, 1.4481e-03, 2.8203e-01],  
[2.3892e+00, 1.3747e-03, 1.4260e-01],  
[3.4611e+01, 2.0881e-01, 1.0182e+00],  
[4.0592e+01, 4.0431e-01, 1.0333e+00],  
[1.0256e+00, 2.6553e-04, 1.0569e-01],  
[1.3855e+00, 2.8763e-04, 1.1717e-01],  
[1.2718e+00, 5.8521e-04, 1.2756e-01],  
[5.4183e+01, 2.0847e-01, 2.7513e+00],  
[9.2025e+01, 8.6627e-01, 1.9659e+00],  
[6.1941e+01, 8.8040e-01, 3.0468e+00],  
[2.7146e-02, 1.7995e-07, 4.1808e-03],  
[5.0663e+01, 8.0477e-02, 1.7560e+00],  
[1.0712e+01, 1.6635e-02, 6.0719e-01],  
[5.2582e+00, 3.5800e-03, 2.3707e-01],  
[2.2758e-01, 1.0087e-05, 2.4432e-02],  
[1.9821e+01, 2.4728e-02, 7.7518e-01],  
[4.9346e+01, 8.2487e-01, 1.6863e+00],  
[2.5209e+02, 7.7644e+00, 3.9654e+00],  
[2.0295e+00, 4.5731e-04, 1.3841e-01],  
[1.7962e+01, 1.9827e-01, 1.5094e+00],  
[1.1374e+02, 1.6567e+00, 2.6077e+00],  
[2.3990e-01, 4.8204e-05, 2.4400e-02],  
[1.0033e-03, 6.5072e-11, 1.6261e-04],  
[7.1681e+00, 2.2092e-03, 4.6110e-01],  
[2.4010e+01, 8.7866e-02, 9.9827e-01],  
[2.2494e-01, 2.2581e-05, 2.4256e-02],  
[4.9340e-01, 8.8766e-05, 4.0999e-02],  
[3.5382e+01, 4.0634e-01, 1.3676e+00],  
[5.8709e-02, 7.7122e-07, 7.6930e-03],  
[3.9063e-01, 8.4381e-05, 3.6169e-02],  
[1.6511e+01, 4.1018e-02, 7.2005e-01],



```

[1.6966e+01, 6.2703e-02, 1.1311e+00],
[4.4149e+00, 9.0206e-04, 3.2556e-01],
[9.0110e-01, 1.7845e-04, 9.1341e-02],
[3.6661e-01, 1.0727e-04, 4.7251e-02],
[1.4728e-02, 4.0368e-08, 2.2212e-03],
[3.6559e-01, 1.6033e-05, 3.5298e-02],
[8.4547e-02, 9.6949e-07, 1.0876e-02],
[2.7077e+02, 8.0072e+00, 4.2754e+00],
[1.1548e+01, 5.4716e-02, 6.0350e-01],
[1.9548e+01, 4.7552e-02, 5.6935e-01],
[7.7839e+01, 2.1609e-01, 1.6503e+00],
[3.2005e-01, 4.8161e-05, 4.0063e-02],
[1.4240e+00, 2.1453e-04, 1.1399e-01],
[2.0264e+00, 3.3862e-04, 2.1610e-01],
[1.1068e+01, 1.5846e-02, 5.2713e-01],
[3.2551e+02, 3.9170e+00, 4.9504e+00],
[3.4174e+01, 1.8774e-02, 1.4737e+00],
[8.5948e+00, 1.4405e-02, 3.7868e-01],
[3.6417e-03, 9.8401e-10, 5.7399e-04],
[7.7067e-01, 2.0970e-04, 6.7072e-02],
[5.1938e+00, 4.9740e-03, 6.0283e-01],
[1.3086e+02, 2.0208e+00, 3.2201e+00],
[2.0585e+02, 3.5626e+00, 3.4083e+00],
[7.7445e+01, 1.4130e+00, 2.4342e+00],
[6.0818e+01, 5.7393e-01, 2.2852e+00],
[1.6754e+01, 6.9802e-03, 7.9039e-01],
[1.4377e+00, 8.0298e-04, 1.1570e-01],
[1.8340e+01, 1.1138e-01, 8.6161e-01]], dtype=torch.float64)
Iteration: 102
Inputs: tensor([[9.9875e+18, 5.3412e+01, 1.4692e+01, 8.6596e+00],
[2.7184e+20, 3.5105e+02, 3.1389e+00, 6.8742e+00],
[1.0747e+18, 4.6342e+02, 1.6692e+01, 2.8906e+00],
...,
[5.5406e+18, 8.5055e+01, 1.1701e+01, 7.4869e+00],
[4.4171e+18, 4.9547e+02, 1.5000e+01, 2.1833e+00],
[2.1116e+20, 4.4671e+02, 1.6401e+01, 8.8802e+00]], dtype=torch.float64)
Target: tensor([[1.8239e-01, 4.0590e-05, 2.5109e-02],
[1.2625e+02, 1.2052e+00, 2.5547e+00],
[4.5394e-02, 5.4615e-07, 5.9575e-03],
[2.4697e+02, 5.9209e+00, 4.4844e+00],
[2.4049e+01, 2.9121e-02, 1.2947e+00],
[6.4888e+00, 2.4102e-03, 3.3619e-01],
[3.1450e+01, 3.4870e-01, 1.1371e+00],
[3.9791e-01, 4.1721e-05, 3.2853e-02],
[3.7527e+01, 3.7208e-01, 1.8961e+00],
[4.3416e+00, 6.3552e-03, 2.9789e-01],
[2.7255e+01, 1.3230e-01, 9.1135e-01],
[7.1987e-01, 1.1889e-04, 8.0192e-02],

```

[1.0353e+02, 1.1416e+00, 3.3319e+00],  
 [7.9943e+01, 4.8455e-01, 2.3812e+00],  
 [2.7321e+00, 1.0644e-02, 2.9580e-01],  
 [4.9522e+00, 3.2600e-03, 2.2601e-01],  
 [5.3123e-01, 4.2227e-05, 3.5993e-02],  
 [1.7901e+01, 6.1045e-02, 7.2782e-01],  
 [5.4355e+00, 1.5750e-03, 3.2284e-01],  
 [1.9510e+00, 5.2968e-04, 2.5311e-01],  
 [2.0999e+01, 2.1207e-01, 1.1792e+00],  
 [8.5373e+00, 1.7135e-02, 3.9785e-01],  
 [9.7361e-02, 5.8053e-06, 1.1289e-02],  
 [1.4510e+02, 2.1515e+00, 3.8079e+00],  
 [1.4442e+02, 3.6394e+00, 2.8362e+00],  
 [1.0495e+00, 2.2297e-04, 8.5452e-02],  
 [6.4338e-01, 2.9928e-05, 5.1374e-02],  
 [5.4788e+01, 9.6063e-02, 1.4837e+00],  
 [1.3044e+00, 1.1460e-04, 1.1042e-01],  
 [8.9071e-02, 3.5099e-06, 1.0791e-02],  
 [9.4071e+01, 5.0121e-01, 2.9336e+00],  
 [1.3885e-01, 7.3304e-06, 2.0376e-02],  
 [2.0538e+00, 5.4840e-04, 1.7433e-01],  
 [6.5180e+01, 4.9187e-02, 2.5638e+00],  
 [1.6358e+00, 1.7429e-04, 1.3785e-01],  
 [1.2180e+02, 2.9756e-01, 2.6858e+00],  
 [1.9638e+01, 2.5227e-02, 1.4404e+00],  
 [3.1236e+01, 8.1091e-02, 1.0508e+00],  
 [2.8024e+00, 9.4904e-04, 3.4811e-01],  
 [5.6017e+00, 2.0869e-02, 4.0347e-01],  
 [2.6741e-03, 6.6151e-09, 4.2684e-04],  
 [9.8113e+00, 4.4326e-02, 8.2151e-01],  
 [1.7944e+01, 9.5036e-02, 1.5172e+00],  
 [1.7138e+01, 4.4072e-02, 7.3283e-01],  
 [5.1002e-01, 6.2260e-05, 4.0339e-02],  
 [5.4699e+00, 5.3605e-03, 3.1150e-01],  
 [5.0706e+00, 3.4969e-03, 3.9852e-01],  
 [1.7391e+02, 4.1957e+00, 3.4083e+00],  
 [8.9395e-01, 5.9284e-05, 7.5509e-02],  
 [1.3859e+02, 3.0892e+00, 4.2904e+00],  
 [2.9308e-02, 4.2181e-07, 4.1259e-03],  
 [1.1506e+01, 1.3526e-02, 7.3687e-01],  
 [1.1198e+02, 1.3930e+00, 3.4905e+00],  
 [2.7229e+01, 3.7516e-01, 1.3190e+00],  
 [5.7948e+00, 2.4031e-02, 4.8001e-01],  
 [2.0745e+02, 6.1487e+00, 4.8499e+00],  
 [2.3790e+00, 4.2090e-04, 1.2738e-01],  
 [1.0431e-01, 6.3386e-06, 1.2780e-02],  
 [2.9998e+01, 2.1574e-01, 1.7127e+00],  
 [1.5166e+02, 1.4468e+00, 4.2405e+00],

[1.6836e+00, 7.4828e-05, 1.3388e-01],  
[7.5330e-01, 8.8144e-05, 5.2409e-02],  
[1.6875e+01, 7.3377e-02, 7.5249e-01],  
[1.5975e+00, 6.4271e-04, 1.4239e-01],  
[9.5079e-01, 3.4065e-04, 1.0659e-01],  
[5.2957e+00, 5.2808e-03, 4.1537e-01],  
[1.6898e+02, 2.6737e+00, 3.6443e+00],  
[3.3756e-02, 1.2253e-06, 4.8101e-03],  
[7.4748e-02, 1.6629e-06, 1.0665e-02],  
[2.2752e+02, 1.1268e+00, 4.0664e+00],  
[5.4828e+01, 3.7127e-01, 2.9588e+00],  
[7.6013e+01, 1.2447e-01, 2.0434e+00],  
[1.6157e+01, 1.1202e-02, 6.3680e-01],  
[1.3049e+02, 2.4806e+00, 2.7954e+00],  
[1.5505e+02, 6.4832e-01, 2.7832e+00],  
[2.9363e+00, 1.9681e-03, 2.1937e-01],  
[8.8475e+01, 2.1883e+00, 2.5437e+00],  
[4.8874e+00, 9.9735e-03, 3.5132e-01],  
[7.7930e+01, 1.2050e+00, 2.7918e+00],  
[2.3428e+02, 5.4824e+00, 4.9410e+00],  
[3.0665e+00, 3.6671e-03, 2.2175e-01],  
[1.1828e+02, 1.2277e+00, 3.1978e+00],  
[1.0400e+00, 3.2489e-04, 8.9363e-02],  
[7.5656e+01, 7.0713e-01, 2.6795e+00],  
[7.2217e+01, 1.9069e-01, 1.7445e+00],  
[1.6047e+01, 5.1506e-02, 1.0761e+00],  
[3.2231e+00, 1.3151e-03, 3.1461e-01],  
[1.0954e-01, 4.1217e-06, 1.2642e-02],  
[8.7172e-01, 9.3965e-05, 9.9475e-02],  
[1.4790e+01, 6.5481e-02, 1.0019e+00],  
[1.5515e+01, 1.1778e-02, 6.7794e-01],  
[4.3690e+01, 2.2450e-01, 1.6549e+00],  
[1.4859e-01, 1.1059e-05, 1.7125e-02],  
[4.1927e-01, 3.8809e-05, 4.3704e-02],  
[2.1360e-02, 7.6356e-08, 3.1200e-03],  
[5.9527e+01, 1.7919e-01, 2.4189e+00],  
[1.3464e-01, 1.3310e-06, 1.9016e-02],  
[6.3196e+01, 7.4246e-01, 2.6237e+00],  
[2.0430e+00, 9.1294e-04, 1.4576e-01],  
[7.3768e+01, 6.7302e-01, 1.9463e+00],  
[1.3188e+01, 3.4078e-02, 1.0248e+00],  
[9.9239e+00, 4.5311e-02, 5.2595e-01],  
[3.1414e+00, 8.8456e-04, 3.7226e-01],  
[1.0022e-02, 3.3351e-08, 1.5213e-03],  
[1.2693e+02, 1.0439e+00, 2.8367e+00],  
[1.0844e+02, 2.0674e+00, 2.7638e+00],  
[1.7574e+00, 1.2568e-03, 1.4984e-01],  
[9.5119e+01, 7.9535e-01, 1.7225e+00],

[1.2304e+00, 2.3298e-03, 1.4566e-01],  
 [8.9493e+01, 1.9456e+00, 2.8165e+00],  
 [7.8096e+00, 1.5581e-02, 3.7003e-01],  
 [3.1431e+01, 7.0576e-02, 1.5131e+00],  
 [4.3948e+01, 4.2173e-02, 2.5572e+00],  
 [1.8643e+01, 7.5969e-02, 7.7837e-01],  
 [1.6919e+01, 2.5565e-02, 8.6046e-01],  
 [1.2768e+01, 2.0741e-02, 4.6552e-01],  
 [2.4514e+00, 6.6391e-04, 1.2702e-01],  
 [1.7074e+01, 4.2666e-02, 1.2032e+00],  
 [7.0617e-01, 1.7781e-04, 5.9362e-02],  
 [6.3714e+00, 1.8769e-03, 4.9591e-01],  
 [3.5709e+01, 4.7530e-01, 1.0750e+00],  
 [2.8271e-01, 1.6245e-05, 3.0797e-02],  
 [2.9900e+00, 5.4134e-03, 3.1554e-01],  
 [1.6919e+01, 1.1393e-01, 8.6570e-01],  
 [2.1887e+00, 4.8978e-04, 1.9945e-01],  
 [1.5437e+01, 3.2479e-02, 8.6719e-01],  
 [2.9659e+01, 8.3473e-02, 2.3507e+00],  
 [5.7045e+00, 1.2719e-02, 5.9701e-01],  
 [1.2745e+01, 2.9496e-02, 8.5751e-01],  
 [5.6592e+00, 1.2962e-02, 5.3346e-01],  
 [2.2537e+00, 1.8556e-03, 1.9971e-01],  
 [6.3854e-01, 3.1429e-04, 7.3205e-02],  
 [7.0252e+01, 1.9315e-01, 2.2058e+00],  
 [2.5364e+00, 7.7445e-04, 2.6954e-01],  
 [1.4416e+00, 3.0787e-04, 1.7128e-01],  
 [1.1743e-01, 1.1852e-05, 1.4313e-02],  
 [6.1461e+01, 1.0537e+00, 2.0851e+00],  
 [3.0837e+01, 2.4919e-01, 9.5647e-01],  
 [3.3668e-02, 3.7937e-07, 5.0275e-03],  
 [1.2779e+00, 4.6536e-04, 1.4364e-01],  
 [5.6460e+01, 1.3626e-01, 1.2973e+00],  
 [2.5332e+01, 1.6468e-01, 9.3194e-01],  
 [5.6808e-01, 1.1368e-04, 4.3216e-02],  
 [8.4507e+00, 3.6938e-03, 3.9379e-01],  
 [9.0009e+00, 2.0818e-03, 4.1904e-01],  
 [3.4553e-02, 1.9692e-07, 5.0342e-03],  
 [8.8153e+00, 5.1433e-02, 7.6802e-01],  
 [9.5596e-02, 1.4022e-06, 1.1590e-02],  
 [1.9142e+02, 1.0823e+00, 4.3962e+00],  
 [1.8581e-01, 9.1989e-06, 1.9448e-02],  
 [7.7843e+01, 6.4039e-01, 2.1593e+00],  
 [3.9142e-01, 4.4004e-05, 4.0725e-02],  
 [7.8054e+01, 4.2227e-01, 2.2700e+00],  
 [4.2334e+01, 2.5736e-01, 1.6675e+00],  
 [5.8917e+01, 3.6777e-01, 3.3369e+00],  
 [3.1154e-02, 7.9277e-08, 4.3820e-03],

[2.1648e+01, 8.7707e-02, 8.5876e-01],  
[3.8225e-02, 5.5795e-07, 5.1699e-03],  
[1.4928e+01, 6.8134e-02, 8.6188e-01],  
[1.1931e-01, 8.7048e-07, 1.7308e-02],  
[4.0094e+00, 4.1383e-03, 2.8614e-01],  
[1.6716e+02, 8.6015e-02, 3.8957e+00],  
[1.5165e-01, 1.2389e-05, 2.0402e-02],  
[4.9207e+01, 1.2213e-01, 1.3353e+00],  
[9.0996e+00, 1.2496e-02, 9.1392e-01],  
[2.0009e+02, 6.5777e+00, 4.5328e+00],  
[2.0623e+00, 3.8643e-04, 1.0204e-01],  
[1.3440e+02, 4.0256e+00, 3.1646e+00],  
[2.0889e+00, 7.1986e-04, 1.8736e-01],  
[9.7911e-01, 5.1216e-04, 8.2620e-02],  
[4.8764e-02, 3.6602e-07, 6.5671e-03],  
[8.1012e+01, 6.6678e-01, 1.3624e+00],  
[3.8011e-01, 2.2759e-05, 3.3944e-02],  
[9.6935e+01, 2.3723e+00, 3.2165e+00],  
[6.3695e-02, 6.1414e-07, 9.1289e-03],  
[1.4019e-01, 9.3075e-06, 1.7053e-02],  
[1.5296e+02, 1.7811e+00, 3.4913e+00],  
[2.2080e+01, 1.7319e-02, 1.0071e+00],  
[1.5415e+01, 3.1097e-02, 6.2195e-01],  
[5.4544e-01, 2.4848e-05, 4.8422e-02],  
[5.7719e+00, 9.8956e-03, 3.7655e-01],  
[3.5743e+01, 2.2803e-01, 1.4214e+00],  
[9.8972e+00, 1.6618e-02, 6.1381e-01],  
[2.1498e+01, 5.2530e-02, 7.3798e-01],  
[1.0209e+02, 2.1357e+00, 2.2921e+00],  
[2.0039e+02, 1.2391e-01, 3.8790e+00],  
[1.5514e+01, 5.5700e-03, 1.0701e+00],  
[2.5576e-02, 2.0228e-07, 3.6013e-03],  
[2.9360e-01, 2.9720e-05, 3.4827e-02],  
[1.0484e+02, 4.0257e-01, 2.4761e+00],  
[7.6993e-01, 1.2065e-04, 9.9690e-02],  
[1.1964e+02, 5.2315e-01, 2.1063e+00],  
[5.7257e+01, 5.5754e-01, 1.5110e+00],  
[1.2141e+00, 1.0558e-04, 8.1533e-02],  
[3.2819e+01, 2.7460e-01, 1.0784e+00],  
[8.5281e+01, 1.5766e+00, 3.4698e+00],  
[1.9594e+01, 1.8621e-02, 9.0353e-01],  
[7.1004e-01, 1.4194e-04, 8.6650e-02],  
[8.6151e-03, 1.2793e-08, 1.3656e-03],  
[3.7092e+00, 3.0870e-03, 4.1395e-01],  
[7.1369e+01, 1.9534e+00, 2.4009e+00],  
[2.7811e+01, 2.7601e-01, 1.4730e+00],  
[1.2981e+00, 4.6838e-04, 1.1951e-01],  
[1.8542e+02, 6.7075e+00, 4.3171e+00],

[1.1841e+02, 2.0566e+00, 3.6667e+00],  
 [1.5858e-03, 7.6333e-10, 2.5790e-04],  
 [1.8268e+01, 1.8569e-02, 7.1709e-01],  
 [2.0258e+01, 8.2983e-02, 1.1906e+00],  
 [2.3056e+01, 2.3925e-02, 1.1321e+00],  
 [1.6862e-01, 1.9190e-05, 1.8888e-02],  
 [2.4102e+01, 2.1922e-01, 9.0078e-01],  
 [5.1339e+00, 7.5488e-03, 3.5792e-01],  
 [7.2872e-02, 3.1534e-07, 9.9625e-03],  
 [2.1077e-01, 1.3676e-05, 2.1008e-02],  
 [1.2548e+02, 4.1543e+00, 4.1952e+00],  
 [7.8000e+01, 1.2279e+00, 3.3629e+00],  
 [7.3642e-02, 5.8405e-06, 1.0095e-02],  
 [4.4767e-02, 1.2432e-06, 6.2508e-03],  
 [1.1638e+01, 2.9974e-02, 5.7434e-01],  
 [1.2139e+02, 3.0186e+00, 3.9177e+00],  
 [1.4807e-01, 9.5386e-06, 1.7294e-02],  
 [9.2743e+01, 2.3484e+00, 2.9205e+00],  
 [1.9573e+01, 2.3151e-01, 1.6146e+00],  
 [5.6366e-01, 1.0642e-04, 6.8072e-02],  
 [3.8439e-02, 3.7513e-07, 5.1700e-03],  
 [9.9673e+00, 1.1254e-02, 6.1871e-01],  
 [1.8407e+01, 1.2840e-01, 8.5037e-01],  
 [5.1238e+01, 2.3791e-01, 1.8253e+00],  
 [1.1059e-01, 8.8416e-06, 1.2395e-02],  
 [5.6090e-02, 1.9588e-07, 8.4149e-03],  
 [1.9668e+00, 1.4679e-03, 1.3740e-01],  
 [1.8466e+01, 3.6409e-02, 1.3448e+00],  
 [1.2481e+00, 2.8414e-04, 1.0804e-01],  
 [1.1099e+00, 8.4870e-04, 1.4212e-01],  
 [4.2800e-01, 6.6148e-05, 5.6486e-02],  
 [2.3671e-02, 9.9659e-08, 3.4790e-03],  
 [3.1722e+01, 2.7484e-01, 1.5021e+00],  
 [4.8204e-01, 5.4902e-05, 3.4951e-02],  
 [6.6067e+00, 4.1543e-02, 7.2455e-01],  
 [1.4392e+02, 1.2302e+00, 3.4078e+00],  
 [8.8292e+00, 6.9692e-03, 2.8144e-01],  
 [2.4310e-01, 7.8386e-06, 3.2397e-02],  
 [1.6302e+01, 1.4158e-02, 6.0800e-01],  
 [4.8264e-01, 1.7088e-04, 6.2119e-02],  
 [1.7716e+02, 3.1749e+00, 4.5106e+00],  
 [3.3457e-01, 1.4645e-05, 3.9878e-02],  
 [2.3286e+00, 1.1563e-03, 1.5330e-01],  
 [5.5711e+00, 1.9973e-03, 2.2965e-01],  
 [1.9004e+00, 2.7909e-03, 1.9491e-01],  
 [1.7825e-01, 9.7793e-06, 2.3672e-02],  
 [1.1977e+00, 2.7664e-04, 1.1818e-01],  
 [7.4733e+00, 8.7219e-03, 3.8964e-01],

[2.0235e+01, 6.3219e-02, 1.0242e+00],  
[1.6725e-01, 3.3854e-05, 2.3272e-02],  
[1.7012e-01, 3.1471e-06, 2.1088e-02],  
[1.8420e+01, 1.0861e-02, 5.6077e-01],  
[1.3967e+01, 4.8522e-02, 5.8684e-01],  
[6.8600e+00, 9.2672e-03, 3.0473e-01],  
[3.6506e+01, 3.8588e-01, 1.1370e+00],  
[8.1537e+01, 1.9187e-01, 3.8868e+00],  
[4.3730e-01, 1.9402e-04, 5.8584e-02],  
[7.8783e-01, 2.0447e-04, 7.9212e-02],  
[5.8170e+00, 3.0338e-03, 4.7019e-01],  
[2.6651e+01, 9.6722e-02, 7.6283e-01],  
[7.7246e+00, 1.0530e-02, 4.4220e-01],  
[1.0594e+02, 1.6166e+00, 2.5619e+00],  
[1.2495e+02, 3.5949e-01, 2.6417e+00],  
[5.4113e+01, 4.9728e-01, 2.0588e+00],  
[1.0505e-01, 3.9773e-06, 1.3443e-02],  
[7.1704e-01, 1.1966e-04, 7.1187e-02],  
[5.4719e+00, 1.7315e-02, 3.8152e-01],  
[1.0932e+01, 2.0534e-03, 6.0950e-01],  
[1.1468e+02, 3.5542e-01, 3.1626e+00],  
[3.1237e+01, 1.5169e-01, 1.5048e+00],  
[5.6061e+00, 1.4966e-02, 3.5784e-01],  
[4.3395e-02, 9.8045e-07, 6.5029e-03],  
[3.4130e+00, 4.2134e-04, 1.5886e-01],  
[2.5247e-01, 1.6970e-05, 2.9634e-02],  
[6.4767e+00, 1.1047e-02, 3.1944e-01],  
[8.1182e-01, 1.2817e-04, 5.1451e-02],  
[4.6982e-01, 5.6980e-05, 3.3900e-02],  
[2.6511e-01, 2.8358e-05, 3.4140e-02],  
[5.4791e-01, 9.5224e-05, 5.0914e-02],  
[1.3536e+01, 4.5293e-02, 1.0423e+00],  
[8.4351e+00, 1.2088e-02, 4.6333e-01],  
[6.9012e-02, 3.1835e-06, 8.9792e-03],  
[8.1467e+00, 8.7637e-03, 3.4353e-01],  
[1.9302e-01, 2.3430e-05, 2.5554e-02],  
[1.0941e+01, 1.2326e-02, 5.1716e-01],  
[8.3326e+00, 1.3561e-02, 8.0071e-01],  
[4.5309e+01, 4.5217e-01, 2.2493e+00],  
[2.1262e+00, 4.5905e-04, 1.7598e-01],  
[2.5360e+00, 5.5006e-04, 1.5087e-01],  
[6.4586e+00, 2.7185e-03, 4.0042e-01],  
[4.6185e+01, 2.3381e-01, 2.3633e+00],  
[3.5070e+01, 1.7660e-01, 1.4848e+00],  
[5.9108e-01, 2.0290e-05, 5.2691e-02],  
[9.1843e-01, 1.2475e-05, 7.6514e-02],  
[1.4086e+01, 1.5676e-02, 1.1016e+00],  
[9.6929e+00, 8.0074e-03, 3.6686e-01],

```

[2.1029e+02, 5.0726e+00, 4.1683e+00],
[3.5007e+00, 1.4840e-03, 2.9082e-01],
[3.2755e-03, 2.9409e-09, 5.2422e-04],
[1.0229e+01, 4.9246e-03, 7.8166e-01],
[3.7526e-01, 1.8463e-05, 4.1642e-02],
[3.3327e+00, 2.1749e-03, 3.4237e-01],
[1.8674e+00, 1.4442e-04, 9.8414e-02],
[2.6897e+00, 2.1051e-03, 2.5312e-01],
[8.7006e+01, 1.1852e+00, 3.2946e+00],
[1.4108e+02, 1.7654e+00, 2.5828e+00],
[1.2061e+01, 2.3196e-02, 4.7681e-01],
[1.7657e-01, 6.8396e-06, 1.9967e-02],
[2.0001e+02, 4.0761e+00, 3.1318e+00],
[1.2480e+02, 2.3297e-01, 2.8935e+00],
[7.6625e-02, 4.5631e-07, 1.0442e-02],
[2.1922e+01, 1.5488e-02, 1.1334e+00],
[1.0444e+00, 1.6256e-04, 8.1695e-02],
[1.7918e-01, 2.3113e-05, 2.3528e-02],
[4.0493e-01, 2.0984e-05, 4.4920e-02],
[8.2582e+01, 1.7966e+00, 2.1580e+00]], dtype=torch.float64)
Iteration: 103
Inputs: tensor([[2.8272e+20, 4.9718e+02, 1.3633e+01, 9.8894e+00],
[3.2450e+18, 4.4674e+02, 1.3933e+01, 1.0798e+00],
[1.0877e+19, 1.9555e+02, 1.0306e+01, 1.1598e+00],
...,
[2.1022e+18, 5.4128e+01, 1.2947e+01, 3.7803e+00],
[1.9425e+19, 3.0527e+02, 9.8874e+00, 3.3817e+00],
[3.9458e+19, 4.3811e+02, 7.5468e-01, 9.7612e+00]], dtype=torch.float64)
Target: tensor([[1.2057e+02, 3.6909e+00, 2.5947e+00],
[7.1074e-02, 4.3704e-07, 9.8678e-03],
[2.1806e-01, 3.6876e-06, 2.9651e-02],
[2.0508e+01, 5.3426e-02, 9.5653e-01],
[4.5592e+01, 2.9814e-02, 1.0899e+00],
[7.9509e+00, 1.7787e-02, 5.2903e-01],
[3.8580e+00, 2.5107e-03, 2.0974e-01],
[7.8564e-01, 1.8249e-04, 5.3468e-02],
[3.9860e+01, 5.2880e-01, 1.1142e+00],
[9.0085e+01, 2.2533e-02, 2.1079e+00],
[2.3562e-03, 9.1599e-10, 3.8101e-04],
[3.8737e-03, 1.3341e-08, 6.0284e-04],
[9.9675e-02, 7.1862e-06, 1.4661e-02],
[1.2193e+01, 2.5512e-02, 4.8432e-01],
[4.5970e-01, 8.5821e-05, 4.6452e-02],
[8.4538e+01, 5.8732e-01, 3.1213e+00],
[3.3499e-03, 3.9368e-09, 5.2744e-04],
[9.0250e+00, 1.8217e-02, 3.8286e-01],
[1.1345e+01, 2.6563e-02, 5.2005e-01],
[4.8264e+01, 5.6725e-01, 1.9808e+00],

```



[1.9756e-02, 1.8358e-08, 2.8430e-03],  
 [2.4908e+00, 1.3537e-03, 2.1346e-01],  
 [9.6219e-02, 4.0372e-06, 1.1982e-02],  
 [7.1867e+00, 4.5633e-02, 8.1894e-01],  
 [4.6046e-03, 7.8358e-09, 7.1750e-04],  
 [1.8414e+00, 2.2799e-03, 1.9623e-01],  
 [1.3240e+01, 3.4943e-02, 6.6438e-01],  
 [1.5800e+02, 4.9830e+00, 3.5639e+00],  
 [1.2168e+02, 2.4139e-01, 2.8969e+00],  
 [1.6428e-01, 7.4931e-06, 2.0841e-02],  
 [3.9857e-02, 7.8154e-07, 5.8788e-03],  
 [1.5638e+01, 2.7475e-02, 6.8126e-01],  
 [2.1480e+01, 5.2570e-02, 9.5695e-01],  
 [2.7364e+00, 9.0274e-04, 2.3928e-01],  
 [7.1748e+00, 1.6931e-03, 3.8580e-01],  
 [6.2787e+00, 1.8678e-03, 3.4046e-01],  
 [2.3494e-03, 6.7465e-09, 3.7286e-04],  
 [1.3696e+02, 2.7070e+00, 4.2238e+00],  
 [9.2168e+01, 1.2975e+00, 3.0286e+00],  
 [1.1958e-01, 3.8652e-06, 1.3951e-02],  
 [1.1236e-02, 1.5010e-07, 1.7483e-03],  
 [1.1854e+00, 4.6064e-05, 1.2524e-01],  
 [1.5885e+00, 2.1107e-04, 1.3049e-01],  
 [6.8003e-01, 1.0827e-04, 4.9163e-02],  
 [5.2679e+01, 4.6375e-01, 3.2248e+00],  
 [4.5508e+00, 1.7380e-03, 3.4612e-01],  
 [1.9008e+02, 4.3649e+00, 4.4609e+00],  
 [6.2084e+00, 1.2673e-02, 6.3754e-01],  
 [1.2997e+01, 2.4643e-02, 4.9977e-01],  
 [1.5654e+01, 2.9842e-02, 7.6443e-01],  
 [1.9557e+01, 3.4137e-02, 8.8368e-01],  
 [2.2600e+01, 1.2003e-01, 1.3774e+00],  
 [7.2455e+01, 8.9068e-01, 1.9343e+00],  
 [1.5755e+00, 9.3279e-04, 1.1250e-01],  
 [1.9311e+00, 8.3505e-04, 1.1932e-01],  
 [1.8596e+00, 6.7673e-04, 1.4717e-01],  
 [2.4022e+02, 1.3387e+01, 4.9223e+00],  
 [3.3925e+01, 2.9225e-01, 1.5520e+00],  
 [1.9057e+00, 5.1118e-04, 1.9926e-01],  
 [8.3493e+00, 1.0368e-02, 3.6627e-01],  
 [1.3243e+02, 2.3437e+00, 4.0152e+00],  
 [8.4231e-02, 9.2584e-07, 1.2749e-02],  
 [5.7004e-01, 6.3890e-05, 4.2953e-02],  
 [2.5592e+00, 1.6000e-03, 1.8747e-01],  
 [7.4937e-03, 4.3529e-09, 1.1369e-03],  
 [7.6480e-01, 4.3842e-04, 9.2020e-02],  
 [2.5498e-02, 5.1347e-07, 3.9035e-03],  
 [1.5570e-03, 6.1913e-10, 2.5032e-04],

[1.6379e+01, 5.1276e-02, 5.7612e-01],  
 [1.1119e-03, 2.2713e-10, 1.7892e-04],  
 [6.1696e-01, 8.1005e-05, 6.5251e-02],  
 [2.3447e+02, 5.7425e+00, 4.8594e+00],  
 [2.3881e+02, 8.5311e+00, 4.8260e+00],  
 [5.2769e+01, 1.1847e+00, 2.5241e+00],  
 [2.5107e+01, 4.7669e-02, 1.8509e+00],  
 [3.0823e+00, 2.2256e-03, 1.9243e-01],  
 [2.7396e+01, 1.0016e-01, 8.0819e-01],  
 [8.4842e+01, 1.3873e+00, 1.9253e+00],  
 [1.7466e-01, 1.1489e-05, 2.1281e-02],  
 [3.6883e-02, 2.4483e-07, 5.1892e-03],  
 [6.3939e+01, 1.0336e-01, 3.2403e+00],  
 [1.0135e-01, 6.3091e-06, 1.1756e-02],  
 [1.1534e-01, 3.6675e-06, 1.3790e-02],  
 [4.4148e+01, 4.9533e-01, 2.3008e+00],  
 [8.6237e+01, 1.6233e+00, 3.4639e+00],  
 [6.1439e+01, 5.1921e-01, 2.4913e+00],  
 [1.0337e+02, 1.9697e+00, 3.2351e+00],  
 [5.5420e+00, 8.1368e-04, 3.6460e-01],  
 [4.2839e+01, 1.0104e-01, 1.7233e+00],  
 [8.6062e+01, 5.3803e-01, 2.0665e+00],  
 [2.9861e+01, 2.1954e-01, 1.0918e+00],  
 [8.4767e-02, 1.8357e-06, 1.1587e-02],  
 [1.5028e+00, 4.7067e-04, 1.3123e-01],  
 [3.0949e+00, 8.2450e-04, 2.0810e-01],  
 [6.1573e-02, 6.9441e-07, 9.1759e-03],  
 [1.1310e+02, 4.6062e-01, 3.7274e+00],  
 [2.8258e-01, 3.3673e-05, 2.7278e-02],  
 [5.1010e+00, 1.2259e-03, 2.8627e-01],  
 [4.5315e-02, 3.7006e-07, 6.2327e-03],  
 [3.5686e+00, 7.6123e-04, 2.1837e-01],  
 [7.6807e+00, 2.4044e-03, 8.0639e-01],  
 [8.6770e+00, 3.3661e-03, 6.9302e-01],  
 [6.0176e-02, 5.2085e-07, 8.6073e-03],  
 [2.0575e+01, 7.2162e-02, 8.2167e-01],  
 [3.0938e+01, 2.4973e-01, 1.1045e+00],  
 [1.2030e+01, 2.2397e-02, 1.0912e+00],  
 [1.2045e+02, 2.2145e+00, 2.8889e+00],  
 [2.1250e-02, 7.6025e-07, 3.2591e-03],  
 [1.8065e-02, 4.3430e-08, 2.8471e-03],  
 [3.7784e+00, 3.2072e-03, 2.2641e-01],  
 [2.7547e+01, 2.3048e-01, 1.5705e+00],  
 [1.9186e+01, 1.1847e-01, 1.2256e+00],  
 [6.1162e+00, 6.9121e-03, 3.1065e-01],  
 [8.7445e+00, 2.1822e-02, 5.8365e-01],  
 [3.6931e-01, 2.9939e-05, 2.9857e-02],  
 [1.2194e+01, 5.4814e-02, 8.7258e-01],

[3.1987e+01, 1.8180e-01, 1.0268e+00],  
 [2.6448e+00, 1.0787e-03, 1.3169e-01],  
 [2.1340e+00, 8.7387e-04, 1.7228e-01],  
 [2.2842e+00, 1.1242e-04, 2.3079e-01],  
 [9.8420e+01, 3.9775e-01, 2.7296e+00],  
 [2.8112e+00, 1.3771e-03, 1.5093e-01],  
 [4.9714e-01, 2.4241e-05, 4.9275e-02],  
 [1.8224e-01, 9.4477e-06, 2.5031e-02],  
 [2.3589e+00, 7.5892e-04, 2.1080e-01],  
 [5.2308e-01, 3.1261e-05, 3.4227e-02],  
 [5.6216e+01, 1.0066e+00, 2.2403e+00],  
 [5.4536e-01, 1.0640e-04, 6.4017e-02],  
 [2.0219e+00, 4.6220e-04, 2.3747e-01],  
 [2.6552e-01, 1.6034e-05, 2.4508e-02],  
 [3.8434e+00, 5.4823e-03, 2.3016e-01],  
 [5.4375e+00, 2.6877e-02, 6.5395e-01],  
 [1.9262e+02, 2.3600e+00, 3.1382e+00],  
 [3.1620e+01, 3.2305e-01, 1.9899e+00],  
 [1.6616e+00, 5.8349e-04, 9.9303e-02],  
 [6.9295e+00, 8.3141e-03, 4.4677e-01],  
 [7.3600e+00, 1.8439e-02, 4.3433e-01],  
 [1.7151e+01, 7.0797e-03, 1.2295e+00],  
 [4.6949e+00, 1.8855e-03, 2.2959e-01],  
 [1.0861e+00, 3.2527e-04, 1.1363e-01],  
 [1.3431e+00, 6.3308e-04, 1.1235e-01],  
 [2.3194e-02, 1.2449e-07, 3.2693e-03],  
 [1.1778e+00, 6.3266e-04, 1.5485e-01],  
 [3.2345e-01, 2.2144e-05, 2.8942e-02],  
 [2.8878e-02, 3.0012e-07, 4.3351e-03],  
 [3.5770e-02, 3.0283e-07, 4.9415e-03],  
 [1.2832e-02, 9.1558e-08, 1.9528e-03],  
 [5.3985e-01, 1.6410e-04, 4.9703e-02],  
 [2.9865e-02, 8.7810e-07, 4.5524e-03],  
 [3.2045e+01, 2.5631e-01, 9.3869e-01],  
 [2.6018e+00, 1.8977e-03, 1.7438e-01],  
 [5.2996e+01, 5.6405e-01, 1.2641e+00],  
 [2.2461e-01, 3.5954e-06, 2.3169e-02],  
 [5.5010e-03, 6.7853e-09, 8.4508e-04],  
 [4.9867e+01, 3.7635e-01, 1.2082e+00],  
 [7.7556e+00, 1.6872e-02, 4.1464e-01],  
 [1.0480e+00, 3.4836e-04, 8.1512e-02],  
 [1.5195e-02, 7.2330e-08, 2.2179e-03],  
 [3.9436e+01, 5.3276e-01, 1.3096e+00],  
 [2.2111e+00, 5.2354e-04, 2.2823e-01],  
 [1.8499e-01, 1.0814e-05, 2.4030e-02],  
 [2.9754e+02, 7.0685e+00, 5.0365e+00],  
 [2.6611e+00, 6.0066e-04, 1.5881e-01],  
 [5.2513e-02, 4.1277e-07, 7.8774e-03],

[7.4868e-01, 9.8196e-04, 1.0096e-01],  
[9.7522e+00, 3.3164e-02, 1.0897e+00],  
[7.9605e+00, 1.2905e-03, 6.5912e-01],  
[1.1295e+00, 6.5584e-04, 9.2890e-02],  
[1.2180e+00, 6.1698e-04, 1.1765e-01],  
[2.0773e+01, 2.6064e-02, 9.7235e-01],  
[5.3161e+00, 1.2040e-02, 3.5868e-01],  
[6.4042e+00, 6.0914e-03, 4.4408e-01],  
[1.1660e+01, 2.0165e-02, 7.7915e-01],  
[6.2385e+01, 1.2882e-01, 2.7428e+00],  
[1.1384e+01, 7.0173e-03, 5.8523e-01],  
[3.4101e-01, 9.0893e-05, 4.1771e-02],  
[7.3458e-03, 4.4540e-09, 1.1322e-03],  
[1.8458e+01, 5.7078e-02, 5.9081e-01],  
[7.9211e-01, 6.0708e-05, 5.2969e-02],  
[4.4791e-02, 4.6842e-07, 5.8469e-03],  
[1.4425e+01, 1.3199e-02, 1.0091e+00],  
[4.1111e+01, 6.1842e-02, 1.2504e+00],  
[6.8318e+01, 1.3789e+00, 1.7509e+00],  
[1.9231e+00, 1.2354e-03, 1.5466e-01],  
[2.0094e+01, 4.6512e-02, 1.0505e+00],  
[1.3602e-02, 1.5333e-07, 2.0284e-03],  
[4.3674e-02, 9.8017e-07, 6.5244e-03],  
[2.4732e+00, 5.7818e-04, 1.9130e-01],  
[3.8978e+01, 1.8669e-01, 1.2402e+00],  
[2.5574e+01, 4.6088e-02, 2.1401e+00],  
[4.4548e+00, 2.8954e-03, 2.8047e-01],  
[3.5389e+01, 1.9232e-01, 1.9147e+00],  
[1.1298e+00, 1.0668e-03, 1.1434e-01],  
[4.7596e-01, 3.1093e-05, 4.4099e-02],  
[8.4966e-01, 3.7947e-04, 8.1169e-02],  
[6.3174e-03, 4.8654e-08, 9.9547e-04],  
[8.2520e+01, 2.1041e+00, 2.2123e+00],  
[1.3475e+02, 1.4203e+00, 3.5907e+00],  
[6.5510e-01, 2.8152e-05, 7.6177e-02],  
[1.7216e-01, 4.8910e-06, 1.9705e-02],  
[1.1201e+02, 1.8494e+00, 3.0719e+00],  
[9.1470e+01, 4.3247e-01, 1.9638e+00],  
[1.2640e+00, 1.7978e-04, 7.8436e-02],  
[8.0959e+00, 1.6707e-02, 7.9121e-01],  
[5.8450e+01, 2.9107e-01, 3.5208e+00],  
[3.8403e+00, 1.7712e-03, 2.2394e-01],  
[9.7114e-01, 8.7713e-05, 9.6536e-02],  
[4.4007e+01, 4.2775e-01, 2.9610e+00],  
[5.7501e-01, 3.8500e-05, 6.2998e-02],  
[3.6181e+01, 2.8692e-01, 1.8958e+00],  
[8.3078e-01, 1.9263e-04, 1.1714e-01],  
[4.5805e+01, 1.4871e-01, 2.1997e+00],

[3.3334e-02, 5.5387e-07, 4.6379e-03],  
[2.1794e+01, 1.2501e-02, 7.9734e-01],  
[5.3713e-01, 5.2364e-05, 4.5583e-02],  
[2.0693e+01, 1.2004e-01, 1.2132e+00],  
[2.8638e+01, 1.1426e-01, 8.4750e-01],  
[2.8401e+01, 9.0635e-02, 7.7369e-01],  
[1.1499e+00, 3.8211e-04, 1.0880e-01],  
[2.5217e+00, 1.2588e-03, 1.6762e-01],  
[2.3865e-01, 1.0723e-05, 3.4639e-02],  
[5.3542e-02, 6.1402e-07, 7.3779e-03],  
[3.0543e+00, 3.6594e-04, 2.8093e-01],  
[9.7840e+01, 1.8114e+00, 2.0931e+00],  
[7.1588e-01, 1.3792e-04, 5.9973e-02],  
[1.1504e+01, 6.4887e-02, 6.8920e-01],  
[2.6181e+01, 5.6430e-02, 1.4056e+00],  
[3.3727e+01, 1.1355e-01, 1.0074e+00],  
[6.5511e-01, 1.1468e-04, 5.5117e-02],  
[2.8142e-01, 9.2274e-06, 3.3879e-02],  
[2.0238e-02, 1.2317e-07, 3.0101e-03],  
[2.5300e+01, 1.9248e-02, 1.8104e+00],  
[2.6065e+00, 6.4822e-04, 1.9285e-01],  
[2.6017e-01, 3.4997e-05, 2.7423e-02],  
[1.2639e+00, 1.7586e-04, 9.3483e-02],  
[1.4219e+00, 8.4849e-04, 1.0788e-01],  
[6.5584e-04, 4.5191e-11, 1.0734e-04],  
[1.2579e+01, 4.1292e-02, 1.1563e+00],  
[6.1437e-01, 7.8865e-05, 5.7984e-02],  
[9.4956e+00, 2.5339e-02, 4.6461e-01],  
[7.3558e-02, 1.9627e-06, 1.0788e-02],  
[1.2064e+01, 3.5050e-02, 9.6621e-01],  
[8.2490e-01, 2.5951e-04, 6.8669e-02],  
[2.3983e+00, 1.3773e-03, 1.8761e-01],  
[4.3829e+01, 1.1954e-01, 1.9033e+00],  
[3.1021e-01, 1.3804e-05, 3.0506e-02],  
[3.0273e-02, 4.1972e-07, 4.2556e-03],  
[1.9940e+02, 3.9916e+00, 4.6306e+00],  
[1.1315e+01, 2.3765e-02, 5.0376e-01],  
[1.5042e-02, 5.3048e-08, 2.2246e-03],  
[2.1548e-01, 6.6569e-06, 2.1724e-02],  
[1.1844e-01, 4.5767e-06, 1.3427e-02],  
[3.2900e-01, 2.4341e-05, 3.5791e-02],  
[2.3020e+00, 1.4601e-03, 3.0117e-01],  
[6.0443e-02, 2.7414e-06, 8.2944e-03],  
[1.9214e+00, 1.6876e-03, 1.3033e-01],  
[5.0045e+00, 8.4291e-04, 3.6565e-01],  
[2.1413e+01, 3.7850e-02, 1.4212e+00],  
[4.7246e+01, 3.2312e-01, 1.5782e+00],  
[3.6014e-02, 6.2081e-07, 5.4809e-03],

[1.7125e+00, 9.4054e-04, 1.6611e-01],  
 [1.1662e+00, 2.7801e-04, 9.3487e-02],  
 [8.6788e+01, 3.8379e-01, 3.1001e+00],  
 [4.1807e-02, 7.5628e-07, 5.7984e-03],  
 [9.1724e-01, 2.3394e-05, 6.3055e-02],  
 [9.5578e+00, 3.4249e-03, 6.2449e-01],  
 [1.5719e-01, 8.0994e-06, 2.1679e-02],  
 [6.6505e+01, 2.2805e-01, 2.5318e+00],  
 [3.1108e-02, 1.2112e-07, 4.5046e-03],  
 [1.9107e-01, 2.5048e-06, 2.1375e-02],  
 [6.1677e+00, 6.2922e-03, 2.7717e-01],  
 [5.9266e+01, 3.1641e-01, 1.2332e+00],  
 [2.0741e+02, 1.8925e+00, 3.7841e+00],  
 [7.9473e+01, 7.0489e-01, 1.5260e+00],  
 [1.5847e+01, 5.1381e-02, 7.7242e-01],  
 [3.9659e+01, 5.5649e-01, 1.2752e+00],  
 [4.5551e+01, 5.3739e-02, 1.6383e+00],  
 [1.5463e+00, 2.8248e-04, 1.2757e-01],  
 [1.2608e-01, 1.6582e-05, 1.8368e-02],  
 [7.9246e+01, 1.0106e+00, 2.4131e+00],  
 [1.5986e+02, 4.8843e+00, 4.4005e+00],  
 [1.8655e-02, 2.2551e-07, 2.8937e-03],  
 [4.2861e+00, 6.5158e-03, 3.5280e-01],  
 [6.5869e+00, 7.7097e-03, 3.4798e-01],  
 [1.1253e+00, 4.6436e-04, 1.2428e-01],  
 [7.6811e+01, 8.4222e-01, 1.8549e+00],  
 [4.5644e+00, 1.0360e-02, 4.5978e-01],  
 [3.1083e-01, 1.7526e-05, 4.5421e-02],  
 [8.1584e+01, 1.6305e+00, 3.7705e+00],  
 [6.6133e+01, 9.0232e-01, 3.1736e+00],  
 [9.5295e+01, 5.7098e-01, 2.3979e+00],  
 [4.4453e+00, 8.0808e-04, 2.1426e-01],  
 [4.2023e-01, 2.4370e-05, 5.6801e-02],  
 [4.8860e-01, 3.2129e-05, 6.4900e-02],  
 [7.7987e+01, 1.2390e+00, 2.0114e+00],  
 [6.8619e+01, 1.7068e+00, 2.1143e+00],  
 [5.4862e+01, 6.3491e-01, 1.8717e+00],  
 [8.2567e+01, 8.0005e-01, 3.2804e+00],  
 [5.0782e+01, 5.9199e-01, 1.1951e+00],  
 [1.8116e+02, 2.3597e+00, 4.3657e+00],  
 [2.3686e+02, 7.9075e+00, 4.2797e+00],  
 [7.9215e+01, 5.6816e-01, 2.2657e+00],  
 [1.4867e+01, 3.0620e-02, 7.7871e-01],  
 [9.2503e+01, 1.9651e+00, 2.7225e+00],  
 [2.4374e+00, 1.6087e-05, 1.2717e-01],  
 [1.2054e+00, 2.3825e-04, 8.4626e-02],  
 [2.3906e-01, 5.3736e-06, 3.2594e-02],  
 [7.4624e+00, 1.7491e-02, 3.9368e-01],

```

[5.9853e-02, 3.4070e-07, 7.9433e-03],
[9.7582e+01, 9.9914e-01, 2.6612e+00],
[2.0387e-01, 4.9190e-05, 2.9222e-02],
[4.1560e+01, 5.0082e-02, 1.2832e+00],
[1.0484e+02, 2.0639e+00, 3.1550e+00],
[1.5042e+00, 2.2953e-05, 9.9566e-02],
[1.5697e+01, 8.8430e-02, 1.5164e+00],
[1.5794e+01, 1.4077e-02, 7.4965e-01],
[1.6139e+02, 5.4404e+00, 4.8042e+00],
[4.9046e-03, 1.1223e-08, 7.7345e-04],
[4.8242e+00, 2.1854e-03, 3.3113e-01],
[4.0734e+01, 1.9217e-01, 8.4260e-01]], dtype=torch.float64)
Iteration: 104
Inputs: tensor([[2.1741e+18, 1.1410e+02, 1.2387e+00, 2.7094e+00],
               [4.4070e+18, 3.3504e+02, 4.0244e+00, 9.2749e+00],
               [4.9916e+18, 2.8869e+02, 4.4598e+00, 5.5281e+00],
               ...,
               [3.5524e+20, 1.3087e+02, 1.6097e+01, 4.0573e+00],
               [3.9180e+20, 2.9533e+02, 1.2547e+01, 9.3969e+00],
               [3.8568e+19, 4.8212e+02, 7.4060e+00, 6.3048e+00]], dtype=torch.float64)
Target: tensor([[1.7534e-01, 1.2461e-06, 2.0510e-02],
               [2.3730e+00, 9.6949e-04, 1.3470e-01],
               [1.8334e+00, 3.2014e-04, 1.2578e-01],
               [7.1423e+01, 9.4397e-01, 2.4299e+00],
               [4.4026e+01, 6.4521e-01, 1.3438e+00],
               [5.4465e+01, 4.8495e-01, 1.8232e+00],
               [1.0794e-01, 8.6221e-06, 1.5349e-02],
               [3.1659e+01, 2.1611e-01, 1.6121e+00],
               [4.4203e+00, 2.5348e-03, 3.3721e-01],
               [4.9142e+00, 2.4182e-02, 6.2328e-01],
               [2.3224e+01, 2.0188e-01, 1.4362e+00],
               [1.2480e-01, 2.3576e-06, 1.5097e-02],
               [1.2619e+02, 3.0171e+00, 3.4596e+00],
               [1.5158e-01, 1.2187e-05, 2.2020e-02],
               [5.9583e+01, 1.1703e-01, 3.0888e+00],
               [2.9068e+00, 2.6466e-03, 2.0488e-01],
               [1.9683e+00, 1.0617e-03, 1.6345e-01],
               [1.0188e+01, 2.9658e-03, 4.1608e-01],
               [7.4571e+01, 7.5108e-01, 3.6361e+00],
               [3.7627e-01, 3.1220e-05, 4.4395e-02],
               [3.3102e+00, 6.7248e-04, 1.5985e-01],
               [1.1199e-01, 3.1342e-06, 1.2626e-02],
               [9.1247e+00, 6.2209e-03, 3.0438e-01],
               [1.1489e-01, 3.3388e-06, 1.5181e-02],
               [2.6464e+00, 4.6614e-03, 2.2344e-01],
               [1.1896e+02, 8.0396e-01, 3.5581e+00],
               [3.9001e-01, 8.8651e-05, 4.3520e-02],
               [1.1328e-02, 9.9983e-09, 1.7447e-03],

```

[5.1354e-01, 1.3159e-04, 6.5208e-02],  
[3.7717e+01, 1.8778e-01, 2.2239e+00],  
[6.1924e-03, 8.4616e-09, 9.5282e-04],  
[6.2676e+01, 7.2728e-02, 1.8576e+00],  
[4.6804e-03, 7.4833e-09, 7.4879e-04],  
[5.2725e-04, 6.5991e-11, 8.6688e-05],  
[1.3541e-01, 2.3613e-06, 1.6069e-02],  
[2.9436e+00, 1.1466e-04, 1.8123e-01],  
[7.8881e+00, 2.2232e-02, 3.9347e-01],  
[1.0420e-02, 8.5414e-09, 1.6080e-03],  
[9.8345e+00, 1.9992e-02, 4.6868e-01],  
[1.0079e+02, 1.0787e+00, 2.1583e+00],  
[8.3408e-01, 7.1278e-05, 8.4040e-02],  
[7.5984e-01, 1.4080e-04, 7.7529e-02],  
[4.2974e-02, 1.7200e-07, 6.0490e-03],  
[6.0837e+00, 2.7343e-02, 4.9922e-01],  
[3.7831e+01, 8.0187e-02, 2.3499e+00],  
[1.6755e+01, 1.7343e-01, 1.0802e+00],  
[4.0904e-01, 3.4035e-05, 3.1899e-02],  
[1.0128e+02, 1.0640e+00, 3.4964e+00],  
[5.7023e-02, 7.8186e-07, 7.9099e-03],  
[2.2957e-01, 2.4257e-05, 2.3989e-02],  
[1.2211e+02, 1.6246e+00, 2.2928e+00],  
[3.7961e-01, 4.5401e-05, 3.4661e-02],  
[1.1569e+02, 1.1209e+00, 3.7060e+00],  
[1.5285e-01, 1.1663e-05, 1.7937e-02],  
[1.1572e-01, 5.8969e-06, 1.5234e-02],  
[1.6171e+01, 6.6724e-02, 7.6045e-01],  
[1.5276e+01, 9.4418e-02, 8.1056e-01],  
[5.8339e-01, 1.1665e-04, 5.1443e-02],  
[5.1551e-02, 2.8066e-06, 7.4426e-03],  
[1.0201e+02, 1.1752e+00, 3.1712e+00],  
[3.8808e+00, 2.3473e-03, 2.5332e-01],  
[2.9261e+00, 1.6897e-03, 3.5689e-01],  
[8.1539e-01, 2.7738e-04, 9.8049e-02],  
[1.5299e+01, 2.6832e-02, 7.2082e-01],  
[2.8475e+00, 2.5173e-03, 1.7749e-01],  
[1.3460e+01, 4.4543e-02, 6.2424e-01],  
[9.0162e+01, 5.6322e-01, 2.5362e+00],  
[1.3961e+00, 2.9758e-05, 1.1827e-01],  
[6.3420e+01, 3.6964e-01, 2.5424e+00],  
[3.1014e+01, 6.2628e-02, 1.3785e+00],  
[6.8987e-01, 9.9420e-05, 5.7329e-02],  
[1.0943e+01, 1.7689e-02, 9.9952e-01],  
[2.8425e+00, 2.7503e-03, 2.1310e-01],  
[3.6124e-01, 2.0808e-05, 4.3576e-02],  
[8.0570e+01, 1.5943e+00, 3.6610e+00],  
[1.5609e+02, 4.3541e+00, 4.6273e+00],



[1.4884e-01, 6.5201e-07, 1.8001e-02],  
[5.4058e+01, 2.5896e-02, 1.6204e+00],  
[3.7871e-01, 5.3027e-05, 4.6235e-02],  
[1.0211e-01, 1.0534e-07, 1.3182e-02],  
[2.6135e+00, 5.9975e-04, 2.5830e-01],  
[6.1815e+01, 3.7977e-01, 2.6490e+00],  
[2.6106e-03, 2.6349e-09, 4.1854e-04],  
[1.2863e+00, 1.5162e-04, 1.6589e-01],  
[2.5332e+01, 2.5008e-02, 1.8054e+00],  
[1.2682e+01, 4.0821e-02, 5.8240e-01],  
[4.2996e-01, 1.8388e-05, 3.9134e-02],  
[1.5127e+02, 5.3765e+00, 3.5696e+00],  
[2.9815e+01, 2.3289e-02, 1.0554e+00],  
[2.0575e-01, 1.5143e-05, 2.4925e-02],  
[5.6863e+01, 2.8002e-01, 2.0924e+00],  
[1.9882e-01, 1.3487e-05, 1.9952e-02],  
[8.8462e+00, 1.8659e-02, 3.9660e-01],  
[1.2292e+02, 2.2886e+00, 3.0635e+00],  
[5.4682e+01, 2.3068e-01, 2.2446e+00],  
[6.2897e-02, 1.9402e-07, 7.9129e-03],  
[2.2213e+01, 9.6214e-03, 1.0100e+00],  
[1.2266e+00, 7.1318e-05, 1.3466e-01],  
[1.0244e+01, 1.2608e-02, 4.1820e-01],  
[9.3390e+01, 8.2050e-01, 1.9631e+00],  
[1.6072e+00, 4.8357e-04, 1.2502e-01],  
[3.0475e+01, 3.0970e-01, 1.2286e+00],  
[1.7757e+00, 4.3947e-05, 1.2261e-01],  
[2.7507e+00, 1.2140e-03, 3.1355e-01],  
[3.0757e+00, 2.8511e-03, 2.1370e-01],  
[1.7106e+00, 8.7552e-04, 2.2611e-01],  
[4.9002e-01, 1.0776e-04, 4.9206e-02],  
[5.4713e+00, 1.3671e-02, 5.6326e-01],  
[1.5707e+00, 2.0977e-04, 1.2010e-01],  
[1.0524e+02, 2.1815e+00, 3.4902e+00],  
[4.8631e-01, 4.5840e-05, 3.4538e-02],  
[3.5851e-01, 2.3571e-05, 2.9981e-02],  
[8.2506e+00, 1.3231e-02, 3.3518e-01],  
[5.3088e-01, 4.9617e-05, 6.8015e-02],  
[2.0315e+00, 5.6195e-04, 2.2106e-01],  
[9.8019e+01, 8.0844e-01, 3.0654e+00],  
[4.3429e-01, 9.0900e-06, 5.7692e-02],  
[3.0087e-01, 4.5481e-05, 3.1686e-02],  
[8.5634e-02, 4.2543e-06, 1.0824e-02],  
[2.0393e+02, 3.3984e+00, 3.4498e+00],  
[2.1019e+01, 4.7832e-02, 1.0951e+00],  
[6.4305e-02, 7.4534e-07, 9.4695e-03],  
[1.8366e-01, 4.4005e-06, 2.3815e-02],  
[2.2607e+01, 4.1963e-02, 7.0947e-01],

[3.6995e+01, 4.2449e-01, 2.2592e+00],  
 [1.0864e+00, 5.5886e-04, 9.1294e-02],  
 [1.0706e-01, 8.5687e-06, 1.6246e-02],  
 [1.4911e+00, 5.3016e-04, 1.4783e-01],  
 [1.0066e-01, 2.2634e-06, 1.2112e-02],  
 [5.1093e+01, 1.4951e-01, 1.5838e+00],  
 [2.9689e+01, 2.6231e-02, 1.2122e+00],  
 [3.5118e+01, 4.0051e-02, 1.8085e+00],  
 [1.0651e-01, 2.1366e-06, 1.6194e-02],  
 [7.7897e+00, 3.2506e-02, 6.1066e-01],  
 [1.0246e+02, 2.0784e+00, 2.3600e+00],  
 [4.6935e+01, 4.9662e-01, 1.6636e+00],  
 [8.0647e+01, 1.9481e+00, 2.3025e+00],  
 [1.2348e+01, 2.0216e-02, 6.8617e-01],  
 [2.5635e+01, 4.9354e-02, 6.6289e-01],  
 [5.2319e+01, 2.1738e-01, 1.5509e+00],  
 [1.5703e+01, 2.2705e-02, 8.0105e-01],  
 [9.6410e-01, 2.1996e-04, 9.3427e-02],  
 [2.0855e+00, 4.0106e-04, 1.8201e-01],  
 [4.0171e+01, 3.4395e-01, 2.1198e+00],  
 [3.2487e+00, 3.0872e-03, 2.1435e-01],  
 [1.2147e+01, 1.0227e-02, 5.3979e-01],  
 [6.7817e+01, 3.3685e-01, 3.2125e+00],  
 [2.7984e+00, 2.7290e-03, 2.1889e-01],  
 [2.2262e+00, 4.0256e-03, 2.6831e-01],  
 [7.0372e-03, 2.8388e-08, 1.0980e-03],  
 [3.6823e-01, 6.9814e-05, 3.1083e-02],  
 [6.4708e-02, 4.3683e-07, 9.5919e-03],  
 [3.5580e-02, 6.8976e-07, 4.8672e-03],  
 [2.1195e-01, 2.7116e-05, 2.8337e-02],  
 [7.2549e+01, 1.8098e-01, 1.9760e+00],  
 [1.6529e+02, 4.2153e+00, 4.6678e+00],  
 [2.3424e+00, 1.6238e-04, 1.2551e-01],  
 [1.9558e+01, 4.7284e-02, 1.0479e+00],  
 [1.2357e+02, 1.4240e+00, 2.2098e+00],  
 [3.8062e+00, 1.4059e-03, 2.8723e-01],  
 [3.6705e+01, 2.9485e-01, 1.2460e+00],  
 [1.8582e+02, 9.4704e-01, 3.3782e+00],  
 [8.0753e+01, 6.9516e-01, 2.0891e+00],  
 [4.2264e-02, 4.0488e-07, 5.7235e-03],  
 [1.8734e-01, 2.8265e-05, 2.6294e-02],  
 [3.9216e+00, 1.2924e-03, 2.3186e-01],  
 [1.9996e+01, 5.1378e-03, 1.5592e+00],  
 [1.7439e+00, 4.0686e-03, 1.9578e-01],  
 [2.5116e+00, 1.9813e-03, 2.8633e-01],  
 [7.6109e+00, 5.0396e-03, 5.6704e-01],  
 [3.9355e+01, 6.9951e-01, 1.9511e+00],  
 [9.4701e+00, 2.4108e-02, 9.0662e-01],

[6.5185e+00, 1.0507e-02, 3.2770e-01],  
[5.5553e-01, 1.6366e-05, 5.8746e-02],  
[5.7542e+01, 3.4805e-01, 1.1403e+00],  
[1.7168e+01, 1.1169e-01, 1.0350e+00],  
[1.4292e+01, 3.4732e-02, 6.0942e-01],  
[3.0653e-01, 9.6266e-06, 2.8908e-02],  
[1.6340e+00, 3.9095e-04, 1.9351e-01],  
[1.4432e-02, 7.9501e-08, 2.1681e-03],  
[3.1858e+00, 5.0310e-04, 1.4858e-01],  
[8.8154e+00, 1.9559e-02, 9.7587e-01],  
[2.0340e+01, 5.2016e-02, 7.0361e-01],  
[2.5148e+00, 6.5239e-04, 2.3900e-01],  
[1.5499e+01, 3.8226e-02, 6.0653e-01],  
[8.6919e+01, 8.8054e-01, 2.4500e+00],  
[7.9644e+01, 2.3613e-01, 1.9523e+00],  
[5.1823e+00, 1.1281e-02, 4.5087e-01],  
[1.3032e+02, 2.5138e+00, 3.6006e+00],  
[6.3071e+01, 1.1268e-01, 2.2486e+00],  
[3.7923e-02, 1.0838e-06, 5.3057e-03],  
[8.9438e-02, 1.3141e-06, 1.1898e-02],  
[7.8892e-03, 7.8626e-08, 1.2294e-03],  
[8.4239e+00, 7.7162e-03, 4.9327e-01],  
[1.9410e+01, 6.4744e-02, 6.5743e-01],  
[1.1948e+02, 2.3068e+00, 2.4538e+00],  
[3.4806e+01, 1.8288e-01, 1.5180e+00],  
[3.3261e+01, 3.6075e-01, 1.5519e+00],  
[6.3549e+01, 1.6082e+00, 2.7777e+00],  
[5.9116e+00, 4.9182e-03, 3.5807e-01],  
[2.0803e+02, 5.3858e+00, 3.4738e+00],  
[4.6266e-01, 8.4279e-06, 4.4028e-02],  
[5.5298e+01, 3.5414e-01, 1.0541e+00],  
[1.6556e+02, 2.3476e+00, 2.8827e+00],  
[4.4436e-01, 3.8756e-05, 4.7280e-02],  
[2.4821e-02, 1.5244e-07, 3.6244e-03],  
[8.4310e-02, 3.4479e-06, 1.0419e-02],  
[7.7040e+01, 7.6287e-02, 3.7182e+00],  
[5.4181e-01, 2.9078e-05, 5.8735e-02],  
[8.7354e+01, 9.2898e-01, 2.5888e+00],  
[1.5634e-01, 6.2268e-06, 1.6674e-02],  
[8.8322e-02, 4.9096e-06, 1.2793e-02],  
[3.8663e+00, 3.2978e-03, 2.3335e-01],  
[4.1620e-01, 7.1565e-05, 5.2527e-02],  
[1.7001e+00, 6.6157e-04, 1.7610e-01],  
[5.9605e-01, 1.7900e-04, 5.0978e-02],  
[5.3234e-01, 1.6612e-04, 5.4784e-02],  
[1.6411e-01, 3.5136e-06, 1.7884e-02],  
[1.3878e-01, 4.7814e-06, 1.4723e-02],  
[4.8773e+01, 8.0811e-01, 1.5510e+00],

[1.2076e+00, 8.7757e-05, 7.7362e-02],  
[7.3789e+00, 7.8151e-03, 7.1535e-01],  
[4.4468e-03, 3.0372e-08, 7.0679e-04],  
[1.7017e+01, 3.5219e-02, 7.3154e-01],  
[7.8481e+01, 9.3714e-01, 2.7654e+00],  
[5.4590e+00, 2.5228e-02, 5.7417e-01],  
[2.1249e+01, 1.0212e-01, 9.8400e-01],  
[1.3171e+00, 7.6512e-05, 6.6293e-02],  
[5.8363e+01, 6.1072e-01, 1.7068e+00],  
[5.7781e+00, 1.4500e-03, 3.9740e-01],  
[1.7625e+02, 4.0125e+00, 4.5068e+00],  
[2.1044e-02, 7.1068e-07, 3.2569e-03],  
[4.8909e-01, 4.7921e-06, 6.2291e-02],  
[6.6725e+01, 4.1250e-01, 2.5483e+00],  
[3.8149e-01, 2.6438e-05, 3.4671e-02],  
[1.0280e+00, 2.8860e-04, 1.1060e-01],  
[1.4763e+02, 2.3032e+00, 3.6821e+00],  
[1.9106e+00, 2.6754e-04, 1.7882e-01],  
[1.5853e-01, 7.9279e-06, 1.6830e-02],  
[2.3862e-02, 6.1137e-08, 3.3596e-03],  
[1.0098e+01, 1.6498e-02, 6.4084e-01],  
[2.4676e-01, 1.9383e-05, 2.9161e-02],  
[9.4187e-02, 6.2474e-07, 1.2227e-02],  
[1.3070e+01, 2.7034e-02, 5.6713e-01],  
[1.1997e+01, 1.1546e-02, 4.7098e-01],  
[2.2284e+01, 4.1829e-02, 1.5899e+00],  
[5.8385e+01, 5.7801e-02, 2.1556e+00],  
[2.4408e+00, 9.3058e-04, 2.0653e-01],  
[3.4244e+01, 1.5832e-01, 1.1551e+00],  
[1.7759e+02, 7.4776e+00, 4.0349e+00],  
[5.0523e-01, 9.7553e-05, 6.0497e-02],  
[1.5678e+01, 1.2723e-02, 1.0256e+00],  
[1.7893e-01, 1.0232e-05, 1.9876e-02],  
[3.3110e+00, 1.5161e-03, 2.6652e-01],  
[1.3510e+00, 2.4194e-04, 1.6485e-01],  
[1.7541e+01, 1.9693e-02, 5.7986e-01],  
[6.9429e+01, 1.5032e-01, 1.5654e+00],  
[1.4964e+01, 3.6405e-03, 4.6967e-01],  
[6.3752e+00, 3.0844e-03, 3.5039e-01],  
[1.5671e+01, 2.1395e-02, 5.4619e-01],  
[1.5837e+02, 2.8245e+00, 3.1758e+00],  
[6.3770e+00, 3.0464e-03, 3.2483e-01],  
[1.2059e+01, 1.4783e-02, 6.8108e-01],  
[8.2909e+01, 3.9616e-01, 1.7615e+00],  
[2.0618e+00, 4.8285e-04, 1.3814e-01],  
[1.7682e+00, 3.5794e-04, 1.2058e-01],  
[1.8297e+01, 9.0794e-02, 8.8225e-01],  
[2.4754e+00, 3.8429e-04, 2.0273e-01],

[1.5756e+01, 2.4173e-02, 4.4483e-01],  
[3.0106e+01, 1.1405e-01, 7.9905e-01],  
[2.1885e+01, 1.2984e-01, 1.1518e+00],  
[1.3061e-01, 1.1698e-05, 1.6751e-02],  
[1.6374e+01, 1.0645e-01, 9.2013e-01],  
[5.9600e-01, 3.4197e-05, 7.4843e-02],  
[7.6118e+01, 1.0350e+00, 2.1687e+00],  
[3.0307e-03, 4.6582e-09, 4.8460e-04],  
[8.4828e+01, 3.5746e-01, 3.5098e+00],  
[8.5812e-02, 6.8953e-06, 1.0554e-02],  
[3.9461e-02, 4.8961e-07, 5.4654e-03],  
[4.9882e+00, 2.6011e-03, 4.6778e-01],  
[6.4563e+00, 2.1431e-02, 7.2055e-01],  
[1.7612e+01, 2.0130e-02, 1.4093e+00],  
[8.7089e+00, 4.9220e-03, 8.1669e-01],  
[1.2396e+02, 9.9217e-01, 3.3055e+00],  
[1.5362e+02, 3.1272e+00, 2.6678e+00],  
[1.8356e+01, 5.1181e-03, 7.3462e-01],  
[8.6099e+01, 5.8982e-01, 3.5328e+00],  
[4.3205e-02, 9.4177e-07, 5.8940e-03],  
[2.6278e+02, 5.0271e+00, 4.3659e+00],  
[9.4078e+00, 7.9141e-03, 3.5161e-01],  
[4.1138e-02, 8.9692e-07, 5.8488e-03],  
[2.0303e+00, 2.3399e-03, 1.9326e-01],  
[2.3092e-01, 1.9192e-05, 2.6531e-02],  
[4.7610e+00, 2.4981e-03, 2.6500e-01],  
[7.4227e-01, 3.7102e-04, 8.8891e-02],  
[3.0293e+00, 1.4855e-03, 1.9592e-01],  
[7.2851e-02, 7.2290e-06, 1.0336e-02],  
[5.3934e-02, 1.4745e-06, 7.2558e-03],  
[1.0033e+02, 1.4486e+00, 2.2016e+00],  
[1.1396e+02, 2.0405e+00, 3.6259e+00],  
[4.4454e-03, 3.8088e-09, 7.0470e-04],  
[2.1507e+02, 5.3559e+00, 4.2189e+00],  
[2.9770e+01, 1.1904e-01, 1.5031e+00],  
[6.5076e-01, 9.9052e-05, 6.5991e-02],  
[6.8183e-01, 1.0088e-05, 4.8571e-02],  
[2.6794e+00, 1.3414e-03, 1.7001e-01],  
[1.7145e+00, 8.7762e-04, 1.4882e-01],  
[3.5065e-03, 2.6187e-09, 5.5908e-04],  
[8.4324e+00, 1.4067e-02, 6.9827e-01],  
[6.4202e+01, 4.2688e-01, 2.4959e+00],  
[9.8761e-03, 3.2097e-08, 1.5070e-03],  
[3.1343e-01, 1.6430e-05, 3.5584e-02],  
[3.2588e-01, 4.0294e-05, 2.8981e-02],  
[5.5667e-01, 2.5013e-04, 6.2956e-02],  
[2.2366e+00, 6.6800e-04, 1.5024e-01],  
[5.8031e+00, 1.7270e-02, 5.8545e-01],

```

[5.4886e+01, 4.8350e-01, 2.0990e+00],
[2.4011e+01, 1.2086e-01, 1.7257e+00],
[1.0949e+02, 2.8956e+00, 2.9961e+00],
[2.7601e+01, 8.0274e-02, 7.9407e-01]], dtype=torch.float64)
Iteration: 105
Inputs: tensor([[1.6946e+18, 3.7115e+02, 1.6327e+01, 9.9598e+00],
[6.8032e+19, 4.6217e+02, 1.9034e+01, 4.2589e+00],
[2.5101e+19, 4.7425e+02, 1.1378e+00, 6.9889e+00],
...,
[9.1585e+18, 2.3440e+02, 9.9008e+00, 7.6450e+00],
[2.3565e+19, 1.4955e+02, 1.7191e+01, 5.2916e+00],
[1.3651e+18, 2.1817e+02, 3.4768e+00, 6.8386e+00]], dtype=torch.float64)
Target: tensor([[3.2342e-01, 7.0561e-05, 3.0879e-02],
[2.2494e+01, 8.5715e-02, 9.8469e-01],
[2.6466e+01, 4.1492e-02, 6.2557e-01],
[6.7383e+00, 6.0926e-03, 3.8176e-01],
[3.7820e+01, 2.4231e-01, 1.6053e+00],
[2.5058e+01, 6.5899e-03, 8.2002e-01],
[1.2387e+00, 2.0998e-04, 9.5529e-02],
[3.2806e+01, 3.7366e-01, 1.3996e+00],
[1.0931e+02, 2.1038e+00, 2.7738e+00],
[4.4562e+00, 1.8417e-03, 3.8887e-01],
[1.4860e+00, 2.5522e-04, 1.3618e-01],
[7.0572e+01, 1.1503e+00, 1.7577e+00],
[1.0773e-01, 1.7860e-06, 1.5026e-02],
[5.8050e+01, 7.9308e-01, 2.1770e+00],
[1.9095e+02, 1.2196e-01, 4.3253e+00],
[3.8273e+00, 9.6603e-03, 4.2128e-01],
[1.5990e+01, 1.4507e-02, 9.7685e-01],
[4.9508e-01, 3.6434e-05, 4.8539e-02],
[8.3545e-01, 4.2288e-04, 8.6230e-02],
[1.0342e+00, 2.6219e-04, 1.0777e-01],
[4.4043e+00, 4.7859e-03, 4.2056e-01],
[1.3326e+01, 1.7873e-02, 4.7572e-01],
[3.4059e+01, 2.2585e-02, 8.6753e-01],
[2.0355e-02, 3.0114e-08, 2.9419e-03],
[1.0420e+01, 1.2424e-02, 4.0589e-01],
[2.1137e+01, 9.9775e-02, 9.4149e-01],
[9.2537e+00, 6.3949e-03, 8.3686e-01],
[3.2513e+01, 1.2489e-01, 1.8228e+00],
[1.1850e+01, 4.7492e-02, 6.6432e-01],
[1.2415e+00, 8.9033e-05, 1.2826e-01],
[1.4248e+00, 8.1246e-04, 1.0012e-01],
[2.6491e+01, 2.1457e-01, 1.0009e+00],
[1.7716e-01, 1.3606e-05, 2.0245e-02],
[1.5156e+02, 2.7992e+00, 3.2447e+00],
[1.1760e+00, 3.4700e-04, 1.2117e-01],
[2.5476e+01, 9.3156e-02, 7.0028e-01],

```

[3.3601e-01, 7.7527e-06, 4.5302e-02],  
[1.4446e+00, 1.3741e-04, 9.1139e-02],  
[5.3105e-01, 1.1115e-04, 5.8452e-02],  
[2.0044e+02, 3.1544e+00, 3.8078e+00],  
[1.0810e+02, 4.0056e-01, 3.1573e+00],  
[2.9293e-02, 5.3143e-07, 4.1818e-03],  
[3.2995e+01, 9.8547e-02, 2.1317e+00],  
[6.9999e-01, 1.3933e-04, 7.0976e-02],  
[7.3473e+00, 1.4102e-02, 4.3299e-01],  
[7.1824e-01, 1.7227e-04, 6.5886e-02],  
[1.6658e-01, 4.5637e-06, 2.4681e-02],  
[6.1856e+00, 3.3216e-04, 2.6935e-01],  
[2.7126e-01, 5.3209e-06, 2.5993e-02],  
[3.4095e+00, 9.4339e-04, 3.4049e-01],  
[1.0264e+00, 4.7779e-04, 1.0635e-01],  
[5.6601e+01, 1.0214e-01, 2.7186e+00],  
[1.3817e+01, 8.4738e-02, 8.8221e-01],  
[4.6084e-02, 3.6656e-07, 6.5307e-03],  
[5.0375e+00, 6.8794e-03, 4.1933e-01],  
[6.1319e-02, 2.0371e-06, 8.4383e-03],  
[3.7234e+00, 1.6070e-03, 3.6247e-01],  
[1.1519e+00, 5.8244e-04, 1.3431e-01],  
[9.2934e+00, 2.7148e-02, 5.1760e-01],  
[2.1261e+01, 8.5875e-02, 8.0549e-01],  
[1.6201e+01, 2.5843e-02, 1.4421e+00],  
[7.3100e+00, 8.0143e-03, 4.7695e-01],  
[9.5696e+00, 4.7090e-03, 5.7224e-01],  
[1.2481e+01, 1.2687e-02, 5.3398e-01],  
[9.9920e+00, 1.3763e-02, 4.3850e-01],  
[4.7464e+01, 1.8099e-01, 1.0111e+00],  
[3.9015e+00, 2.6705e-03, 3.6423e-01],  
[2.5887e+01, 1.7979e-02, 1.4288e+00],  
[3.7485e+00, 1.1114e-03, 3.2103e-01],  
[2.8163e+01, 1.1666e-02, 1.0186e+00],  
[1.2566e+00, 6.0407e-05, 9.2782e-02],  
[5.3023e+01, 6.4289e-01, 1.2948e+00],  
[1.2664e+02, 1.2709e+00, 2.4170e+00],  
[2.6970e+00, 1.6605e-03, 1.9294e-01],  
[1.4506e+01, 5.9834e-03, 5.3525e-01],  
[2.5321e+00, 5.8830e-04, 2.6441e-01],  
[2.0218e+01, 1.3970e-01, 9.8403e-01],  
[3.9808e-03, 1.2909e-08, 6.2245e-04],  
[1.3038e+01, 8.9952e-03, 8.4086e-01],  
[3.1134e+01, 1.0086e-01, 9.4221e-01],  
[3.7135e-02, 1.6488e-07, 5.3769e-03],  
[9.2790e-01, 1.9693e-04, 9.3634e-02],  
[2.9902e+00, 2.6236e-03, 1.7059e-01],  
[7.6670e+00, 7.4917e-03, 5.5302e-01],

[7.7131e+01, 1.6873e+00, 3.2414e+00],  
 [2.0707e+02, 1.0690e+00, 3.4939e+00],  
 [1.1578e-01, 4.8968e-06, 1.4419e-02],  
 [5.8554e+00, 1.0204e-02, 2.9171e-01],  
 [5.0775e-02, 3.7950e-07, 7.6582e-03],  
 [4.5460e+01, 2.4269e-01, 1.5289e+00],  
 [3.4168e-01, 7.8816e-05, 3.7586e-02],  
 [7.5946e+01, 1.1048e-01, 2.9526e+00],  
 [6.6210e+00, 1.4077e-02, 5.1046e-01],  
 [8.5209e+01, 2.2861e-01, 1.9792e+00],  
 [2.5473e-01, 1.8327e-05, 2.9992e-02],  
 [3.0959e+01, 1.6894e-01, 2.4935e+00],  
 [3.1041e+00, 1.2611e-03, 1.6846e-01],  
 [1.4868e+01, 7.7669e-03, 1.1563e+00],  
 [3.7897e-01, 4.5114e-05, 3.0818e-02],  
 [8.3333e+01, 3.4670e-01, 2.1707e+00],  
 [3.9449e-02, 7.0726e-08, 5.4439e-03],  
 [1.6235e+01, 2.2132e-02, 1.1206e+00],  
 [9.6596e+00, 4.8069e-02, 8.2659e-01],  
 [1.1192e+00, 2.9385e-04, 1.4689e-01],  
 [4.3601e-01, 1.0652e-05, 3.8844e-02],  
 [9.2359e-02, 5.8080e-06, 1.2052e-02],  
 [7.2454e-02, 4.6756e-06, 9.1675e-03],  
 [2.3631e-01, 2.8146e-05, 2.6968e-02],  
 [2.6937e-01, 8.3230e-06, 3.1918e-02],  
 [2.3570e+01, 6.7119e-02, 1.2905e+00],  
 [1.8033e+01, 5.3289e-03, 5.4883e-01],  
 [1.6443e+01, 4.0539e-02, 1.3498e+00],  
 [4.0478e+00, 7.2873e-03, 3.9937e-01],  
 [8.0164e+00, 3.7453e-03, 6.1891e-01],  
 [1.0487e-01, 1.5313e-06, 1.4322e-02],  
 [1.4928e+01, 6.1755e-03, 9.6500e-01],  
 [8.4221e+01, 5.5213e-01, 3.1062e+00],  
 [1.0336e+02, 2.6557e-01, 2.6381e+00],  
 [8.1125e+00, 5.8126e-04, 4.1657e-01],  
 [2.3422e+00, 7.6068e-04, 1.5497e-01],  
 [1.8653e+01, 3.7324e-02, 1.1725e+00],  
 [2.8432e+02, 8.3719e+00, 5.0005e+00],  
 [3.9166e-01, 2.6949e-05, 3.7353e-02],  
 [2.1166e-01, 5.6845e-06, 2.8223e-02],  
 [3.0942e-02, 9.5389e-07, 4.2590e-03],  
 [8.5868e+01, 8.4040e-01, 3.5632e+00],  
 [7.1000e+01, 1.2716e+00, 2.0523e+00],  
 [5.6869e+01, 6.6144e-01, 2.1236e+00],  
 [5.7672e+00, 4.8071e-03, 4.0716e-01],  
 [2.5597e+00, 4.4832e-04, 1.4031e-01],  
 [7.2687e+00, 2.7777e-03, 2.4311e-01],  
 [5.4397e-01, 3.9232e-05, 6.2716e-02],



[4.4584e-02, 4.3905e-07, 6.4968e-03],  
[1.1460e+01, 4.1306e-02, 1.1103e+00],  
[2.3346e+01, 5.8434e-02, 8.2141e-01],  
[2.2054e-01, 2.3570e-05, 2.1050e-02],  
[2.3771e-01, 1.2112e-05, 2.4146e-02],  
[5.8441e-01, 3.8234e-05, 5.8883e-02],  
[5.7996e+01, 2.2977e-01, 2.2297e+00],  
[8.1311e+00, 3.4675e-02, 6.1899e-01],  
[1.3126e+00, 5.4226e-04, 1.0479e-01],  
[1.6286e+02, 1.5783e+00, 3.4470e+00],  
[4.1563e-01, 1.8210e-05, 4.9434e-02],  
[4.5099e-01, 8.5603e-05, 5.2720e-02],  
[1.4203e+02, 2.4979e+00, 3.5542e+00],  
[5.2418e-01, 1.0653e-04, 5.8396e-02],  
[8.6299e-01, 1.6432e-04, 1.0778e-01],  
[4.8772e+01, 3.3688e-01, 1.9459e+00],  
[1.3842e+00, 9.2266e-05, 1.1212e-01],  
[2.2528e+01, 1.0824e-01, 1.0524e+00],  
[3.1303e+01, 8.1794e-02, 1.8017e+00],  
[1.7996e+00, 4.4987e-04, 1.2630e-01],  
[8.2697e+01, 5.4174e-01, 1.6592e+00],  
[2.0176e-02, 5.2720e-08, 3.0928e-03],  
[1.1663e+02, 1.6749e+00, 3.4642e+00],  
[3.3586e-02, 1.4054e-07, 4.7555e-03],  
[1.5433e-03, 4.6761e-10, 2.5047e-04],  
[2.7259e+01, 3.2569e-02, 1.1836e+00],  
[1.0816e+02, 1.4989e+00, 2.7679e+00],  
[8.3568e+01, 1.8317e-01, 2.8823e+00],  
[2.1100e+01, 2.0411e-02, 6.4391e-01],  
[7.7580e-01, 2.6797e-04, 7.5274e-02],  
[2.7242e-01, 1.1625e-05, 3.3724e-02],  
[9.9875e-01, 6.9907e-04, 1.0610e-01],  
[6.6460e-02, 8.2360e-07, 8.2529e-03],  
[1.1284e+01, 8.5868e-02, 7.9422e-01],  
[9.0888e+00, 4.9722e-03, 7.3162e-01],  
[1.6119e+02, 2.7787e+00, 3.9113e+00],  
[1.4619e+00, 3.4581e-04, 1.0506e-01],  
[6.1406e+00, 1.0062e-02, 3.8881e-01],  
[1.7222e-01, 2.3144e-06, 1.7428e-02],  
[5.8153e+01, 4.0264e-01, 1.4850e+00],  
[6.9021e-01, 2.6379e-04, 8.5923e-02],  
[4.4979e-02, 1.8613e-07, 6.8853e-03],  
[1.4860e-01, 1.9312e-06, 2.0427e-02],  
[5.1386e+01, 9.2866e-02, 3.1464e+00],  
[2.8078e+01, 1.3797e-01, 1.1291e+00],  
[1.2966e+02, 1.9502e+00, 2.5054e+00],  
[1.1219e+01, 8.4107e-04, 5.7506e-01],  
[1.8924e+00, 2.9603e-04, 1.3784e-01],

[1.8526e+01, 1.4963e-01, 1.5708e+00],  
 [3.6901e+01, 1.5007e-01, 1.5787e+00],  
 [3.7650e+00, 4.5295e-04, 2.5331e-01],  
 [1.1076e+02, 2.1610e+00, 3.8124e+00],  
 [1.3199e-01, 1.1415e-05, 1.6983e-02],  
 [3.0141e+01, 1.6710e-02, 1.1106e+00],  
 [5.8775e-04, 1.3153e-10, 9.5560e-05],  
 [1.8096e-01, 2.0443e-06, 2.2262e-02],  
 [8.0958e+01, 4.8445e-01, 2.7627e+00],  
 [3.9825e+01, 1.0170e-01, 9.6774e-01],  
 [3.9186e+01, 3.3051e-02, 1.3348e+00],  
 [1.7167e+00, 6.4029e-04, 1.2502e-01],  
 [4.0105e+01, 1.4017e-02, 1.6538e+00],  
 [1.2111e-01, 2.7552e-06, 1.4924e-02],  
 [9.4246e-01, 2.4572e-04, 6.9824e-02],  
 [1.0637e+02, 1.0415e+00, 3.2829e+00],  
 [3.8030e-02, 4.9841e-07, 5.0816e-03],  
 [6.6871e+01, 4.8647e-01, 2.8749e+00],  
 [2.1135e+00, 1.2144e-04, 1.4591e-01],  
 [2.6147e-02, 5.0039e-07, 4.0606e-03],  
 [8.4788e+00, 5.1827e-02, 6.7577e-01],  
 [1.0652e+00, 9.5677e-05, 1.0976e-01],  
 [3.0761e+02, 3.6924e+00, 4.7987e+00],  
 [9.0264e+01, 1.4170e+00, 2.6337e+00],  
 [1.5008e+00, 6.2078e-04, 1.1111e-01],  
 [8.8253e+01, 2.6927e-01, 2.7596e+00],  
 [6.0057e+00, 5.7884e-03, 4.5334e-01],  
 [4.8084e+01, 2.1609e-01, 1.1524e+00],  
 [1.9089e+00, 5.8032e-05, 1.7099e-01],  
 [2.1321e-01, 6.5460e-05, 3.0423e-02],  
 [1.3883e+00, 1.9584e-04, 1.6530e-01],  
 [5.7488e+01, 2.3549e-01, 2.8623e+00],  
 [1.6142e+01, 4.2845e-02, 6.6898e-01],  
 [1.3246e-01, 1.1240e-05, 1.8227e-02],  
 [2.6186e+01, 6.8402e-02, 1.8130e+00],  
 [1.9086e+01, 1.5819e-02, 5.1946e-01],  
 [9.0217e+00, 7.4621e-03, 7.1630e-01],  
 [3.5486e+01, 3.2985e-01, 1.7726e+00],  
 [3.6321e+01, 1.2246e-01, 9.5662e-01],  
 [8.4636e+01, 9.1983e-01, 2.1120e+00],  
 [9.8200e-01, 5.6235e-04, 8.1833e-02],  
 [7.3530e+00, 6.2745e-03, 5.2309e-01],  
 [3.1283e+01, 2.7598e-01, 1.6106e+00],  
 [1.4721e+01, 6.2556e-02, 6.0394e-01],  
 [6.7066e+01, 5.4011e-01, 2.9300e+00],  
 [1.2877e+01, 3.1724e-02, 5.0647e-01],  
 [3.7643e-04, 3.5537e-11, 6.1842e-05],  
 [5.5953e-03, 3.8239e-08, 8.8583e-04],

[2.1908e-01, 1.1130e-06, 2.1806e-02],  
 [1.2584e+02, 5.3401e-01, 4.2610e+00],  
 [8.9420e-02, 6.7327e-06, 1.1644e-02],  
 [1.6113e+02, 4.0116e+00, 4.3440e+00],  
 [3.2557e+01, 2.0631e-01, 9.9728e-01],  
 [1.0803e+01, 1.6274e-02, 4.8576e-01],  
 [4.1196e+00, 9.1614e-04, 2.7426e-01],  
 [3.0834e+00, 1.4256e-03, 2.1792e-01],  
 [9.6950e-01, 5.0679e-05, 9.1467e-02],  
 [4.0302e-01, 1.8855e-05, 3.0742e-02],  
 [2.4068e+00, 1.3151e-03, 1.9053e-01],  
 [6.2494e+00, 1.0032e-02, 6.9523e-01],  
 [1.0499e+02, 1.1091e+00, 2.0021e+00],  
 [3.9831e-01, 8.8791e-06, 4.5734e-02],  
 [3.9181e+00, 2.2197e-03, 4.5515e-01],  
 [7.9074e-01, 3.5867e-05, 7.3026e-02],  
 [1.0629e+00, 2.3665e-04, 9.9583e-02],  
 [4.4631e+00, 4.0891e-04, 2.7926e-01],  
 [2.7416e-01, 5.7522e-05, 2.9909e-02],  
 [1.2908e+02, 5.2755e+00, 4.4573e+00],  
 [8.5449e+00, 4.3542e-03, 3.7618e-01],  
 [7.5803e+00, 8.3701e-03, 3.9456e-01],  
 [3.3227e+00, 5.2082e-03, 2.8659e-01],  
 [1.0219e+00, 5.0109e-04, 1.4175e-01],  
 [9.4354e-01, 1.6779e-04, 9.0138e-02],  
 [2.7925e+00, 2.0004e-04, 2.2824e-01],  
 [4.2794e+01, 9.2869e-03, 1.2348e+00],  
 [2.6827e-01, 2.4393e-05, 3.1191e-02],  
 [2.7281e+01, 2.9901e-01, 1.0426e+00],  
 [1.5668e-01, 1.3199e-05, 1.6677e-02],  
 [9.4918e-01, 2.1165e-04, 9.7158e-02],  
 [3.7195e+00, 4.3835e-03, 4.4540e-01],  
 [1.8115e+00, 4.9052e-04, 1.4524e-01],  
 [7.1617e+01, 4.0801e-01, 2.2911e+00],  
 [5.8799e+00, 7.6680e-03, 4.0153e-01],  
 [2.4572e+00, 5.0168e-04, 1.8638e-01],  
 [2.7119e-01, 5.6452e-05, 2.7438e-02],  
 [1.2055e+00, 4.4027e-04, 1.0238e-01],  
 [3.3872e+00, 2.2854e-03, 2.4130e-01],  
 [1.0620e+00, 1.6874e-04, 1.1693e-01],  
 [2.0878e+00, 1.1812e-03, 1.6133e-01],  
 [1.2659e+01, 5.9109e-02, 1.1644e+00],  
 [3.0244e-01, 2.7153e-05, 2.6408e-02],  
 [2.9891e+00, 1.7604e-03, 2.9886e-01],  
 [1.1367e+02, 7.4153e-01, 1.9822e+00],  
 [1.0057e-02, 6.3472e-08, 1.5131e-03],  
 [1.4121e+00, 2.5929e-04, 1.5826e-01],  
 [9.9365e+00, 9.0963e-03, 3.2808e-01],

```

[2.5544e-02, 1.5293e-07, 3.8223e-03],
[1.1367e+02, 1.1730e+00, 2.4181e+00],
[1.6920e+01, 2.1635e-02, 1.1357e+00],
[8.6576e-02, 5.7497e-06, 1.1244e-02],
[3.9365e+01, 6.8791e-02, 2.6157e+00],
[2.5863e+00, 8.9237e-04, 1.7358e-01],
[3.9373e+00, 5.2464e-03, 3.1754e-01],
[1.4520e+01, 7.6743e-03, 8.2040e-01],
[1.5462e-01, 2.1425e-05, 1.9030e-02],
[2.0824e+00, 1.5373e-03, 1.6382e-01],
[8.1091e+01, 4.0637e-01, 3.4527e+00],
[5.3734e+01, 2.2761e-01, 1.2899e+00],
[1.8679e-01, 1.7106e-05, 2.1462e-02],
[1.4462e+01, 4.0540e-02, 5.3532e-01],
[3.6286e+01, 1.3341e-01, 1.0394e+00],
[1.5492e+01, 1.8799e-02, 5.5627e-01],
[1.0630e+02, 1.4311e+00, 1.9071e+00],
[3.7741e+01, 1.4174e-01, 1.7933e+00],
[3.7910e+01, 3.3543e-01, 2.7137e+00],
[4.7858e+01, 1.5693e-02, 2.2470e+00],
[5.6904e+01, 1.3163e-01, 1.5774e+00],
[1.3632e+00, 6.6083e-04, 1.4322e-01],
[3.5972e-01, 5.7947e-06, 3.3648e-02],
[7.6910e-01, 5.2338e-05, 8.1381e-02],
[1.0912e+01, 1.9314e-02, 9.0163e-01],
[1.3650e-02, 3.1505e-08, 2.0946e-03],
[6.7061e+00, 7.0131e-03, 4.1939e-01],
[2.1134e+02, 3.8584e+00, 4.0975e+00],
[3.7292e-01, 3.9680e-05, 4.6549e-02],
[1.6989e-01, 1.1121e-06, 1.7528e-02],
[1.4667e-02, 6.7065e-08, 2.2263e-03],
[1.3613e+00, 2.8363e-04, 1.0560e-01],
[4.4690e+00, 2.2694e-03, 1.8653e-01],
[8.3746e-01, 1.2743e-04, 9.1090e-02],
[7.0434e-02, 1.4347e-06, 9.6474e-03],
[8.4311e-01, 1.0519e-04, 5.9149e-02],
[1.2995e+02, 4.2061e+00, 3.4013e+00],
[3.6844e+00, 7.5073e-03, 3.0769e-01],
[5.6163e+01, 4.4409e-01, 3.0807e+00],
[1.1399e-01, 6.8814e-06, 1.4350e-02],
[9.2729e+01, 2.9527e-02, 1.8722e+00],
[2.4246e+00, 1.6089e-03, 1.8029e-01],
[2.0861e+00, 1.9002e-03, 2.0649e-01],
[2.3416e-01, 1.0871e-05, 2.3250e-02]], dtype=torch.float64)

```

Iteration: 106

```

Inputs: tensor([[3.5973e+18, 4.4710e+02, 1.7555e+00, 5.3938e+00],
               [2.6613e+20, 4.8338e+02, 1.3896e+00, 3.4912e+00],
               [2.6351e+18, 2.1521e+01, 4.7488e+00, 1.5023e+00],

```

```

...,
[1.9495e+18, 2.9607e+02, 3.0591e+00, 6.5298e+00],
[7.6742e+18, 5.1301e+01, 7.1425e+00, 6.4749e+00],
[2.1795e+19, 8.5077e+01, 2.2923e+00, 1.1875e+00]], dtype=torch.float64)
Target: tensor([[2.6469e+00, 3.1811e-04, 1.2706e-01],
[1.5160e+02, 4.2225e-01, 2.5582e+00],
[1.3004e-03, 1.2832e-10, 2.1124e-04],
[3.7386e+02, 8.1288e+00, 5.1448e+00],
[6.8442e-01, 8.0412e-05, 6.4414e-02],
[4.4388e+01, 7.4143e-01, 2.8730e+00],
[1.6470e-01, 1.0400e-05, 2.4189e-02],
[7.3029e-02, 2.3929e-06, 9.8274e-03],
[6.0647e+01, 5.9655e-01, 2.9645e+00],
[6.1557e-04, 1.1906e-10, 1.0008e-04],
[8.5016e+01, 6.8871e-01, 3.6412e+00],
[2.5740e+00, 5.1117e-03, 3.0796e-01],
[2.3752e+00, 8.0774e-04, 1.7042e-01],
[7.1215e+00, 8.1942e-03, 4.4892e-01],
[2.0601e-02, 1.2490e-07, 2.9799e-03],
[1.0434e+01, 7.7805e-03, 5.1207e-01],
[4.1201e+01, 1.6351e-01, 1.7356e+00],
[1.0401e-03, 9.0486e-11, 1.7020e-04],
[4.7022e+00, 4.3261e-04, 3.1423e-01],
[6.3603e-02, 1.2472e-06, 8.9891e-03],
[3.8787e+01, 1.4364e-01, 2.0794e+00],
[1.6378e+02, 3.0161e+00, 4.6512e+00],
[2.5690e+01, 1.4570e-01, 1.3839e+00],
[2.5570e+01, 3.3494e-02, 8.9139e-01],
[1.1070e+01, 1.8458e-02, 6.1222e-01],
[8.0379e+00, 1.2366e-02, 5.7255e-01],
[6.4731e-03, 9.4649e-09, 1.0393e-03],
[3.5710e+00, 3.5031e-03, 2.4247e-01],
[4.9629e-03, 1.7028e-08, 7.7984e-04],
[2.0776e+00, 1.6550e-03, 2.2009e-01],
[1.8168e+02, 3.7565e+00, 3.6354e+00],
[4.4791e+01, 2.0202e-01, 2.2947e+00],
[1.0252e+02, 1.9059e-01, 2.2833e+00],
[1.7492e+02, 4.9504e+00, 3.3279e+00],
[6.0697e+01, 4.6009e-02, 1.2237e+00],
[1.5261e+01, 2.9494e-02, 7.4049e-01],
[1.2056e-03, 2.4913e-10, 1.9366e-04],
[1.4452e+00, 8.1170e-04, 1.5899e-01],
[1.4635e+01, 5.0072e-02, 8.3595e-01],
[7.6871e+00, 1.1587e-02, 3.8057e-01],
[7.1005e-01, 1.4273e-04, 7.0950e-02],
[7.2424e+00, 3.3906e-02, 7.3360e-01],
[1.0984e+01, 1.9101e-02, 4.2764e-01],
[3.8082e+00, 6.1094e-03, 3.2301e-01],

```

[1.6651e+00, 1.1013e-03, 1.7818e-01],  
 [1.6041e-02, 1.9921e-07, 2.3639e-03],  
 [1.2828e+02, 5.9760e-01, 2.1795e+00],  
 [1.7916e+01, 1.6978e-02, 8.5261e-01],  
 [1.3132e-01, 1.3439e-05, 1.9625e-02],  
 [1.4001e+02, 5.9499e-01, 4.2932e+00],  
 [2.1776e+00, 4.5731e-04, 1.9449e-01],  
 [6.2854e-01, 1.7901e-05, 7.2165e-02],  
 [2.7121e-01, 3.3764e-05, 2.4329e-02],  
 [3.3536e+01, 1.4757e-01, 9.8023e-01],  
 [2.7539e-01, 2.5971e-05, 3.2757e-02],  
 [3.7159e+01, 4.9763e-02, 1.4299e+00],  
 [9.2633e-01, 2.8650e-04, 1.3152e-01],  
 [1.1748e+00, 1.0818e-04, 1.1969e-01],  
 [4.1765e+01, 4.7586e-01, 1.2515e+00],  
 [1.7307e+00, 1.0715e-03, 1.7473e-01],  
 [1.0424e+02, 2.7748e+00, 3.2296e+00],  
 [6.3408e+00, 1.8774e-03, 3.1245e-01],  
 [1.2175e+00, 9.1403e-05, 1.1117e-01],  
 [5.3968e-01, 8.6658e-05, 5.7115e-02],  
 [1.3657e+02, 9.0564e-01, 2.8150e+00],  
 [2.6745e+00, 4.1860e-03, 2.1743e-01],  
 [8.0748e+00, 1.0541e-03, 3.6209e-01],  
 [4.2548e+01, 2.4782e-01, 1.1635e+00],  
 [2.3938e+01, 6.7444e-02, 9.4808e-01],  
 [7.7897e+01, 9.2627e-02, 2.8812e+00],  
 [3.2531e+00, 3.8548e-03, 2.6486e-01],  
 [6.5814e+01, 6.1280e-01, 3.0924e+00],  
 [1.7033e+01, 4.6767e-02, 1.4397e+00],  
 [4.4653e-01, 6.8385e-05, 4.7903e-02],  
 [2.9959e+00, 2.1305e-03, 2.6418e-01],  
 [3.7469e+01, 2.6702e-02, 1.0349e+00],  
 [3.2994e+00, 1.3468e-03, 2.1390e-01],  
 [6.0543e-03, 7.1789e-09, 9.4174e-04],  
 [1.2160e-02, 4.0862e-08, 1.8232e-03],  
 [4.0198e+01, 1.7472e-01, 1.5460e+00],  
 [7.7981e+01, 2.0435e+00, 2.7311e+00],  
 [7.4351e-02, 1.0584e-06, 1.0520e-02],  
 [1.8722e+00, 3.1263e-03, 1.8045e-01],  
 [1.5255e+00, 3.3958e-05, 1.0726e-01],  
 [1.1169e+02, 1.6360e+00, 3.8081e+00],  
 [2.3806e-02, 4.9346e-08, 3.4818e-03],  
 [1.1285e+01, 1.4938e-02, 6.8038e-01],  
 [3.9033e+00, 3.1651e-03, 2.9670e-01],  
 [3.8243e+01, 3.2167e-01, 1.2726e+00],  
 [5.8319e+01, 2.6579e-02, 2.0582e+00],  
 [1.2995e-01, 5.8707e-06, 1.7916e-02],  
 [1.4409e+01, 1.4522e-02, 9.9581e-01],

[5.0850e-02, 4.3688e-07, 7.1839e-03],  
 [3.4322e-01, 4.1876e-05, 3.4058e-02],  
 [1.4289e+02, 2.3002e-01, 2.7552e+00],  
 [1.0715e+02, 7.5184e-01, 3.8912e+00],  
 [1.9970e-01, 1.9418e-05, 2.1148e-02],  
 [3.1535e-01, 2.8318e-05, 3.3034e-02],  
 [4.6083e+01, 2.6444e-01, 1.6273e+00],  
 [2.1144e+00, 6.6778e-04, 1.4164e-01],  
 [1.6355e-01, 5.7699e-06, 1.8582e-02],  
 [1.6347e+02, 1.7889e+00, 3.5909e+00],  
 [4.5396e-01, 2.4607e-05, 3.3003e-02],  
 [7.4532e+01, 1.8297e-01, 1.6382e+00],  
 [8.5620e-03, 1.1368e-07, 1.3261e-03],  
 [5.1482e+01, 4.4643e-01, 3.3309e+00],  
 [5.1037e-02, 1.4012e-06, 6.7009e-03],  
 [6.2136e+01, 2.5821e-01, 1.4326e+00],  
 [2.4997e+02, 6.2594e+00, 4.2217e+00],  
 [7.6597e+00, 7.5017e-03, 5.1731e-01],  
 [3.0739e-01, 4.2974e-05, 3.0819e-02],  
 [4.1339e+00, 6.4214e-03, 3.2735e-01],  
 [2.5329e+00, 1.1808e-03, 2.3293e-01],  
 [1.3680e+02, 6.9005e-02, 2.9658e+00],  
 [2.7168e+00, 1.5359e-04, 1.4046e-01],  
 [8.1358e+01, 1.7468e-01, 3.2047e+00],  
 [2.5139e+01, 8.1334e-03, 6.9208e-01],  
 [1.9413e+01, 1.0917e-01, 9.6542e-01],  
 [7.0555e-02, 3.1994e-06, 9.4657e-03],  
 [1.0008e+02, 2.3349e+00, 2.3789e+00],  
 [5.1952e-01, 5.7337e-05, 5.8972e-02],  
 [2.8997e+01, 4.3955e-02, 8.6303e-01],  
 [1.2846e-01, 6.7280e-06, 1.5310e-02],  
 [4.4611e-03, 2.3476e-08, 6.9832e-04],  
 [2.5618e+01, 4.5746e-02, 1.3039e+00],  
 [2.4218e+01, 4.0166e-02, 6.6712e-01],  
 [1.0040e+00, 5.7564e-04, 1.1138e-01],  
 [4.6376e-01, 7.4279e-06, 5.6274e-02],  
 [1.4904e-01, 4.8202e-06, 2.1483e-02],  
 [2.9267e-01, 1.3617e-05, 2.4754e-02],  
 [1.2674e+01, 3.4485e-02, 1.0613e+00],  
 [3.6534e+01, 2.1644e-01, 2.3337e+00],  
 [2.3139e-01, 3.2300e-05, 3.2277e-02],  
 [6.7949e+01, 8.4504e-01, 1.9322e+00],  
 [6.9856e-02, 2.4960e-06, 8.8329e-03],  
 [3.2273e-01, 1.4425e-05, 3.7181e-02],  
 [1.4049e+02, 2.9659e+00, 3.8839e+00],  
 [4.9903e+01, 9.1920e-01, 1.7158e+00],  
 [1.1046e+01, 1.5794e-02, 4.0688e-01],  
 [3.7668e-03, 4.6441e-09, 5.9081e-04],

[3.9251e+00, 5.7286e-03, 2.4792e-01],  
[6.2728e-02, 5.6397e-07, 8.7400e-03],  
[1.2004e+02, 5.6569e-01, 2.3930e+00],  
[1.4827e+02, 5.8373e+00, 4.1282e+00],  
[6.7514e-01, 6.4960e-05, 6.4566e-02],  
[3.4776e+01, 6.6420e-02, 7.7597e-01],  
[9.5319e-01, 1.0464e-04, 7.1601e-02],  
[5.4733e+01, 1.4734e-01, 1.5604e+00],  
[3.0473e+01, 5.6463e-02, 8.5811e-01],  
[6.9196e-02, 2.0308e-06, 1.0906e-02],  
[6.1650e-01, 5.4229e-05, 5.2971e-02],  
[6.0237e+01, 9.2627e-01, 3.1822e+00],  
[1.5985e+02, 2.1890e+00, 4.7797e+00],  
[5.3125e-02, 1.3915e-06, 7.2629e-03],  
[9.2771e-01, 8.7115e-05, 1.1372e-01],  
[6.7460e+01, 7.8971e-01, 1.7858e+00],  
[7.9894e-01, 3.5341e-04, 8.7697e-02],  
[3.1613e+00, 8.9536e-04, 1.9452e-01],  
[3.5474e+01, 1.5246e-01, 8.3403e-01],  
[2.5200e+01, 1.0885e-02, 7.4280e-01],  
[1.2060e+02, 2.8339e+00, 2.9232e+00],  
[5.1369e-02, 5.6021e-06, 7.7706e-03],  
[9.5173e+00, 6.7319e-03, 7.9081e-01],  
[1.7831e+01, 2.1744e-02, 8.6638e-01],  
[3.1684e+00, 5.1962e-03, 2.7199e-01],  
[2.7385e-01, 5.8681e-06, 3.3956e-02],  
[2.3766e+01, 1.3253e-01, 9.2440e-01],  
[8.2684e-02, 7.4308e-06, 1.0984e-02],  
[1.7265e+00, 6.1473e-04, 1.3772e-01],  
[9.9464e+00, 6.2937e-02, 7.3868e-01],  
[1.0558e+01, 3.3829e-02, 6.7908e-01],  
[4.7745e+01, 4.0126e-01, 1.8132e+00],  
[5.4104e-02, 8.7898e-07, 7.7164e-03],  
[1.3065e+01, 5.3519e-02, 1.2008e+00],  
[2.7964e-01, 1.8843e-05, 3.0417e-02],  
[2.7941e+01, 9.7768e-02, 1.3547e+00],  
[1.3521e+02, 1.6637e+00, 4.3417e+00],  
[3.3784e+01, 1.0698e-02, 1.5216e+00],  
[7.7820e+01, 2.9348e-01, 3.8957e+00],  
[6.2326e+00, 9.6928e-03, 3.2542e-01],  
[1.2542e+00, 6.8839e-04, 1.2054e-01],  
[2.8128e+01, 2.8333e-02, 1.3431e+00],  
[2.1155e+01, 4.0029e-02, 1.5801e+00],  
[2.7392e+00, 2.3902e-03, 2.2881e-01],  
[1.4516e+01, 6.8713e-02, 1.2722e+00],  
[1.5746e-01, 1.5194e-05, 2.1335e-02],  
[8.4635e+01, 6.8302e-01, 2.9514e+00],  
[4.0756e+01, 4.2476e-01, 1.9845e+00],



[4.2571e-01, 8.7619e-05, 4.8506e-02],  
 [3.9426e-01, 2.1067e-05, 4.0099e-02],  
 [4.5961e-01, 6.7007e-05, 5.1549e-02],  
 [1.3121e+00, 8.6468e-05, 7.6524e-02],  
 [2.5447e+01, 2.1889e-01, 8.7937e-01],  
 [9.9946e+01, 1.9812e+00, 2.6320e+00],  
 [5.7190e-01, 1.3063e-04, 5.5162e-02],  
 [4.2813e-02, 1.2451e-06, 6.2204e-03],  
 [1.3641e+01, 1.1803e-01, 8.3689e-01],  
 [3.4160e+00, 1.3776e-03, 2.0811e-01],  
 [1.0934e+02, 2.5759e+00, 3.3348e+00],  
 [4.1786e-01, 1.5934e-04, 5.1490e-02],  
 [7.3776e+01, 8.5842e-01, 1.5198e+00],  
 [1.1657e+01, 1.1306e-02, 4.6118e-01],  
 [1.1825e+02, 1.8231e+00, 2.9715e+00],  
 [8.9986e-01, 7.8019e-05, 9.5111e-02],  
 [1.1093e+02, 6.3669e-01, 3.7522e+00],  
 [2.3599e+01, 1.5987e-01, 8.6258e-01],  
 [3.3582e+01, 4.1871e-02, 2.4296e+00],  
 [1.1015e+00, 3.5659e-05, 1.0511e-01],  
 [3.5290e+01, 1.3148e-01, 1.9334e+00],  
 [2.3973e-01, 2.2104e-05, 2.4331e-02],  
 [2.3944e+01, 1.1000e-01, 1.6442e+00],  
 [2.4291e+01, 1.0925e-01, 8.2390e-01],  
 [2.2936e-01, 3.6742e-05, 3.1336e-02],  
 [3.5874e-01, 6.4307e-06, 2.8727e-02],  
 [9.7833e+00, 1.9272e-02, 4.9968e-01],  
 [2.2071e+02, 5.3320e+00, 4.4546e+00],  
 [5.7428e+00, 3.6865e-03, 2.3288e-01],  
 [1.8609e+00, 1.8928e-03, 2.4020e-01],  
 [2.0184e-01, 9.8692e-06, 2.5621e-02],  
 [7.7315e-02, 6.1761e-07, 9.4501e-03],  
 [4.3856e+01, 2.6381e-01, 2.3703e+00],  
 [1.7029e+02, 1.2402e-01, 3.5044e+00],  
 [2.1422e+00, 3.3027e-04, 1.3186e-01],  
 [2.0202e-02, 3.9710e-08, 2.9742e-03],  
 [9.8027e-01, 2.5654e-04, 7.9736e-02],  
 [2.3469e+00, 1.2970e-03, 2.4585e-01],  
 [5.7933e+01, 1.9819e-01, 1.4903e+00],  
 [3.1591e+02, 3.9921e+00, 4.9444e+00],  
 [9.4573e+01, 1.3079e+00, 2.5433e+00],  
 [2.3238e-01, 8.5617e-06, 3.0113e-02],  
 [1.5648e-01, 1.1427e-05, 1.7092e-02],  
 [9.4707e+01, 1.5357e-01, 2.2202e+00],  
 [2.0477e+00, 1.2308e-03, 1.2562e-01],  
 [2.3339e+02, 5.3316e+00, 4.8849e+00],  
 [9.3820e+00, 1.4119e-02, 7.4967e-01],  
 [4.1096e-02, 1.6104e-06, 5.5457e-03],

[7.0664e+00, 6.0650e-04, 3.6869e-01],  
 [1.0616e-02, 1.5684e-07, 1.6331e-03],  
 [2.2795e+00, 1.0078e-03, 2.0931e-01],  
 [1.3886e+00, 4.3186e-04, 1.3594e-01],  
 [1.3345e+00, 9.2674e-04, 1.0252e-01],  
 [3.3185e+00, 5.0278e-03, 3.0091e-01],  
 [1.5717e+02, 1.5713e+00, 3.6721e+00],  
 [2.5760e+01, 1.4507e-01, 1.0505e+00],  
 [5.3809e+01, 6.1848e-01, 2.8237e+00],  
 [1.8291e+01, 3.5840e-02, 1.1851e+00],  
 [1.0620e+02, 1.1791e+00, 2.7588e+00],  
 [8.3492e-01, 3.4404e-04, 9.9828e-02],  
 [9.1736e+01, 6.4660e-02, 1.7400e+00],  
 [8.8935e+01, 5.5455e-01, 2.7835e+00],  
 [2.0571e+01, 3.0651e-02, 1.5192e+00],  
 [1.4210e+00, 9.4643e-04, 1.1178e-01],  
 [3.1601e+01, 1.0447e-01, 9.2533e-01],  
 [3.8823e-02, 4.1230e-07, 5.9192e-03],  
 [1.1597e+00, 1.0886e-04, 1.1054e-01],  
 [1.1486e+00, 6.0371e-04, 1.0729e-01],  
 [4.9424e+01, 3.6725e-01, 1.3500e+00],  
 [2.2193e+01, 1.0544e-01, 7.5113e-01],  
 [1.1510e+01, 1.1664e-02, 7.0038e-01],  
 [1.0428e+02, 1.8165e+00, 4.0256e+00],  
 [7.2942e-01, 9.2160e-05, 8.0185e-02],  
 [2.2034e-01, 7.4010e-06, 2.3009e-02],  
 [4.5735e+01, 2.5048e-01, 1.8658e+00],  
 [4.8651e-04, 4.0908e-11, 7.9721e-05],  
 [7.3224e-03, 1.7882e-08, 1.1492e-03],  
 [3.9214e-02, 1.4019e-06, 5.9577e-03],  
 [3.3147e+00, 1.2298e-04, 2.0474e-01],  
 [4.1778e+01, 2.7012e-01, 2.7606e+00],  
 [2.2445e+02, 4.1447e+00, 4.0060e+00],  
 [3.9273e+00, 4.1110e-04, 3.0016e-01],  
 [3.2776e+01, 1.3240e-01, 2.6114e+00],  
 [8.5453e+01, 1.4792e-01, 3.7218e+00],  
 [1.8477e+01, 8.7639e-02, 7.6041e-01],  
 [1.4730e+02, 1.1157e+00, 3.7352e+00],  
 [4.8067e+00, 2.9272e-03, 2.4364e-01],  
 [2.4886e+00, 1.8929e-03, 1.4898e-01],  
 [3.0817e+01, 2.7978e-01, 1.1050e+00],  
 [7.2041e-01, 1.5398e-04, 9.5947e-02],  
 [1.9347e+01, 1.9164e-02, 7.0702e-01],  
 [2.0458e+02, 6.3826e+00, 4.7617e+00],  
 [1.8000e+02, 3.8062e+00, 4.4080e+00],  
 [1.3276e-01, 1.6383e-06, 1.8720e-02],  
 [3.1368e+00, 1.5517e-04, 1.3943e-01],  
 [7.3505e-01, 1.7011e-04, 8.5736e-02],

```

[5.9652e+01, 3.1719e-01, 2.4868e+00],
[3.4761e+00, 7.3832e-04, 2.4263e-01],
[1.4090e+02, 3.7842e+00, 4.4333e+00],
[1.1862e+02, 1.9250e+00, 3.4918e+00],
[2.8525e-02, 4.4311e-07, 4.2733e-03],
[5.4024e-03, 1.8909e-08, 8.6861e-04],
[3.4475e-01, 7.0941e-06, 3.7633e-02],
[5.2634e-01, 1.2528e-04, 5.0574e-02],
[2.5947e+01, 9.3016e-02, 9.3129e-01],
[3.5010e+00, 2.1579e-03, 2.1992e-01],
[4.0206e-01, 7.4737e-05, 4.0610e-02],
[9.4227e+01, 1.5451e+00, 2.5677e+00],
[1.0388e+01, 1.3935e-02, 8.6806e-01],
[1.0663e+02, 1.7481e+00, 2.9057e+00],
[1.0337e-01, 5.8897e-06, 1.1830e-02],
[2.6018e-02, 2.2704e-07, 3.6205e-03],
[6.8690e-01, 3.9528e-04, 8.1518e-02],
[6.5256e+00, 2.3870e-03, 3.6302e-01],
[2.2436e+01, 7.1378e-02, 1.0512e+00],
[1.7359e+01, 5.1710e-02, 7.5611e-01],
[2.1524e-01, 2.3350e-05, 2.6732e-02],
[4.0068e+00, 6.0666e-03, 3.0692e-01],
[8.6060e+01, 6.9587e-01, 2.3520e+00],
[1.7974e-01, 3.1856e-05, 2.4786e-02],
[5.6910e+01, 1.4572e+00, 3.1580e+00],
[5.0263e+01, 6.0679e-01, 1.7942e+00],
[1.8853e+01, 1.3471e-01, 9.5877e-01],
[6.2034e+00, 6.3434e-03, 3.3282e-01],
[4.7500e+01, 2.9217e-02, 1.8898e+00],
[7.9351e+00, 1.9134e-02, 4.6434e-01],
[4.7108e+01, 3.7547e-01, 1.8422e+00],
[1.6984e+02, 4.8038e+00, 4.5447e+00],
[1.6554e+01, 7.0276e-02, 9.1165e-01],
[6.5002e-01, 5.1191e-05, 5.0355e-02],
[1.7134e-01, 1.4667e-05, 2.3275e-02],
[1.3311e+00, 3.1859e-05, 1.4598e-01]], dtype=torch.float64)
Iteration: 107
Inputs: tensor([[3.0882e+20, 1.4281e+02, 9.6187e+00, 3.4878e+00],
               [4.4766e+18, 2.6678e+02, 1.5322e+01, 7.5595e+00],
               [3.1947e+18, 3.7614e+02, 1.0828e+01, 9.4091e+00],
               ...,
               [2.0717e+18, 4.1412e+02, 1.7310e+01, 3.5714e+00],
               [2.3657e+18, 3.1562e+02, 1.1252e+01, 7.3785e+00],
               [6.9043e+19, 3.4220e+02, 9.0411e+00, 4.9320e+00]], dtype=torch.float64)
Target: tensor([[3.2833e+01, 1.0147e-01, 1.9338e+00],
               [7.0027e-01, 2.3024e-04, 6.7553e-02],
               [1.1142e+00, 4.2607e-04, 8.1751e-02],
               [1.4882e+02, 2.8480e+00, 3.6969e+00],

```

[8.6666e+01, 2.5212e-01, 2.2533e+00],  
 [2.9696e-01, 6.6393e-06, 3.7130e-02],  
 [1.6515e-01, 2.5246e-06, 2.3500e-02],  
 [1.0406e+01, 9.9687e-03, 8.4349e-01],  
 [4.2022e+00, 5.7271e-03, 3.2073e-01],  
 [4.1983e+00, 6.0770e-03, 2.8427e-01],  
 [2.2993e+02, 3.7616e+00, 3.8972e+00],  
 [4.2013e+01, 1.9802e-01, 1.1723e+00],  
 [1.7841e+00, 1.7695e-03, 1.8036e-01],  
 [9.8215e+00, 1.2968e-02, 3.7297e-01],  
 [1.3195e+00, 6.6452e-04, 1.1110e-01],  
 [3.3596e+01, 2.8005e-01, 1.3175e+00],  
 [3.7878e-01, 8.2931e-05, 5.1368e-02],  
 [7.0779e+00, 1.0174e-02, 3.1822e-01],  
 [9.1124e+00, 1.0993e-02, 4.8156e-01],  
 [1.9516e+00, 5.6499e-04, 1.3078e-01],  
 [6.8160e+01, 9.9865e-01, 2.0376e+00],  
 [1.1033e+01, 1.5856e-02, 4.8550e-01],  
 [4.1850e-01, 3.1476e-05, 3.1150e-02],  
 [1.4923e+01, 5.4767e-02, 1.3785e+00],  
 [1.0911e+01, 3.1225e-03, 3.5107e-01],  
 [5.5176e+01, 1.1080e+00, 2.9772e+00],  
 [6.1533e+01, 3.8269e-01, 1.7212e+00],  
 [2.1012e+01, 8.7886e-03, 1.2734e+00],  
 [6.4439e-02, 3.6588e-06, 8.3614e-03],  
 [1.7608e+02, 4.9693e+00, 3.6743e+00],  
 [6.3816e-04, 8.2099e-10, 1.0368e-04],  
 [4.2231e+00, 4.7635e-03, 2.5424e-01],  
 [1.0002e+00, 2.1406e-04, 7.8563e-02],  
 [4.7623e+01, 1.0491e+00, 2.8960e+00],  
 [9.9013e+01, 7.5779e-01, 1.7809e+00],  
 [4.7539e+01, 2.7916e-01, 1.2428e+00],  
 [1.1752e+01, 1.5051e-02, 5.7875e-01],  
 [8.8739e+00, 4.9612e-03, 7.5478e-01],  
 [1.1728e+00, 3.5495e-04, 1.2703e-01],  
 [3.1811e+00, 1.8235e-03, 2.0414e-01],  
 [1.9892e-01, 2.9525e-05, 2.1947e-02],  
 [2.3352e+00, 8.9491e-04, 1.4656e-01],  
 [8.6894e-03, 3.5327e-08, 1.3512e-03],  
 [3.3715e-01, 1.1458e-04, 4.0682e-02],  
 [2.0141e+01, 1.2503e-01, 1.6746e+00],  
 [1.0100e+02, 1.8211e+00, 2.3143e+00],  
 [1.8092e+01, 5.0525e-02, 1.0664e+00],  
 [7.7707e+01, 1.3036e-01, 3.4188e+00],  
 [1.2098e+01, 3.6807e-03, 6.1479e-01],  
 [1.1556e+01, 4.4394e-02, 5.8273e-01],  
 [4.2756e+00, 2.4574e-03, 3.2366e-01],  
 [1.1935e+02, 1.1338e+00, 4.2041e+00],

[2.3776e+02, 6.5683e+00, 4.2655e+00],  
 [1.4666e+00, 4.6431e-04, 1.0747e-01],  
 [3.1660e+00, 4.9260e-04, 2.0600e-01],  
 [7.0626e+00, 9.5672e-03, 4.9048e-01],  
 [1.1703e+01, 1.1043e-02, 6.5219e-01],  
 [4.0111e+01, 1.7576e-01, 1.5639e+00],  
 [4.8253e-01, 8.9614e-06, 3.9254e-02],  
 [2.1264e+01, 1.2601e-01, 1.0165e+00],  
 [2.4744e-02, 8.3630e-08, 3.6801e-03],  
 [1.2101e+01, 9.5875e-03, 4.0532e-01],  
 [9.0534e+01, 3.8806e-01, 2.4501e+00],  
 [1.6498e-02, 2.0986e-07, 2.5563e-03],  
 [2.1382e+00, 1.3755e-03, 1.4712e-01],  
 [1.2954e+01, 6.1365e-02, 6.5762e-01],  
 [1.1209e-01, 2.4727e-06, 1.4210e-02],  
 [4.1048e+01, 1.5864e-01, 1.8772e+00],  
 [6.1320e+01, 5.3720e-01, 2.4097e+00],  
 [2.1397e+00, 5.6015e-05, 1.2348e-01],  
 [1.5735e+00, 1.6129e-03, 1.3536e-01],  
 [4.8107e+01, 1.3373e-01, 2.9609e+00],  
 [1.8132e+02, 3.5425e+00, 4.4004e+00],  
 [5.2453e-01, 1.7907e-05, 7.0248e-02],  
 [6.3035e+01, 4.6872e-01, 2.5859e+00],  
 [1.3054e+00, 3.7350e-04, 1.6713e-01],  
 [3.2737e+01, 1.3367e-01, 2.1613e+00],  
 [1.4557e+01, 1.3549e-01, 1.1713e+00],  
 [1.6228e+02, 7.5437e-01, 2.5479e+00],  
 [1.4079e+02, 1.9553e+00, 3.8028e+00],  
 [3.2622e+01, 2.9028e-02, 2.1826e+00],  
 [3.3957e+01, 3.5765e-01, 1.6295e+00],  
 [1.9446e+02, 2.1440e+00, 4.2134e+00],  
 [6.0468e+01, 1.2494e-01, 2.7573e+00],  
 [3.7335e+01, 1.8786e-01, 1.7818e+00],  
 [3.0803e+00, 5.6041e-04, 2.7758e-01],  
 [1.3695e+00, 5.8019e-05, 1.6511e-01],  
 [1.1957e-02, 6.7626e-08, 1.8752e-03],  
 [4.0666e-01, 4.1750e-05, 4.6518e-02],  
 [1.1646e+00, 3.6514e-04, 8.8345e-02],  
 [6.0266e-01, 4.9454e-05, 3.6874e-02],  
 [1.8089e+00, 8.4954e-04, 1.6012e-01],  
 [4.0078e+01, 1.7724e-01, 2.5937e+00],  
 [4.3240e-02, 1.4485e-07, 6.1257e-03],  
 [3.1996e+01, 1.3618e-02, 8.8357e-01],  
 [7.6345e+01, 2.1481e+00, 2.8422e+00],  
 [7.0498e-01, 7.5682e-05, 7.8755e-02],  
 [2.9154e-01, 3.5104e-05, 3.4332e-02],  
 [1.3639e+02, 3.9305e+00, 4.0915e+00],  
 [7.9341e-01, 2.0337e-04, 6.6332e-02],

[7.2510e+01, 3.9938e-01, 2.9657e+00],  
 [1.9010e+01, 2.5108e-02, 1.5063e+00],  
 [2.2269e+00, 6.6230e-04, 1.5477e-01],  
 [1.9559e-01, 2.1465e-05, 2.3286e-02],  
 [6.8234e+01, 4.4540e-01, 1.9919e+00],  
 [1.6838e+00, 5.0143e-04, 1.0393e-01],  
 [5.2092e+01, 2.8855e-01, 1.7910e+00],  
 [4.3640e-01, 4.1490e-05, 4.8385e-02],  
 [2.3914e+01, 3.0579e-02, 7.7384e-01],  
 [2.1846e+01, 2.1322e-02, 8.7214e-01],  
 [1.4925e+01, 5.8809e-02, 1.2149e+00],  
 [4.7095e+01, 8.9379e-02, 2.2545e+00],  
 [7.2389e+01, 1.2735e+00, 1.9070e+00],  
 [2.9644e+01, 1.4431e-01, 2.0421e+00],  
 [8.6971e+00, 2.6502e-03, 8.5161e-01],  
 [1.1350e+00, 2.9197e-04, 9.4749e-02],  
 [7.9182e-01, 4.2196e-04, 8.5587e-02],  
 [1.9261e+02, 7.2740e-01, 4.2261e+00],  
 [3.0171e+01, 2.6841e-01, 8.8181e-01],  
 [1.0900e+01, 1.9939e-03, 4.8229e-01],  
 [3.7648e-01, 6.5797e-05, 4.2455e-02],  
 [1.8353e+01, 1.5891e-02, 1.2442e+00],  
 [3.6334e+01, 3.1758e-01, 2.3839e+00],  
 [1.9943e-02, 7.1415e-07, 3.0213e-03],  
 [1.7427e+01, 7.6778e-02, 9.5704e-01],  
 [3.0319e+01, 1.0053e-01, 1.8792e+00],  
 [3.3875e-01, 4.4119e-05, 3.9982e-02],  
 [6.7629e+01, 5.6029e-01, 3.2439e+00],  
 [1.7844e+02, 1.0129e+01, 4.9046e+00],  
 [6.4043e+01, 6.9472e-01, 2.8957e+00],  
 [6.6709e-01, 5.0448e-05, 3.8401e-02],  
 [2.2894e+00, 5.9466e-04, 2.6121e-01],  
 [1.6269e+02, 1.1103e+00, 3.1483e+00],  
 [8.9705e-02, 9.1481e-07, 1.1344e-02],  
 [1.5433e-01, 1.8373e-05, 1.5916e-02],  
 [7.2224e+00, 1.3036e-03, 4.3820e-01],  
 [3.0693e+00, 1.7927e-03, 3.0809e-01],  
 [2.1755e+02, 6.4336e+00, 4.3432e+00],  
 [2.8172e+02, 5.6566e+00, 4.8164e+00],  
 [1.1519e+00, 9.1408e-05, 8.7372e-02],  
 [4.1414e+00, 2.3993e-03, 3.2081e-01],  
 [3.7792e+00, 1.3442e-04, 2.2122e-01],  
 [1.0675e+00, 9.0442e-05, 1.0873e-01],  
 [1.5369e+01, 4.5306e-03, 4.3926e-01],  
 [7.1383e+01, 6.6967e-02, 1.4271e+00],  
 [9.9028e-01, 1.1383e-04, 1.4153e-01],  
 [1.3417e+00, 3.4951e-05, 1.2637e-01],  
 [2.9041e-01, 7.4516e-05, 3.4066e-02],

[1.6455e+01, 2.0886e-02, 5.5986e-01],  
 [6.2417e-03, 1.3830e-08, 9.5768e-04],  
 [8.0217e-01, 2.4440e-04, 6.9055e-02],  
 [2.0854e-01, 2.8677e-05, 2.3351e-02],  
 [3.4114e+01, 2.3817e-01, 1.1764e+00],  
 [3.1146e+01, 1.3043e-01, 1.2154e+00],  
 [2.3545e+00, 1.0433e-03, 1.7994e-01],  
 [2.6518e-01, 2.5577e-05, 2.8522e-02],  
 [3.4797e+00, 6.0313e-04, 1.7180e-01],  
 [5.3241e-01, 4.8397e-05, 4.9440e-02],  
 [6.8095e+01, 1.3524e+00, 2.0954e+00],  
 [2.2664e+02, 2.9961e+00, 4.0101e+00],  
 [4.8073e+01, 4.3893e-01, 1.2082e+00],  
 [9.2167e+00, 1.4072e-02, 4.8692e-01],  
 [2.0803e+01, 5.7353e-02, 1.5173e+00],  
 [1.2766e+01, 5.0944e-02, 8.1568e-01],  
 [1.8399e-01, 3.3574e-06, 1.8956e-02],  
 [7.3900e-02, 1.3719e-06, 8.9852e-03],  
 [3.8266e-01, 3.3015e-05, 4.7169e-02],  
 [4.4513e+01, 1.1304e-01, 2.1191e+00],  
 [2.7847e-03, 2.1421e-09, 4.4568e-04],  
 [2.5918e-01, 7.5149e-06, 3.4473e-02],  
 [1.6163e-01, 2.2578e-05, 2.1010e-02],  
 [4.4540e+01, 1.8212e-02, 1.8680e+00],  
 [7.9122e+00, 9.7970e-03, 4.4676e-01],  
 [3.5283e+01, 5.5528e-02, 1.5460e+00],  
 [2.9092e+00, 3.4372e-03, 2.9279e-01],  
 [1.2593e-01, 5.6513e-06, 1.8791e-02],  
 [1.0097e+00, 7.9969e-05, 9.6239e-02],  
 [1.1727e+01, 6.3029e-02, 6.6312e-01],  
 [6.6951e-01, 9.2402e-05, 5.3711e-02],  
 [3.8213e+01, 7.1581e-02, 1.1462e+00],  
 [1.2633e+01, 7.1411e-02, 7.9029e-01],  
 [3.9618e+00, 9.8929e-04, 3.0119e-01],  
 [7.1173e-02, 1.1090e-06, 8.8769e-03],  
 [2.2085e+01, 5.4993e-03, 7.4307e-01],  
 [6.0512e-02, 2.5588e-07, 8.3468e-03],  
 [9.4331e+01, 1.9930e+00, 2.4437e+00],  
 [6.8330e+01, 1.5222e+00, 1.9386e+00],  
 [1.0201e+01, 1.5178e-02, 3.7963e-01],  
 [6.5390e+01, 7.6744e-01, 2.1538e+00],  
 [3.3557e+01, 2.1241e-01, 1.2759e+00],  
 [3.3260e+01, 7.6649e-02, 1.8092e+00],  
 [4.9933e+01, 1.2716e-01, 1.3268e+00],  
 [1.0603e+00, 2.5008e-05, 1.1516e-01],  
 [1.0092e-01, 5.1124e-06, 1.5207e-02],  
 [4.7509e+01, 1.8511e-02, 1.2948e+00],  
 [4.1188e+00, 3.8088e-03, 3.0217e-01],

[9.9830e-01, 2.3457e-04, 1.0690e-01],  
 [1.6308e+01, 8.8677e-02, 7.1305e-01],  
 [3.3402e+01, 6.7101e-02, 2.0680e+00],  
 [6.8626e+00, 6.4865e-03, 3.8622e-01],  
 [4.1041e+01, 3.0532e-01, 1.3035e+00],  
 [8.9863e-02, 7.5243e-06, 1.3150e-02],  
 [1.6364e-01, 2.4566e-06, 1.9423e-02],  
 [2.4092e+00, 7.4388e-04, 2.4553e-01],  
 [4.5963e+01, 8.1463e-02, 1.8034e+00],  
 [9.9596e+01, 1.1220e+00, 1.9490e+00],  
 [5.8415e+01, 8.9877e-01, 2.1316e+00],  
 [3.2790e-03, 2.5806e-10, 5.1926e-04],  
 [6.2924e+01, 1.2067e-01, 2.2034e+00],  
 [1.9421e-02, 3.4467e-07, 2.9456e-03],  
 [2.0544e-01, 5.9234e-05, 2.8985e-02],  
 [5.7959e-02, 2.3856e-07, 7.7270e-03],  
 [1.0161e+02, 2.7321e+00, 3.7668e+00],  
 [1.4098e+01, 1.4555e-02, 6.4612e-01],  
 [3.8017e+00, 1.5966e-03, 2.6509e-01],  
 [2.5383e+01, 1.0294e-01, 1.9273e+00],  
 [4.0845e-01, 1.1580e-04, 5.0096e-02],  
 [4.0487e-02, 2.3706e-06, 6.1115e-03],  
 [1.1867e+02, 1.2112e+00, 2.7461e+00],  
 [5.7966e+01, 3.8805e-01, 2.4700e+00],  
 [6.0665e+00, 2.9285e-03, 2.6140e-01],  
 [2.9328e-02, 7.8962e-08, 4.3137e-03],  
 [6.4569e-02, 4.8993e-07, 8.0764e-03],  
 [1.5061e-01, 3.6571e-05, 2.0637e-02],  
 [7.9233e+00, 9.0360e-03, 3.8632e-01],  
 [5.2109e+01, 3.2388e-02, 2.2553e+00],  
 [4.9594e+00, 1.5644e-03, 3.9767e-01],  
 [2.3658e+00, 8.6378e-04, 2.2995e-01],  
 [1.6293e+02, 3.7308e+00, 4.7926e+00],  
 [2.7857e+01, 1.3816e-01, 9.2073e-01],  
 [2.5946e-02, 3.9279e-07, 3.9618e-03],  
 [2.2806e+02, 3.9376e+00, 4.3529e+00],  
 [1.5304e+02, 1.4418e+00, 3.9088e+00],  
 [6.8301e+01, 1.2132e+00, 1.8206e+00],  
 [1.1265e+02, 3.0618e+00, 3.8594e+00],  
 [1.1707e+02, 3.2021e+00, 2.8182e+00],  
 [1.2283e-01, 1.0847e-07, 1.3571e-02],  
 [6.7413e+01, 8.4642e-01, 1.6984e+00],  
 [3.9980e+01, 7.0725e-02, 2.1351e+00],  
 [2.0350e+00, 7.9227e-04, 1.5399e-01],  
 [4.6247e+01, 1.4062e-01, 1.8483e+00],  
 [4.5913e-02, 3.5433e-07, 6.7324e-03],  
 [1.5058e+00, 2.1187e-04, 1.0150e-01],  
 [8.4126e+00, 2.4508e-03, 3.6116e-01],



[2.5358e+00, 2.6538e-03, 1.8114e-01],  
[1.3992e-01, 1.4000e-05, 1.5707e-02],  
[7.4613e+01, 1.9251e+00, 2.0620e+00],  
[5.8911e-03, 4.1767e-09, 9.4560e-04],  
[5.6953e+01, 7.1402e-02, 1.6506e+00],  
[9.2799e-02, 7.9733e-06, 1.3252e-02],  
[7.3848e+01, 9.2849e-02, 3.8228e+00],  
[8.9297e+01, 3.8057e-01, 2.7665e+00],  
[6.7843e-01, 2.4773e-04, 6.0927e-02],  
[6.8424e-01, 2.8353e-04, 7.7225e-02],  
[1.4844e+02, 3.5624e+00, 3.8031e+00],  
[1.9150e+02, 2.6821e+00, 4.4284e+00],  
[1.9545e-02, 7.6634e-08, 3.0809e-03],  
[2.8248e-01, 8.4329e-06, 2.5315e-02],  
[6.6421e+01, 1.1679e+00, 1.8453e+00],  
[6.8722e+00, 4.8982e-02, 7.0187e-01],  
[4.9670e+00, 4.0601e-03, 4.3760e-01],  
[9.3969e+01, 1.1534e+00, 3.6940e+00],  
[8.4068e-02, 9.3581e-08, 1.0178e-02],  
[2.0642e+01, 1.7955e-01, 1.4220e+00],  
[2.5537e+01, 4.1626e-02, 7.1828e-01],  
[3.8952e+01, 2.3767e-01, 1.3390e+00],  
[2.1308e+01, 5.7697e-02, 7.0629e-01],  
[3.2701e+00, 1.3774e-03, 2.3342e-01],  
[2.7453e+01, 8.1640e-02, 1.5639e+00],  
[1.2324e+02, 2.1099e-01, 3.7782e+00],  
[2.5506e-02, 7.0653e-07, 3.5604e-03],  
[1.3889e-02, 1.1203e-07, 2.1224e-03],  
[2.4603e+02, 9.0430e+00, 4.2687e+00],  
[1.0217e-01, 3.5903e-06, 1.4682e-02],  
[1.5501e+02, 7.4128e-01, 3.5000e+00],  
[9.4794e-01, 2.2253e-04, 1.0379e-01],  
[6.2921e-01, 2.1173e-04, 9.1504e-02],  
[1.2175e+00, 7.4657e-04, 1.2169e-01],  
[6.0026e-01, 2.2837e-04, 5.7588e-02],  
[3.3561e+00, 2.6456e-03, 4.0564e-01],  
[4.1002e-03, 6.8055e-09, 6.4615e-04],  
[1.2743e+00, 1.6218e-04, 1.0650e-01],  
[6.9765e+00, 6.1148e-03, 4.4987e-01],  
[1.0558e+01, 3.8649e-02, 5.8719e-01],  
[1.5792e+01, 1.0999e-01, 1.1638e+00],  
[5.0136e+01, 6.7283e-01, 2.3045e+00],  
[1.2741e+01, 2.5340e-02, 1.0170e+00],  
[4.4961e+01, 1.4126e-01, 1.9637e+00],  
[3.8768e+01, 2.3905e-01, 1.7063e+00],  
[8.4397e-01, 5.1857e-04, 9.4285e-02],  
[3.0356e+00, 6.6382e-04, 3.7435e-01],  
[1.5511e+02, 5.8333e+00, 4.3855e+00],

```

[5.5793e+01, 3.8509e-01, 1.3476e+00],
[1.3631e+01, 7.2539e-02, 8.3356e-01],
[5.8508e-02, 4.0625e-07, 7.7679e-03],
[6.9624e-04, 1.2692e-10, 1.1327e-04],
[1.1722e+01, 3.9596e-02, 5.2859e-01],
[3.4389e+01, 2.7438e-01, 1.7615e+00],
[3.3461e-01, 1.1845e-04, 3.9435e-02],
[4.0773e+01, 1.0206e-01, 1.1612e+00],
[1.8297e+00, 6.1471e-04, 2.0549e-01],
[2.3970e+01, 1.2845e-01, 1.2708e+00],
[5.1343e+00, 6.4247e-03, 2.8318e-01],
[7.5807e+01, 1.3649e+00, 3.5555e+00],
[2.0629e+01, 2.2762e-02, 1.2008e+00],
[2.8673e+01, 4.5536e-02, 9.4540e-01],
[7.0895e+01, 1.7532e+00, 3.5912e+00],
[1.2204e+01, 1.9313e-02, 4.5328e-01],
[1.4888e+02, 4.6487e+00, 3.2543e+00],
[6.1566e-02, 8.7365e-07, 7.9035e-03],
[1.6931e+01, 4.0115e-02, 9.9775e-01],
[3.1916e+01, 1.0346e-01, 1.7025e+00],
[1.0009e+00, 4.4899e-04, 8.2069e-02],
[3.1226e+00, 3.3327e-03, 1.9513e-01],
[2.4896e+01, 6.2982e-02, 9.3447e-01],
[1.1257e-02, 2.0179e-08, 1.7818e-03],
[6.8374e+00, 5.2839e-04, 2.9004e-01],
[1.4448e-01, 6.0137e-06, 1.7381e-02],
[4.4971e-01, 7.0446e-05, 4.2367e-02],
[3.0440e+01, 9.4362e-02, 1.0732e+00]], dtype=torch.float64)
Iteration: 108
Inputs: tensor([[4.0045e+20, 8.6901e+01, 1.8966e+01, 3.9005e+00],
[2.1627e+20, 1.0540e+02, 1.1045e+01, 5.5138e+00],
[3.0222e+19, 2.1004e+02, 1.2748e+01, 9.8598e+00],
...,
[3.1640e+18, 4.8252e+02, 1.5515e+01, 2.8885e+00],
[5.8463e+18, 3.2139e+02, 7.1630e+00, 6.6632e+00],
[7.7656e+20, 2.1571e+02, 6.2100e+00, 9.8814e+00]], dtype=torch.float64)
Target: tensor([[1.1882e+01, 4.8607e-02, 1.1422e+00],
[2.2400e+01, 1.0771e-01, 1.4599e+00],
[9.9759e+00, 4.0001e-02, 5.3801e-01],
[2.7575e+01, 4.0133e-02, 7.3301e-01],
[2.0449e-01, 2.5921e-05, 2.6138e-02],
[5.6051e+00, 3.7703e-03, 3.3407e-01],
[8.0369e+01, 1.4766e+00, 2.7897e+00],
[2.0061e+00, 1.6882e-03, 1.7223e-01],
[7.6601e+01, 1.2324e-01, 2.3129e+00],
[5.1876e-01, 1.2666e-04, 5.9674e-02],
[1.4653e+01, 5.9771e-02, 6.3232e-01],
[6.9231e+00, 7.9021e-03, 6.7900e-01],

```

[1.4617e-01, 9.3827e-06, 1.7179e-02],  
 [4.9922e+01, 6.0031e-01, 2.9050e+00],  
 [6.1712e+01, 6.2312e-01, 1.9219e+00],  
 [1.1495e+01, 3.2176e-03, 7.3878e-01],  
 [4.8873e-01, 1.7486e-04, 5.5160e-02],  
 [1.1939e-01, 3.0867e-06, 1.5997e-02],  
 [7.5502e-01, 1.2959e-05, 6.3607e-02],  
 [1.2657e+02, 4.1476e-01, 2.5466e+00],  
 [4.4683e-03, 1.7170e-08, 6.9930e-04],  
 [7.1378e+01, 7.4271e-02, 1.7242e+00],  
 [1.8534e+01, 6.0230e-03, 7.1730e-01],  
 [4.1861e-02, 8.1612e-07, 6.1028e-03],  
 [4.2830e+00, 5.9894e-03, 2.5086e-01],  
 [1.5969e+01, 1.6994e-02, 1.1692e+00],  
 [4.2928e-02, 1.2713e-06, 6.0298e-03],  
 [1.5527e-01, 7.3407e-06, 2.3506e-02],  
 [2.1073e+00, 9.6873e-04, 1.6035e-01],  
 [1.5810e+00, 4.7630e-04, 1.0211e-01],  
 [1.4169e+02, 1.2609e-01, 3.2011e+00],  
 [8.2543e-02, 3.8064e-07, 1.0039e-02],  
 [1.7875e-01, 6.3686e-07, 1.9306e-02],  
 [1.5684e+00, 8.7814e-04, 1.4823e-01],  
 [4.7274e-01, 1.0300e-04, 5.1042e-02],  
 [2.1258e+01, 4.3783e-02, 1.0381e+00],  
 [1.0302e+02, 1.2294e+00, 2.7029e+00],  
 [4.1509e+01, 2.4147e-01, 2.0923e+00],  
 [1.6727e-01, 1.7492e-05, 1.8622e-02],  
 [2.7046e+00, 2.4478e-03, 1.9868e-01],  
 [1.3707e+02, 2.5214e+00, 3.2163e+00],  
 [9.1158e-01, 2.7799e-04, 1.1402e-01],  
 [1.6969e+02, 3.3659e+00, 2.9769e+00],  
 [1.2683e-01, 6.6031e-06, 1.5784e-02],  
 [4.0443e+01, 2.8856e-01, 1.7884e+00],  
 [3.8037e-01, 3.5300e-05, 3.6345e-02],  
 [4.7429e+01, 3.6450e-01, 1.2565e+00],  
 [5.7000e+01, 1.4103e+00, 2.9836e+00],  
 [3.5068e+00, 2.9527e-03, 1.8468e-01],  
 [1.7062e-01, 7.0531e-06, 2.1181e-02],  
 [2.2718e-03, 8.1709e-10, 3.6293e-04],  
 [3.4515e+01, 3.3718e-02, 2.0656e+00],  
 [5.0127e+00, 4.1832e-03, 2.3249e-01],  
 [4.2613e-02, 1.3443e-06, 5.7098e-03],  
 [4.7763e-01, 2.4288e-05, 3.5951e-02],  
 [1.0524e+02, 2.0034e+00, 3.7614e+00],  
 [2.0720e+00, 1.3400e-04, 1.6096e-01],  
 [5.3960e+01, 7.5505e-02, 1.5526e+00],  
 [1.3547e+00, 2.9498e-04, 1.4335e-01],  
 [2.1319e+01, 1.0893e-01, 9.0190e-01],

[1.1103e+01, 2.8418e-02, 9.6638e-01],  
 [2.6657e-01, 1.5839e-05, 2.6659e-02],  
 [2.8541e+00, 9.6717e-03, 2.9985e-01],  
 [2.7508e+02, 6.1385e+00, 4.3558e+00],  
 [1.0745e-01, 4.7731e-07, 1.2203e-02],  
 [1.0490e+02, 3.5817e-01, 3.3958e+00],  
 [1.5344e+02, 1.6472e+00, 3.3599e+00],  
 [9.3532e+00, 3.2158e-02, 9.1911e-01],  
 [2.8119e+00, 1.1629e-03, 2.4007e-01],  
 [9.4600e+01, 1.4526e+00, 2.2744e+00],  
 [2.8473e+01, 2.7617e-01, 1.1707e+00],  
 [9.5527e+01, 8.7336e-01, 1.8929e+00],  
 [1.8932e+00, 7.5915e-04, 1.1578e-01],  
 [7.4292e+00, 6.2067e-03, 5.8502e-01],  
 [3.5061e+01, 7.6866e-02, 1.0898e+00],  
 [7.4575e+01, 3.4047e-01, 1.8927e+00],  
 [3.2706e+01, 1.0562e-01, 1.4720e+00],  
 [1.7650e-01, 2.4300e-05, 2.5631e-02],  
 [4.5000e-01, 2.2253e-05, 5.6673e-02],  
 [2.5193e+00, 9.1060e-04, 1.3447e-01],  
 [1.6610e+00, 2.5393e-04, 1.4552e-01],  
 [1.7335e+00, 1.5024e-04, 1.6213e-01],  
 [2.6522e+01, 1.8521e-02, 1.5311e+00],  
 [2.4135e+01, 8.1873e-02, 9.9258e-01],  
 [6.5580e-02, 9.9607e-07, 9.4239e-03],  
 [1.9973e+00, 1.1771e-04, 1.6863e-01],  
 [4.0800e+01, 2.4083e-01, 1.7653e+00],  
 [2.4059e-01, 3.8038e-05, 3.3594e-02],  
 [5.8709e+00, 5.4554e-03, 2.5539e-01],  
 [1.7569e+01, 9.0925e-02, 1.0032e+00],  
 [6.2279e-01, 2.5218e-05, 6.4120e-02],  
 [1.7628e+02, 6.4294e+00, 4.5790e+00],  
 [1.6822e+01, 9.8727e-03, 6.4134e-01],  
 [2.0303e-01, 2.1218e-05, 2.0764e-02],  
 [5.3399e-02, 4.9070e-07, 7.8382e-03],  
 [4.4271e+00, 1.8873e-03, 3.9461e-01],  
 [5.7417e-02, 3.6164e-06, 8.1564e-03],  
 [1.5994e+02, 2.1194e+00, 2.9920e+00],  
 [2.2369e-01, 2.0415e-05, 2.5856e-02],  
 [1.0169e+02, 2.3837e-01, 3.9901e+00],  
 [1.3764e+01, 7.1096e-03, 8.5504e-01],  
 [7.9114e+00, 1.8694e-03, 4.7937e-01],  
 [2.7354e+00, 2.5010e-03, 1.7616e-01],  
 [2.9400e+02, 2.9574e+00, 5.1516e+00],  
 [1.3013e+02, 2.5128e-01, 2.6987e+00],  
 [3.7952e+00, 1.6082e-03, 3.3405e-01],  
 [3.2318e+00, 1.3749e-03, 2.0717e-01],  
 [3.2324e+02, 1.3780e+01, 4.8827e+00],

[8.1290e-01, 1.3157e-04, 1.1599e-01],  
 [2.9019e+00, 2.5093e-04, 1.7490e-01],  
 [8.5585e-02, 6.1536e-06, 1.2295e-02],  
 [2.7515e+00, 7.7436e-04, 2.0402e-01],  
 [5.1457e+01, 3.6529e-01, 2.2542e+00],  
 [1.5410e+02, 6.3532e-01, 4.3717e+00],  
 [3.1339e+00, 1.3665e-03, 1.9613e-01],  
 [1.6379e+02, 3.0704e+00, 4.0248e+00],  
 [3.2269e-02, 7.5279e-07, 4.5597e-03],  
 [1.3344e+02, 1.5851e-01, 4.4531e+00],  
 [1.2491e+02, 1.8828e+00, 3.8747e+00],  
 [5.0278e+00, 2.4731e-03, 2.6538e-01],  
 [8.7469e+01, 1.3570e+00, 2.2949e+00],  
 [1.2700e+01, 1.2222e-02, 6.9037e-01],  
 [1.6369e+01, 9.8134e-02, 1.3669e+00],  
 [1.1612e+02, 3.4456e+00, 4.4430e+00],  
 [4.6030e+00, 1.4217e-02, 3.5057e-01],  
 [9.6462e+01, 1.0274e+00, 4.0218e+00],  
 [2.4498e+00, 5.7755e-04, 1.4001e-01],  
 [2.0928e+01, 4.7791e-02, 5.7876e-01],  
 [6.7052e+01, 5.6188e-01, 3.2879e+00],  
 [2.0903e+01, 1.1528e-01, 1.5375e+00],  
 [5.7104e+01, 8.3461e-01, 1.7813e+00],  
 [1.0367e+01, 2.1601e-02, 1.0035e+00],  
 [5.4202e+00, 2.5000e-03, 3.8780e-01],  
 [1.7648e+00, 2.2194e-04, 1.7724e-01],  
 [1.6266e-02, 2.2613e-07, 2.3646e-03],  
 [5.5734e-01, 1.2784e-05, 5.9173e-02],  
 [1.0880e-02, 3.5267e-08, 1.7099e-03],  
 [8.6491e-01, 6.3143e-05, 1.0580e-01],  
 [1.0673e+02, 2.4051e+00, 3.6884e+00],  
 [2.6416e+00, 9.3532e-04, 2.7963e-01],  
 [1.9801e+01, 3.8677e-02, 7.6414e-01],  
 [2.4940e+01, 7.8221e-02, 1.3192e+00],  
 [5.2205e+01, 5.3327e-01, 3.1871e+00],  
 [6.3187e-02, 2.7320e-07, 9.1104e-03],  
 [8.2280e+01, 5.5146e-02, 3.7607e+00],  
 [1.0657e-01, 1.8308e-06, 1.4378e-02],  
 [5.0215e-02, 1.1378e-06, 6.7489e-03],  
 [5.5999e+01, 2.1511e-01, 1.6726e+00],  
 [2.1901e+01, 1.6434e-01, 1.2431e+00],  
 [5.0065e+01, 5.9331e-01, 2.5664e+00],  
 [9.4861e-01, 5.8496e-04, 1.3654e-01],  
 [6.4163e+00, 8.4657e-03, 3.4081e-01],  
 [8.0634e+00, 9.2902e-03, 3.5767e-01],  
 [1.2536e+00, 2.9341e-04, 1.4934e-01],  
 [1.1583e+02, 3.9524e+00, 2.7164e+00],  
 [4.1767e-01, 8.8329e-05, 4.8547e-02],

[1.0068e-01, 3.9857e-06, 1.3595e-02],  
[2.3271e+00, 1.8798e-03, 2.0285e-01],  
[2.1999e-01, 1.0698e-05, 2.1146e-02],  
[7.8396e+01, 2.8178e-01, 1.9394e+00],  
[1.1703e+02, 5.2979e-01, 4.1866e+00],  
[9.9945e-01, 7.0565e-04, 1.2470e-01],  
[6.9880e+00, 1.3775e-03, 5.5106e-01],  
[3.7929e+00, 1.2098e-03, 2.0508e-01],  
[2.0532e+00, 1.6829e-03, 1.9936e-01],  
[6.7680e-02, 1.1340e-06, 9.2547e-03],  
[5.5766e-01, 1.1135e-04, 6.1939e-02],  
[2.6778e-02, 5.9409e-07, 3.7493e-03],  
[9.7815e+00, 3.2714e-02, 6.6130e-01],  
[1.0006e+01, 6.7471e-03, 3.5911e-01],  
[1.7060e+01, 1.3183e-01, 8.1513e-01],  
[4.5050e-01, 1.0029e-04, 4.3523e-02],  
[1.7518e+01, 5.4702e-02, 1.1687e+00],  
[2.0153e+00, 3.3521e-04, 1.1999e-01],  
[1.4113e+02, 5.8659e-01, 2.7035e+00],  
[1.5893e+01, 4.3155e-02, 6.6385e-01],  
[4.8494e+01, 1.3496e-01, 1.3843e+00],  
[5.4903e-02, 1.3472e-06, 7.7260e-03],  
[5.1098e-02, 1.1754e-06, 6.9411e-03],  
[5.7764e+01, 6.0093e-01, 2.3849e+00],  
[8.9659e+00, 5.0478e-03, 3.7205e-01],  
[2.3904e+01, 3.5779e-02, 6.7764e-01],  
[1.2203e-01, 6.3242e-06, 1.6460e-02],  
[3.7694e+01, 1.2621e-01, 9.3693e-01],  
[7.2166e-01, 3.0826e-04, 9.2396e-02],  
[1.2432e+00, 2.4568e-04, 1.3198e-01],  
[1.5053e-01, 1.0164e-05, 1.5667e-02],  
[2.1206e+01, 7.8592e-02, 1.4098e+00],  
[9.5315e-03, 6.3856e-08, 1.4936e-03],  
[1.6013e-02, 1.3913e-07, 2.3911e-03],  
[7.2922e-01, 3.0417e-04, 9.2952e-02],  
[1.1309e+01, 1.9630e-02, 5.6179e-01],  
[1.9529e+02, 1.3454e+00, 4.3623e+00],  
[7.9270e+01, 1.2881e+00, 2.9506e+00],  
[1.5777e+00, 6.2495e-04, 1.0271e-01],  
[3.1624e+01, 1.1254e-01, 1.8306e+00],  
[2.5886e+02, 7.6734e+00, 4.2426e+00],  
[1.4352e+02, 3.8835e+00, 3.3497e+00],  
[1.0237e+02, 1.5745e+00, 3.2912e+00],  
[1.3169e-01, 2.0107e-05, 1.8013e-02],  
[2.1471e+01, 2.9558e-03, 9.7515e-01],  
[8.0885e+01, 3.5453e-01, 1.9114e+00],  
[3.7354e+00, 2.0787e-03, 2.7624e-01],  
[1.1248e+00, 4.3130e-04, 1.1204e-01],

[3.5274e+00, 2.3889e-03, 4.5953e-01],  
[4.5068e+00, 1.0564e-03, 3.2980e-01],  
[2.3193e+00, 4.0197e-03, 3.1498e-01],  
[5.3885e-03, 5.1969e-09, 8.4119e-04],  
[4.3177e+01, 8.8861e-02, 2.0890e+00],  
[2.3600e-02, 1.7159e-07, 3.6993e-03],  
[1.1299e+01, 8.7980e-03, 9.9910e-01],  
[4.0644e-02, 5.4620e-07, 5.9939e-03],  
[1.3275e+00, 6.8905e-04, 9.0949e-02],  
[1.0999e+01, 1.2422e-02, 3.9420e-01],  
[4.7577e+01, 1.2054e-01, 2.5015e+00],  
[3.0929e-01, 2.8605e-05, 3.6842e-02],  
[6.1650e-01, 7.7062e-05, 4.1070e-02],  
[2.7273e-01, 1.5506e-05, 2.6594e-02],  
[8.9085e-01, 6.6256e-05, 1.0264e-01],  
[5.5408e+01, 4.0530e-01, 1.9045e+00],  
[4.4026e+00, 6.9704e-03, 3.0467e-01],  
[9.5613e+00, 3.1367e-02, 6.1215e-01],  
[2.9998e-01, 2.2980e-05, 2.7689e-02],  
[1.0839e-02, 1.5023e-08, 1.7218e-03],  
[2.2991e+01, 1.7961e-01, 1.1620e+00],  
[7.1001e+01, 1.8775e-01, 3.0013e+00],  
[1.4557e+00, 2.3888e-04, 1.5234e-01],  
[1.0792e+01, 3.1655e-02, 4.3225e-01],  
[2.5824e-02, 3.6375e-07, 3.8623e-03],  
[4.4103e-01, 2.8598e-05, 3.2579e-02],  
[4.3097e+00, 4.6630e-03, 2.5805e-01],  
[9.5793e-01, 1.9158e-04, 9.4969e-02],  
[1.4047e+02, 1.9850e+00, 3.0761e+00],  
[5.9945e+01, 1.8723e-01, 3.1984e+00],  
[7.7907e-01, 9.7891e-06, 5.9648e-02],  
[1.1856e+01, 5.7818e-02, 6.4322e-01],  
[1.3056e-01, 5.3535e-06, 1.5940e-02],  
[1.2079e+00, 4.9366e-05, 8.4513e-02],  
[1.8777e+01, 3.1688e-02, 1.4403e+00],  
[1.0044e-02, 9.6185e-09, 1.5665e-03],  
[1.6243e+01, 1.1015e-02, 5.4503e-01],  
[8.8268e+00, 3.6362e-03, 8.6677e-01],  
[4.8313e+01, 3.5557e-01, 1.1113e+00],  
[2.8189e+00, 3.4771e-04, 1.6798e-01],  
[4.9857e+00, 2.5520e-03, 4.1803e-01],  
[5.9340e-02, 2.0103e-06, 8.2008e-03],  
[6.6022e-01, 2.4677e-04, 7.4662e-02],  
[1.5953e+00, 7.0653e-04, 1.1315e-01],  
[2.2776e-01, 1.2637e-05, 3.0038e-02],  
[5.0693e+01, 1.9544e-01, 2.8481e+00],  
[4.1818e-01, 9.5728e-05, 4.1740e-02],  
[3.5034e-03, 3.8814e-09, 5.6591e-04],

[1.8144e+00, 1.0484e-03, 1.2552e-01],  
[1.6798e+00, 6.8521e-04, 1.2993e-01],  
[1.5442e+01, 4.0696e-02, 7.4790e-01],  
[2.4743e+00, 4.5910e-04, 1.6944e-01],  
[7.4325e-02, 3.8833e-06, 9.8300e-03],  
[8.1569e-04, 1.1294e-09, 1.3202e-04],  
[9.7131e-01, 3.4412e-04, 7.4435e-02],  
[9.6949e-01, 2.3514e-04, 1.2773e-01],  
[3.2833e+01, 4.4393e-02, 9.4875e-01],  
[4.0767e+00, 3.0749e-03, 2.2187e-01],  
[2.3475e+01, 1.9122e-01, 1.2161e+00],  
[2.9920e+00, 3.5142e-04, 1.4806e-01],  
[6.7706e+00, 4.1267e-03, 2.6728e-01],  
[1.6613e+02, 5.5116e+00, 3.3436e+00],  
[1.2230e+01, 4.6480e-02, 4.9471e-01],  
[4.2718e+00, 6.4690e-03, 3.0335e-01],  
[5.1864e+00, 1.6454e-02, 3.6383e-01],  
[1.8293e-01, 1.0494e-05, 1.9598e-02],  
[7.9843e+00, 2.0731e-02, 5.0017e-01],  
[1.2154e-01, 1.9699e-06, 1.7243e-02],  
[1.3914e+00, 2.3020e-04, 9.5838e-02],  
[6.7084e+01, 2.8650e-01, 2.2343e+00],  
[1.3030e+01, 1.4842e-03, 5.7300e-01],  
[2.0141e-02, 7.8146e-08, 2.9228e-03],  
[2.4287e+01, 1.3952e-01, 7.5681e-01],  
[5.0469e+01, 1.3992e-01, 1.8903e+00],  
[6.4638e+01, 7.7227e-01, 1.8009e+00],  
[4.4610e+01, 2.3452e-01, 1.2066e+00],  
[3.3825e+01, 6.0917e-02, 1.0769e+00],  
[4.2570e+00, 2.1963e-03, 1.8308e-01],  
[1.2401e-01, 3.9414e-06, 1.4851e-02],  
[1.6373e-01, 1.1692e-05, 2.0018e-02],  
[2.0520e-03, 2.5425e-09, 3.2545e-04],  
[1.9799e+00, 6.3044e-04, 1.6121e-01],  
[2.5881e+00, 1.8564e-03, 1.9438e-01],  
[1.4910e-01, 1.1688e-06, 1.9309e-02],  
[2.6165e+00, 1.6639e-03, 1.9994e-01],  
[2.9423e+01, 1.2200e-01, 7.5498e-01],  
[2.9117e+02, 8.0508e+00, 4.2402e+00],  
[4.0579e+01, 6.6062e-02, 1.4269e+00],  
[1.0418e+01, 6.2802e-03, 8.1891e-01],  
[2.6065e+00, 8.1464e-04, 1.9151e-01],  
[4.6784e-01, 2.0129e-04, 6.0939e-02],  
[1.0053e-02, 6.4974e-09, 1.5200e-03],  
[1.5106e-02, 6.5982e-08, 2.3194e-03],  
[5.1435e-02, 9.6731e-07, 7.3572e-03],  
[9.6222e+00, 3.6567e-03, 2.9946e-01],  
[1.9976e-01, 4.0794e-06, 2.4318e-02],



```

[3.2731e+00, 5.5155e-04, 2.9180e-01],
[1.0591e+02, 1.1499e+00, 2.7989e+00],
[7.8851e-02, 3.6586e-06, 1.0142e-02],
[9.5672e+01, 1.1110e+00, 2.4789e+00],
[2.5466e+00, 9.5396e-04, 2.4286e-01],
[3.8039e+01, 2.9602e-01, 9.3054e-01],
[4.4670e-02, 2.0559e-07, 6.0843e-03],
[1.1339e+00, 1.0998e-05, 6.7002e-02],
[7.4719e+00, 1.5096e-02, 7.2819e-01],
[1.9059e+01, 4.4822e-02, 5.9987e-01],
[1.5774e+01, 3.3125e-02, 4.9613e-01],
[4.9328e+01, 4.8936e-01, 1.1296e+00],
[5.5171e-01, 7.7300e-05, 5.6796e-02],
[8.2313e-03, 1.5942e-08, 1.3118e-03],
[5.3961e-01, 1.0292e-04, 6.8365e-02],
[7.9710e+00, 1.0011e-02, 5.8694e-01],
[2.3300e+00, 1.2226e-03, 1.6284e-01],
[3.2402e-01, 1.8303e-05, 3.5586e-02],
[2.2005e+00, 7.5068e-04, 1.4644e-01],
[1.7896e+02, 5.6599e+00, 4.3832e+00]], dtype=torch.float64)
Iteration: 109
Inputs: tensor([[1.3244e+19, 4.1563e+02, 9.5484e+00, 9.3608e+00],
               [8.6923e+18, 8.4217e+01, 1.5768e+01, 9.4554e+00],
               [4.8968e+18, 2.5439e+02, 1.3100e+01, 7.1220e+00],
               ...,
               [2.8970e+18, 2.7383e+02, 1.0049e+01, 4.7629e+00],
               [1.4658e+18, 2.1830e+02, 1.9740e+01, 1.7469e+00],
               [3.7432e+18, 3.2363e+02, 1.5431e+01, 6.3373e+00]], dtype=torch.float64)
Target: tensor([[8.1897e+00, 1.4779e-02, 3.5271e-01],
               [3.4701e-01, 1.3787e-04, 4.3538e-02],
               [8.2120e-01, 2.5459e-04, 7.7060e-02],
               [3.8903e-02, 5.5404e-07, 5.8572e-03],
               [2.7119e+00, 4.3441e-04, 1.4807e-01],
               [9.0609e+00, 7.3234e-03, 5.5621e-01],
               [7.6857e+00, 1.0674e-02, 4.7692e-01],
               [5.6711e+01, 1.4545e-01, 3.0235e+00],
               [1.8064e+01, 7.9017e-02, 1.7559e+00],
               [9.1823e-04, 1.9447e-10, 1.5069e-04],
               [6.3975e+00, 1.2614e-02, 3.0217e-01],
               [4.8868e-01, 2.1081e-05, 6.0092e-02],
               [1.5927e+00, 4.5523e-04, 1.3635e-01],
               [1.1365e+01, 6.8642e-02, 7.2656e-01],
               [1.2626e-01, 1.3131e-05, 1.4805e-02],
               [8.7237e-03, 1.1944e-08, 1.3478e-03],
               [8.2684e-02, 2.0981e-06, 1.2318e-02],
               [2.8529e+00, 2.5083e-03, 1.8538e-01],
               [1.2258e-01, 3.5270e-06, 1.5504e-02],
               [1.8803e+01, 2.5710e-02, 4.9658e-01],

```

[3.4757e+00, 4.9405e-03, 3.4850e-01],  
[2.6281e-03, 3.2637e-09, 4.1465e-04],  
[3.4321e+00, 8.5861e-04, 1.7660e-01],  
[1.5615e+01, 3.7010e-02, 7.1202e-01],  
[1.6566e+01, 2.7347e-02, 5.4294e-01],  
[2.3154e+00, 1.2224e-03, 1.9201e-01],  
[7.4301e+00, 3.9083e-03, 5.7154e-01],  
[6.0652e+00, 4.0417e-03, 3.4709e-01],  
[1.2304e-01, 5.2513e-06, 1.4941e-02],  
[1.4838e+00, 6.9170e-04, 1.0258e-01],  
[2.9679e+00, 1.9782e-03, 2.3962e-01],  
[1.6630e+01, 7.2815e-02, 8.9266e-01],  
[2.5566e-01, 1.4987e-05, 2.4927e-02],  
[7.6443e-01, 2.3991e-04, 5.7787e-02],  
[2.0848e+00, 5.6647e-04, 1.1893e-01],  
[6.0514e+01, 1.0589e+00, 3.1750e+00],  
[4.7874e-02, 6.3478e-07, 6.6514e-03],  
[2.4764e+01, 5.1634e-02, 1.1925e+00],  
[1.0074e-01, 5.0588e-06, 1.2503e-02],  
[7.3752e+01, 9.6514e-01, 3.0081e+00],  
[1.5611e+01, 1.4879e-02, 9.0195e-01],  
[3.8151e+00, 1.8160e-03, 2.5462e-01],  
[3.6804e-01, 4.2505e-05, 3.9710e-02],  
[3.2784e-01, 1.5455e-04, 4.5856e-02],  
[6.6736e+01, 2.1557e-01, 2.9481e+00],  
[3.7775e+01, 5.6818e-01, 2.7777e+00],  
[2.6998e+00, 8.8550e-03, 3.4245e-01],  
[1.8291e+02, 9.0468e+00, 4.8998e+00],  
[4.4514e+01, 3.0354e-01, 1.8758e+00],  
[1.9872e+00, 1.9450e-03, 2.3773e-01],  
[6.9703e+00, 1.6944e-02, 4.6944e-01],  
[2.2092e-01, 5.4124e-06, 2.0901e-02],  
[5.3776e+00, 4.2162e-03, 2.2674e-01],  
[1.7344e+02, 2.0854e+00, 4.3694e+00],  
[1.1797e+02, 1.1243e+00, 3.4910e+00],  
[2.1449e+01, 1.8181e-01, 1.1808e+00],  
[4.5666e+01, 3.6573e-01, 1.4887e+00],  
[1.8287e+01, 5.5435e-02, 7.4940e-01],  
[2.9477e-01, 2.4891e-05, 3.3765e-02],  
[8.2229e+01, 1.3537e-01, 1.8495e+00],  
[8.4472e-01, 2.7881e-04, 6.9387e-02],  
[4.2254e-03, 2.0353e-09, 6.6992e-04],  
[1.1048e+00, 2.2251e-04, 1.0222e-01],  
[3.1640e+00, 1.9572e-03, 2.3519e-01],  
[8.6735e-01, 3.0619e-04, 9.0104e-02],  
[6.8213e-01, 6.7837e-05, 6.3663e-02],  
[9.1981e+01, 2.9187e-01, 2.2586e+00],  
[4.9413e-01, 4.6394e-05, 5.7713e-02],

[8.3321e+00, 1.4634e-03, 4.8892e-01],  
[2.8210e+01, 1.7715e-01, 8.0391e-01],  
[1.3536e+02, 4.8364e+00, 3.1367e+00],  
[1.7648e-01, 9.9029e-06, 2.1253e-02],  
[9.4753e+01, 1.9348e+00, 3.6830e+00],  
[9.9183e+01, 1.2471e+00, 1.6445e+00],  
[7.6202e-02, 2.2382e-06, 1.0282e-02],  
[3.2346e-01, 4.7642e-05, 2.8481e-02],  
[1.3885e+01, 2.5233e-02, 6.3067e-01],  
[4.4044e-01, 5.2850e-05, 4.2224e-02],  
[1.1495e+02, 1.4047e+00, 2.9303e+00],  
[8.6571e+01, 1.2658e+00, 3.2347e+00],  
[7.8836e+00, 2.6686e-02, 4.5866e-01],  
[3.7570e+01, 1.2789e-01, 2.3211e+00],  
[3.4106e+01, 1.5785e-01, 1.0605e+00],  
[4.1913e+00, 2.1129e-03, 2.7348e-01],  
[2.2372e+00, 4.0579e-04, 1.6316e-01],  
[3.5165e+01, 4.1457e-02, 2.5890e+00],  
[3.9236e+00, 1.9729e-03, 1.8001e-01],  
[9.0198e+00, 5.4942e-03, 4.8163e-01],  
[6.7192e+00, 7.6627e-03, 6.0201e-01],  
[6.6123e-02, 5.3575e-06, 9.3851e-03],  
[3.0303e-01, 6.8351e-05, 3.3949e-02],  
[2.4590e-01, 3.3234e-05, 2.7143e-02],  
[1.5968e+02, 2.7115e+00, 3.1616e+00],  
[6.6511e-03, 5.8079e-09, 1.0246e-03],  
[1.9275e+01, 7.3282e-02, 1.3572e+00],  
[4.2042e+01, 3.3422e-01, 1.7561e+00],  
[2.2420e+01, 5.2366e-02, 1.2067e+00],  
[4.2233e+01, 3.1202e-01, 2.2093e+00],  
[2.5690e+00, 5.2524e-04, 1.4441e-01],  
[6.9713e+00, 1.6116e-03, 5.6847e-01],  
[2.0385e-01, 8.7254e-06, 2.7016e-02],  
[1.0344e+01, 5.9255e-03, 4.5224e-01],  
[2.2832e+01, 5.0764e-03, 8.2492e-01],  
[3.1923e+00, 2.3188e-03, 2.3335e-01],  
[9.8512e+00, 8.2627e-03, 3.8180e-01],  
[1.9115e+01, 9.0764e-02, 1.7169e+00],  
[5.8719e+01, 2.2618e-01, 2.5236e+00],  
[5.5771e+00, 4.7660e-03, 3.8206e-01],  
[1.7833e+00, 1.4609e-04, 1.5851e-01],  
[2.1989e+00, 1.3861e-03, 1.4506e-01],  
[5.3761e+01, 5.4088e-01, 1.7690e+00],  
[4.5451e+01, 1.7290e-02, 1.7446e+00],  
[4.0894e+00, 7.9495e-04, 3.9470e-01],  
[1.7223e+01, 5.4362e-02, 1.1027e+00],  
[4.0278e-02, 1.5719e-06, 6.0928e-03],  
[7.0344e+01, 2.1835e-01, 2.9371e+00],

[9.6932e+00, 1.4132e-02, 4.9688e-01],  
[8.5755e-03, 1.5141e-08, 1.3467e-03],  
[1.0019e+01, 1.4868e-02, 4.1987e-01],  
[2.0251e+00, 1.0441e-03, 1.4973e-01],  
[7.0981e-01, 1.1475e-04, 7.2043e-02],  
[5.2657e+00, 7.4934e-03, 5.2983e-01],  
[1.9335e+00, 9.2300e-04, 1.6973e-01],  
[7.0198e-03, 2.6400e-08, 1.1170e-03],  
[3.0063e-02, 3.3515e-07, 4.7136e-03],  
[3.5849e-01, 8.4083e-06, 4.3299e-02],  
[4.4853e-03, 2.3937e-08, 7.0316e-04],  
[1.8234e+01, 6.1594e-02, 5.9149e-01],  
[3.9173e+01, 6.6610e-02, 1.9655e+00],  
[5.8348e+01, 3.2036e-01, 1.5131e+00],  
[9.2688e+00, 2.5743e-03, 3.7694e-01],  
[5.3972e+00, 1.0440e-02, 2.8068e-01],  
[1.6377e+01, 2.3547e-02, 5.3993e-01],  
[2.1973e+01, 4.0609e-02, 9.3149e-01],  
[4.3731e-01, 8.9047e-06, 4.3125e-02],  
[1.7655e-01, 7.5681e-06, 2.1539e-02],  
[4.8797e-01, 5.0111e-05, 4.2954e-02],  
[1.2514e+02, 5.5644e-01, 4.2934e+00],  
[9.5458e+00, 2.2529e-03, 9.6302e-01],  
[2.7932e+01, 1.3616e-01, 8.8644e-01],  
[4.0790e+00, 3.9792e-03, 2.3488e-01],  
[2.3594e-02, 1.3440e-07, 3.7206e-03],  
[1.3926e-02, 2.4885e-08, 2.0529e-03],  
[4.1963e+00, 4.9489e-03, 4.2741e-01],  
[1.4319e+01, 4.4909e-02, 5.7479e-01],  
[5.0904e+00, 9.8069e-03, 6.4819e-01],  
[1.0259e+02, 1.8979e+00, 3.7930e+00],  
[1.6003e+00, 4.7591e-04, 1.3814e-01],  
[3.3850e-01, 2.6699e-05, 4.3323e-02],  
[3.2186e+01, 2.6487e-02, 1.5955e+00],  
[4.8211e-01, 4.5318e-05, 4.6567e-02],  
[4.7602e+00, 4.2239e-03, 2.4340e-01],  
[7.3459e-01, 1.0175e-04, 8.4019e-02],  
[3.5456e+00, 7.9484e-03, 3.2575e-01],  
[5.1998e-02, 6.2633e-07, 7.6597e-03],  
[4.9652e+01, 7.2657e-01, 3.0538e+00],  
[3.8162e+00, 8.2655e-04, 1.7629e-01],  
[2.4484e+01, 3.9920e-02, 1.2812e+00],  
[1.3083e+00, 2.6613e-03, 1.7241e-01],  
[8.6700e-02, 1.3898e-06, 1.1464e-02],  
[3.4486e+00, 2.3375e-03, 2.6895e-01],  
[1.5014e+01, 4.6429e-02, 6.5525e-01],  
[4.3279e+01, 5.6328e-01, 2.7231e+00],  
[1.2318e-02, 2.2067e-08, 1.8683e-03],

[5.7181e-01, 8.0952e-05, 4.3363e-02],  
[1.6971e+00, 4.1924e-04, 1.0187e-01],  
[9.2874e+00, 2.8780e-02, 6.1139e-01],  
[4.5544e+01, 9.0713e-02, 2.2308e+00],  
[2.6826e+00, 1.0485e-03, 1.5487e-01],  
[9.4680e-03, 4.2779e-08, 1.4809e-03],  
[1.3172e+01, 2.1405e-03, 5.6414e-01],  
[6.1004e+01, 6.9524e-01, 2.2049e+00],  
[2.1067e+00, 3.7682e-04, 1.8486e-01],  
[1.2111e+02, 1.4230e+00, 3.1625e+00],  
[2.4533e+00, 2.0576e-03, 2.8514e-01],  
[9.3062e-01, 1.3584e-04, 6.9234e-02],  
[8.7470e+01, 8.8649e-01, 2.7998e+00],  
[1.8010e+02, 7.2916e-01, 3.9419e+00],  
[3.4589e+01, 1.0608e-01, 1.1136e+00],  
[1.1122e+00, 8.1562e-04, 1.3488e-01],  
[5.9440e+01, 2.4422e-01, 1.9247e+00],  
[2.6009e-01, 5.2120e-06, 2.8175e-02],  
[2.3364e-01, 2.7259e-05, 3.2991e-02],  
[2.7507e-01, 4.3750e-05, 3.1636e-02],  
[1.5502e-01, 7.2162e-06, 2.2194e-02],  
[1.3509e+00, 9.2694e-04, 1.4442e-01],  
[1.6639e+02, 1.4339e+00, 4.3407e+00],  
[6.7705e-02, 2.8584e-06, 8.6527e-03],  
[6.8739e+01, 4.0572e-01, 2.6605e+00],  
[8.0367e-03, 1.2036e-07, 1.2734e-03],  
[2.6666e-01, 2.3087e-05, 3.2308e-02],  
[2.0907e+00, 7.8829e-05, 1.4020e-01],  
[1.1387e+01, 1.6221e-02, 6.3430e-01],  
[9.2382e+00, 4.5915e-02, 7.9514e-01],  
[1.3927e-01, 5.1716e-06, 1.6287e-02],  
[1.2351e+01, 6.0035e-03, 5.1330e-01],  
[4.4209e+00, 5.6845e-03, 2.7351e-01],  
[1.1452e+01, 4.5685e-02, 8.6241e-01],  
[4.8133e-01, 1.9365e-05, 5.7968e-02],  
[1.0256e+01, 1.2078e-02, 4.4606e-01],  
[8.8630e+00, 1.1541e-02, 9.8927e-01],  
[1.5375e+02, 4.8334e+00, 4.5956e+00],  
[5.6484e+01, 4.5620e-01, 1.9597e+00],  
[9.5254e+01, 9.7663e-01, 3.8676e+00],  
[2.0115e-01, 7.5794e-06, 2.0455e-02],  
[2.4302e-02, 1.6810e-07, 3.4830e-03],  
[1.1602e-01, 4.5258e-06, 1.4562e-02],  
[5.6049e+00, 3.0504e-03, 3.9751e-01],  
[5.2867e+00, 9.2620e-03, 2.8475e-01],  
[7.3311e+00, 1.6424e-02, 3.9600e-01],  
[3.1768e+00, 1.0471e-03, 1.7072e-01],  
[6.0768e-03, 2.1893e-08, 9.3193e-04],

[1.2907e+01, 3.9144e-03, 8.2017e-01],  
[6.2327e+00, 2.0123e-03, 3.5043e-01],  
[3.2898e-01, 1.3231e-05, 3.5786e-02],  
[2.1995e-01, 1.5461e-05, 2.2527e-02],  
[2.5850e-03, 1.7678e-09, 4.1483e-04],  
[9.5866e+01, 2.1095e-01, 4.0392e+00],  
[6.9616e+00, 2.3025e-02, 5.6528e-01],  
[2.4208e+00, 7.7018e-04, 1.3589e-01],  
[3.0687e-01, 2.4254e-05, 3.9204e-02],  
[8.7592e-04, 1.5348e-10, 1.4155e-04],  
[3.4098e+01, 1.2530e-01, 1.8333e+00],  
[1.2552e+01, 3.1563e-02, 1.0468e+00],  
[1.2232e+00, 1.4165e-04, 1.3403e-01],  
[1.8050e-01, 1.5852e-06, 2.2917e-02],  
[3.5817e+01, 2.3835e-01, 1.4750e+00],  
[1.3574e-01, 1.1292e-05, 1.5534e-02],  
[8.5226e+01, 1.2229e-01, 3.6145e+00],  
[4.1278e+01, 1.0931e-01, 1.6691e+00],  
[6.1586e-01, 1.0164e-04, 8.2621e-02],  
[5.2960e+00, 6.6248e-03, 2.6401e-01],  
[2.1977e+01, 7.7579e-02, 1.0838e+00],  
[4.9891e+01, 4.6629e-01, 1.5603e+00],  
[9.5015e-01, 1.7121e-04, 5.9909e-02],  
[1.3499e-03, 1.1445e-09, 2.1713e-04],  
[5.9018e+01, 1.0296e-01, 2.7334e+00],  
[4.3701e+00, 3.5030e-03, 3.8187e-01],  
[1.9811e-01, 3.0569e-05, 2.1506e-02],  
[1.4462e+01, 5.2417e-02, 1.3892e+00],  
[9.0867e+01, 1.8051e+00, 2.5687e+00],  
[3.8357e+01, 1.9379e-01, 1.5231e+00],  
[2.8398e+01, 1.9435e-01, 9.1171e-01],  
[6.0510e+00, 9.6165e-03, 3.1443e-01],  
[8.2820e+01, 9.1694e-01, 2.3855e+00],  
[6.1741e+01, 6.0264e-01, 2.2341e+00],  
[6.5764e+00, 1.5385e-02, 4.1174e-01],  
[1.5520e+01, 5.0936e-03, 7.0264e-01],  
[1.8014e+00, 7.7379e-04, 1.3138e-01],  
[1.6893e+00, 2.7454e-04, 1.2108e-01],  
[2.5297e+00, 1.3521e-03, 1.4392e-01],  
[6.6469e-01, 2.7844e-04, 9.3347e-02],  
[1.1550e-01, 5.4920e-06, 1.5527e-02],  
[1.4649e+00, 1.2640e-04, 1.0769e-01],  
[3.8343e-04, 3.6809e-11, 6.2835e-05],  
[1.8687e+01, 1.3541e-02, 1.3625e+00],  
[6.2513e-01, 4.0678e-04, 7.7999e-02],  
[5.2859e-01, 8.6047e-06, 5.2032e-02],  
[1.4082e+02, 3.9714e-01, 2.8233e+00],  
[1.3853e+02, 2.0329e+00, 3.9236e+00],

[4.6999e-01, 9.6221e-05, 5.2765e-02],  
[3.8139e-01, 5.7221e-05, 3.0750e-02],  
[1.3837e+02, 2.1891e+00, 3.2569e+00],  
[3.0781e+01, 3.1371e-01, 1.5813e+00],  
[1.5762e-01, 5.1381e-06, 2.3607e-02],  
[2.0292e+01, 1.0857e-01, 7.8867e-01],  
[2.2259e+01, 4.1354e-02, 7.9305e-01],  
[2.5674e-02, 4.3229e-07, 3.6925e-03],  
[3.8581e+01, 3.7012e-02, 1.8804e+00],  
[8.8630e+00, 1.6068e-02, 5.2528e-01],  
[4.2013e+00, 1.5399e-03, 2.4397e-01],  
[3.0872e-02, 6.7799e-07, 4.3913e-03],  
[3.5323e+01, 9.0040e-02, 7.8798e-01],  
[2.8122e+01, 1.7261e-01, 1.8058e+00],  
[6.3291e+01, 4.5309e-01, 2.9823e+00],  
[7.9645e+01, 1.9753e-01, 2.1152e+00],  
[3.5301e+01, 1.9595e-01, 1.3444e+00],  
[9.2361e+00, 1.2613e-02, 3.9453e-01],  
[1.2482e+00, 1.9351e-04, 1.2311e-01],  
[8.9968e-02, 8.3390e-07, 1.3028e-02],  
[3.7069e+01, 3.9530e-01, 1.2450e+00],  
[4.8280e+01, 4.1683e-01, 2.0369e+00],  
[1.9099e-01, 1.8361e-05, 2.3656e-02],  
[2.0197e+00, 9.7851e-04, 2.1178e-01],  
[4.8627e+01, 3.8290e-01, 1.3665e+00],  
[3.0630e+01, 1.6426e-01, 1.3266e+00],  
[3.5904e-01, 3.2652e-05, 3.6955e-02],  
[6.9222e+01, 1.0177e+00, 3.4849e+00],  
[3.2934e+00, 2.1644e-03, 2.5744e-01],  
[5.5025e-01, 2.7078e-05, 6.2507e-02],  
[5.8476e+01, 1.9554e-01, 2.3434e+00],  
[5.2656e+00, 5.8384e-03, 4.5645e-01],  
[3.2664e+00, 8.4628e-04, 3.3540e-01],  
[1.5753e+01, 9.2623e-02, 6.1775e-01],  
[1.5488e+01, 2.9201e-02, 1.1158e+00],  
[1.3928e-02, 5.7301e-08, 2.0666e-03],  
[3.2276e+00, 3.3795e-04, 2.9367e-01],  
[3.6755e+00, 4.5325e-03, 2.4906e-01],  
[4.4432e+01, 6.6283e-01, 1.2986e+00],  
[7.1264e+01, 9.3609e-01, 1.6034e+00],  
[1.5573e+00, 1.1855e-03, 1.3180e-01],  
[1.4040e-02, 4.5955e-08, 2.1993e-03],  
[2.0974e-01, 2.2177e-05, 2.6063e-02],  
[6.9044e+01, 7.8318e-01, 2.9607e+00],  
[6.0435e+00, 4.1263e-03, 3.9067e-01],  
[9.9483e+01, 2.1417e+00, 3.4482e+00],  
[6.0319e+00, 2.4133e-03, 3.3188e-01],  
[5.6521e+00, 1.7918e-02, 6.3062e-01],

```

[5.0654e-02, 9.0058e-07, 7.7891e-03],
[1.1415e+02, 1.0064e-01, 3.6089e+00],
[1.1512e-02, 2.9846e-08, 1.7350e-03],
[2.4294e+01, 1.1850e-01, 1.1971e+00],
[1.0908e+01, 7.9904e-03, 8.9212e-01],
[7.3926e-01, 8.5489e-05, 6.5874e-02],
[1.4015e+01, 2.4595e-02, 7.4213e-01],
[4.6923e+01, 6.3525e-01, 1.2698e+00],
[6.8353e+00, 7.0223e-03, 4.0881e-01],
[3.5556e-01, 2.7427e-05, 3.7535e-02],
[5.6154e-03, 8.3111e-09, 8.7300e-04],
[5.9335e-01, 1.3119e-04, 5.7648e-02]], dtype=torch.float64)
Iteration: 110
Inputs: tensor([[1.4141e+18, 2.0974e+02, 1.9692e+01, 1.9068e+00],
[8.3156e+19, 3.7387e+01, 7.7782e+00, 7.3529e+00],
[9.0526e+20, 4.5886e+02, 9.2518e+00, 2.1067e+00],
...,
[4.2333e+19, 3.9039e+02, 5.5661e+00, 4.7836e+00],
[3.3661e+20, 1.8552e+02, 1.3914e+01, 1.8712e+00],
[7.8802e+18, 2.4400e+02, 1.1220e+01, 3.1172e+00]], dtype=torch.float64)
Target: tensor([[5.7340e-03, 9.4691e-09, 8.8974e-04],
[3.7954e+00, 7.8375e-03, 3.9351e-01],
[1.5019e+02, 6.3815e-01, 4.5748e+00],
[9.9704e+00, 6.6986e-03, 7.9045e-01],
[2.4886e-01, 3.5399e-05, 3.0162e-02],
[3.7360e-02, 7.1182e-07, 5.5011e-03],
[3.5500e+00, 2.0384e-03, 2.0745e-01],
[3.4328e-01, 2.9389e-05, 3.1133e-02],
[1.1087e-01, 3.0340e-06, 1.5125e-02],
[7.7596e-01, 3.4909e-05, 6.4549e-02],
[8.6262e+01, 3.3771e-01, 3.8823e+00],
[6.6922e+00, 5.4095e-03, 3.8810e-01],
[1.6308e+00, 5.0506e-04, 1.2166e-01],
[1.4072e+02, 3.6940e+00, 3.0552e+00],
[2.6939e-02, 1.4235e-07, 3.7744e-03],
[1.0645e+01, 2.6922e-02, 4.9683e-01],
[6.1074e+00, 8.2205e-03, 3.5002e-01],
[5.3558e-01, 2.3825e-05, 6.7603e-02],
[1.8686e+01, 5.7977e-02, 6.7332e-01],
[1.0903e+02, 5.3333e-01, 2.9056e+00],
[1.9015e-01, 1.8172e-05, 2.0531e-02],
[9.3217e+01, 8.4702e-01, 2.2955e+00],
[4.9119e+00, 5.7349e-03, 2.9477e-01],
[1.5979e-02, 1.7595e-08, 2.4601e-03],
[3.0889e+01, 2.0053e-01, 1.2466e+00],
[8.1831e+01, 6.1998e-01, 3.6398e+00],
[1.2309e+00, 2.5236e-04, 9.7151e-02],
[7.9526e-01, 9.6795e-05, 8.3481e-02],

```



[6.1517e+00, 4.8169e-03, 4.9545e-01],  
[4.1438e-01, 8.5490e-05, 4.9360e-02],  
[1.3199e-01, 4.8674e-06, 1.9471e-02],  
[1.5342e+02, 1.4152e+00, 3.4031e+00],  
[2.8267e-01, 2.8267e-05, 3.3730e-02],  
[8.8593e+01, 1.3677e+00, 3.2657e+00],  
[1.7057e+01, 5.0273e-02, 8.6683e-01],  
[9.8597e+00, 2.5926e-02, 4.8588e-01],  
[4.1151e+01, 2.4453e-01, 1.7513e+00],  
[8.6299e-01, 4.5790e-04, 1.0381e-01],  
[1.1823e+00, 2.4527e-04, 1.2347e-01],  
[6.3514e+00, 1.6011e-02, 4.6084e-01],  
[7.8577e+00, 1.4774e-02, 5.2846e-01],  
[4.6222e+00, 4.1388e-03, 3.0010e-01],  
[8.0742e+01, 9.3877e-01, 2.4292e+00],  
[4.4867e-01, 1.0011e-04, 4.0153e-02],  
[2.9870e-01, 6.0698e-05, 3.7826e-02],  
[1.7417e+01, 1.2268e-01, 7.7199e-01],  
[1.3399e+01, 1.9018e-02, 8.1722e-01],  
[5.1703e-02, 1.1415e-06, 7.4315e-03],  
[4.1314e+00, 2.0310e-03, 3.8301e-01],  
[1.5812e+00, 5.2617e-04, 1.1671e-01],  
[1.8887e-01, 6.6014e-07, 2.0983e-02],  
[1.8341e+01, 3.8089e-02, 6.1143e-01],  
[2.6599e-01, 1.2493e-05, 3.4568e-02],  
[9.9575e+00, 7.5797e-03, 5.6010e-01],  
[2.8411e+01, 4.4223e-01, 2.3185e+00],  
[1.0382e+01, 4.6030e-02, 6.0815e-01],  
[1.2380e+01, 1.8262e-02, 5.2341e-01],  
[4.6298e+01, 2.3425e-01, 1.9355e+00],  
[4.6936e+00, 3.7161e-03, 3.6391e-01],  
[1.3463e+00, 4.5400e-04, 1.0947e-01],  
[2.8808e+02, 1.9426e+00, 4.3407e+00],  
[1.0806e-01, 6.6708e-06, 1.4804e-02],  
[1.4767e+00, 2.8897e-03, 1.8704e-01],  
[8.8178e-02, 4.8101e-07, 1.3402e-02],  
[6.3829e+01, 5.4644e-01, 2.2404e+00],  
[3.9765e+01, 3.7348e-01, 1.4768e+00],  
[4.2952e+00, 1.0015e-03, 3.3476e-01],  
[5.3226e+00, 2.2213e-03, 2.3753e-01],  
[4.7261e-01, 7.4668e-05, 3.7672e-02],  
[3.8264e+00, 6.8273e-03, 3.3971e-01],  
[1.9989e+00, 4.2040e-04, 1.4294e-01],  
[3.4820e+01, 3.2708e-01, 1.1982e+00],  
[6.1034e+01, 1.0788e-01, 2.5291e+00],  
[5.0823e-01, 5.1529e-05, 4.4507e-02],  
[1.0035e+01, 4.7791e-03, 5.4991e-01],  
[6.9212e+00, 1.3823e-02, 4.6775e-01],

[1.1412e+02, 5.6920e-01, 2.3687e+00],  
[5.4725e+00, 6.3571e-03, 3.3310e-01],  
[2.1716e+02, 2.8892e+00, 3.4697e+00],  
[9.2395e-01, 1.8779e-04, 7.5836e-02],  
[1.1202e+00, 1.4342e-04, 9.2301e-02],  
[7.6086e+01, 8.2236e-02, 2.7426e+00],  
[4.8586e+00, 1.7320e-03, 2.5922e-01],  
[2.5848e+01, 9.0964e-02, 1.2936e+00],  
[1.5244e+01, 3.1425e-02, 1.5364e+00],  
[1.5436e+00, 7.4727e-05, 1.4245e-01],  
[3.1508e+00, 1.2406e-03, 2.5953e-01],  
[7.0871e-01, 7.2642e-05, 8.9155e-02],  
[5.1472e-01, 5.5168e-05, 5.4690e-02],  
[1.9371e+00, 2.0290e-04, 1.0771e-01],  
[5.7530e+01, 6.5659e-01, 1.9082e+00],  
[1.6374e-01, 4.1927e-06, 2.1640e-02],  
[1.0704e+00, 5.7816e-04, 8.8497e-02],  
[1.7190e+00, 4.2302e-04, 1.0675e-01],  
[5.6040e+00, 4.9262e-03, 3.4105e-01],  
[4.6151e+01, 9.0089e-03, 1.0493e+00],  
[5.0282e+01, 3.1669e-01, 2.1586e+00],  
[2.3451e+02, 8.7403e+00, 4.7550e+00],  
[4.4345e+00, 8.3500e-04, 2.5759e-01],  
[1.0183e-02, 6.7365e-08, 1.5458e-03],  
[2.7493e+01, 2.6628e-01, 2.1085e+00],  
[2.9907e+01, 4.1593e-01, 1.4020e+00],  
[3.6650e+00, 2.2701e-03, 3.0454e-01],  
[1.6093e+01, 3.8351e-02, 9.0359e-01],  
[7.9489e-02, 4.3164e-06, 9.9359e-03],  
[8.8553e-02, 1.7236e-06, 1.1198e-02],  
[1.1756e+02, 1.0179e+00, 2.9571e+00],  
[5.8947e-02, 3.5804e-06, 8.3598e-03],  
[5.0407e+01, 3.4240e-01, 1.4979e+00],  
[3.5066e+00, 3.6532e-04, 2.0131e-01],  
[3.4463e-04, 3.4806e-11, 5.6512e-05],  
[8.0992e+01, 1.2051e+00, 1.6938e+00],  
[2.1183e-01, 3.8094e-05, 2.2126e-02],  
[4.4026e+01, 4.4385e-01, 2.1189e+00],  
[7.6246e-02, 4.7908e-06, 1.0095e-02],  
[1.4175e+00, 3.9513e-04, 1.0740e-01],  
[1.0577e+02, 3.9603e+00, 4.3006e+00],  
[5.6362e+00, 1.2029e-02, 3.2893e-01],  
[1.3388e+02, 4.6125e-01, 4.5826e+00],  
[4.7355e-01, 1.0155e-04, 5.6671e-02],  
[1.5296e+01, 2.5139e-02, 7.5891e-01],  
[5.7287e-01, 8.3306e-05, 5.7897e-02],  
[2.7174e+01, 4.7970e-02, 1.6047e+00],  
[1.8710e+01, 4.7224e-02, 6.7294e-01],

[8.3027e+01, 7.4301e-01, 2.4408e+00],  
[4.1528e-01, 2.0936e-05, 4.4123e-02],  
[1.6504e-01, 1.6312e-05, 2.3430e-02],  
[9.9255e+01, 5.6135e-02, 2.3700e+00],  
[1.0033e+01, 3.2299e-02, 6.7458e-01],  
[1.4913e+01, 1.1420e-02, 1.1880e+00],  
[7.9777e+00, 2.0986e-02, 5.3704e-01],  
[1.5604e+02, 5.4095e+00, 3.4604e+00],  
[9.1381e+00, 1.5839e-02, 5.1595e-01],  
[4.7781e-02, 4.3945e-07, 7.3494e-03],  
[3.4163e+01, 1.4905e-01, 2.5682e+00],  
[1.6380e-01, 6.1166e-06, 2.1411e-02],  
[9.9941e-02, 1.5509e-06, 1.4798e-02],  
[2.6385e-01, 1.1325e-04, 3.7927e-02],  
[2.8054e+01, 4.4022e-02, 1.6748e+00],  
[1.3363e+01, 3.9058e-03, 4.5063e-01],  
[9.0284e-01, 1.2574e-04, 7.3424e-02],  
[2.7530e+00, 3.9579e-04, 2.7723e-01],  
[8.0456e-02, 9.1719e-07, 9.9064e-03],  
[3.1964e-01, 7.0852e-05, 3.9440e-02],  
[6.3478e+00, 1.2447e-02, 4.3872e-01],  
[1.5712e+02, 4.1201e+00, 3.0506e+00],  
[1.6999e+01, 2.0745e-01, 1.6111e+00],  
[6.8574e+00, 6.9919e-03, 6.4680e-01],  
[1.4878e+02, 1.8127e+00, 4.0694e+00],  
[1.8581e+00, 9.4242e-04, 1.4208e-01],  
[2.8070e+01, 2.0434e-01, 1.8781e+00],  
[1.6562e-01, 2.1038e-06, 2.2965e-02],  
[3.7868e-02, 1.9656e-07, 5.7431e-03],  
[2.0227e+01, 5.0036e-02, 6.5239e-01],  
[9.0549e+01, 1.1553e+00, 1.9754e+00],  
[6.6948e+01, 1.0504e+00, 1.8153e+00],  
[2.6037e+01, 1.5057e-01, 1.6403e+00],  
[3.4575e+01, 1.1347e-01, 7.6216e-01],  
[7.9762e-01, 3.8773e-04, 8.2375e-02],  
[5.8830e+01, 1.5360e-01, 1.9348e+00],  
[7.6861e+00, 1.3534e-02, 4.3317e-01],  
[8.7486e+01, 9.4576e-01, 3.2233e+00],  
[1.5571e+00, 6.1094e-04, 1.4226e-01],  
[1.4583e+02, 4.9145e+00, 3.7621e+00],  
[2.6919e+00, 2.2446e-03, 1.6423e-01],  
[2.4152e+01, 1.2383e-01, 8.0079e-01],  
[2.9278e+02, 1.9892e+00, 4.4275e+00],  
[4.4150e-02, 2.4488e-06, 6.6507e-03],  
[3.4033e-01, 6.6880e-05, 3.3490e-02],  
[1.2739e-01, 3.6970e-06, 1.7989e-02],  
[4.8292e-03, 3.9384e-09, 7.5526e-04],  
[4.9908e+01, 5.1610e-01, 2.9961e+00],

[7.5761e+00, 7.4095e-03, 6.3556e-01],  
[4.2051e+00, 2.4676e-03, 2.5531e-01],  
[1.5136e+01, 2.9825e-02, 4.8520e-01],  
[8.8349e+00, 2.6970e-02, 7.2592e-01],  
[3.4615e+01, 2.6122e-01, 1.2312e+00],  
[7.9191e+00, 1.3174e-02, 4.2051e-01],  
[1.9553e+01, 5.8850e-02, 6.6832e-01],  
[4.8119e+00, 2.4238e-03, 2.5204e-01],  
[1.7512e+00, 1.2358e-03, 1.4416e-01],  
[6.4682e+01, 3.5613e-01, 2.4371e+00],  
[1.5379e+01, 7.4524e-03, 7.2257e-01],  
[1.9647e-01, 3.5345e-06, 2.7105e-02],  
[7.1252e-02, 2.4294e-06, 9.3759e-03],  
[9.7515e-01, 1.4314e-04, 8.1088e-02],  
[1.7989e+00, 1.8904e-03, 1.8879e-01],  
[4.3409e+01, 3.8942e-01, 2.3157e+00],  
[1.8422e+01, 9.7196e-02, 6.8955e-01],  
[6.1031e-03, 6.7888e-08, 9.3901e-04],  
[3.8539e+00, 1.6945e-04, 1.9859e-01],  
[1.3113e+01, 8.8248e-03, 1.1492e+00],  
[1.5301e+02, 1.6489e+00, 3.9063e+00],  
[1.2162e+01, 4.8556e-02, 6.7573e-01],  
[6.6674e+01, 1.4882e+00, 2.8536e+00],  
[4.1836e+00, 2.2005e-03, 2.2828e-01],  
[5.1765e-01, 7.5706e-05, 5.8400e-02],  
[3.8329e+01, 4.0826e-02, 2.0107e+00],  
[3.7381e+01, 2.0475e-02, 9.3256e-01],  
[3.2739e+00, 4.6765e-03, 2.3894e-01],  
[2.1456e+01, 1.6772e-01, 8.2021e-01],  
[7.7710e+00, 8.6441e-03, 5.1468e-01],  
[1.6323e+01, 2.8548e-02, 9.0426e-01],  
[2.9263e+01, 4.4221e-01, 1.8983e+00],  
[1.4023e+02, 8.5289e-01, 4.3858e+00],  
[2.9167e+01, 3.4149e-02, 1.0546e+00],  
[2.4870e-02, 6.5726e-08, 3.7017e-03],  
[6.5782e-03, 2.9668e-09, 1.0197e-03],  
[1.4059e+02, 2.3930e+00, 3.6260e+00],  
[6.7482e+00, 2.8194e-03, 4.7475e-01],  
[1.2258e+02, 4.0458e+00, 3.5227e+00],  
[2.7461e+01, 4.5728e-02, 7.0323e-01],  
[2.2643e+02, 7.2324e+00, 3.9944e+00],  
[5.8495e+01, 6.3801e-01, 1.5750e+00],  
[4.1651e+01, 3.7958e-01, 1.3547e+00],  
[3.7617e+01, 6.4410e-02, 2.4268e+00],  
[8.6549e+00, 1.2586e-02, 7.5336e-01],  
[8.6771e+01, 8.1795e-01, 2.8770e+00],  
[4.6394e+01, 6.1175e-02, 2.0778e+00],  
[7.4756e+01, 1.2556e+00, 2.2847e+00],

[9.3221e+00, 3.7070e-02, 6.3986e-01],  
[5.3077e+01, 9.8035e-01, 1.9889e+00],  
[4.3268e-01, 2.9598e-05, 5.2878e-02],  
[4.6424e+01, 2.2142e-01, 2.1542e+00],  
[9.4754e+01, 5.4517e-01, 1.7068e+00],  
[1.8410e-01, 9.6140e-06, 2.0924e-02],  
[3.2806e+01, 1.5304e-01, 1.2102e+00],  
[2.2422e+00, 6.4140e-04, 2.2403e-01],  
[2.6436e-01, 2.5510e-05, 2.6904e-02],  
[5.9128e+00, 3.8023e-03, 3.2633e-01],  
[9.6637e+00, 1.2775e-02, 3.9740e-01],  
[5.2273e+01, 7.4979e-01, 2.2312e+00],  
[6.6678e+01, 1.7358e-01, 1.9780e+00],  
[1.1678e+01, 8.2058e-02, 7.4524e-01],  
[6.9125e-01, 3.5535e-05, 5.8822e-02],  
[5.7080e-01, 6.4458e-05, 6.7503e-02],  
[1.5584e-01, 3.3780e-06, 2.1832e-02],  
[9.8411e+01, 2.0575e+00, 2.5937e+00],  
[1.2590e+01, 8.1521e-02, 7.0175e-01],  
[1.1472e+01, 2.4810e-02, 5.3610e-01],  
[5.6035e-01, 2.8793e-05, 5.9996e-02],  
[2.9961e+01, 1.4338e-01, 1.8635e+00],  
[1.4524e-03, 1.4923e-09, 2.3273e-04],  
[8.7304e-02, 3.0757e-06, 1.1981e-02],  
[2.9091e+01, 7.0206e-03, 7.6510e-01],  
[5.3947e+01, 2.6989e-01, 1.4354e+00],  
[6.0326e+01, 1.6874e+00, 3.3826e+00],  
[7.2066e-02, 1.1454e-07, 9.0750e-03],  
[5.8670e-01, 1.3990e-05, 3.7094e-02],  
[2.5677e-01, 3.1872e-05, 2.6580e-02],  
[1.1445e+00, 4.0357e-04, 9.7605e-02],  
[1.5053e-01, 2.1444e-05, 1.8826e-02],  
[8.9680e+01, 9.4573e-01, 4.0002e+00],  
[3.8011e+00, 1.2476e-03, 4.3856e-01],  
[4.7695e+01, 3.3157e-01, 1.7928e+00],  
[4.2757e-01, 1.8473e-04, 5.9385e-02],  
[2.8097e-01, 8.6536e-06, 3.0919e-02],  
[3.0583e+00, 1.0088e-03, 1.8989e-01],  
[3.2579e+01, 7.0448e-02, 1.3825e+00],  
[1.9580e+00, 4.1746e-04, 1.7498e-01],  
[3.0748e-01, 2.6635e-05, 2.9161e-02],  
[5.4216e-01, 2.2133e-04, 7.1828e-02],  
[1.9259e+00, 1.7621e-03, 1.4987e-01],  
[1.1389e+01, 2.2942e-02, 4.3721e-01],  
[1.3103e+02, 1.9369e+00, 3.6751e+00],  
[2.9434e+01, 9.5732e-02, 1.4233e+00],  
[4.6433e+01, 4.7818e-01, 1.4111e+00],  
[9.6753e+00, 1.2702e-02, 4.6017e-01],

[2.4039e+00, 1.6986e-03, 2.6211e-01],  
[5.7507e+01, 8.0740e-01, 2.3992e+00],  
[1.3122e+01, 8.6784e-03, 1.1100e+00],  
[4.7437e+00, 4.5949e-03, 5.5123e-01],  
[5.5835e-02, 4.9527e-07, 7.3018e-03],  
[9.1712e-01, 3.6736e-04, 7.7408e-02],  
[5.5565e+01, 9.5996e-01, 2.8737e+00],  
[1.3248e+02, 2.6784e+00, 4.0684e+00],  
[4.5857e+01, 6.9850e-01, 1.7326e+00],  
[2.0548e+01, 1.0449e-02, 6.5702e-01],  
[5.8514e+00, 1.8226e-02, 5.8843e-01],  
[2.9527e+00, 1.7283e-03, 1.9972e-01],  
[5.6264e+00, 1.4964e-03, 3.4992e-01],  
[3.4411e-03, 3.3869e-09, 5.5498e-04],  
[3.0829e+01, 1.0631e-01, 1.8381e+00],  
[1.1642e+02, 9.9250e-01, 4.2904e+00],  
[5.1736e-02, 1.2443e-06, 7.0381e-03],  
[1.9488e+01, 2.3947e-02, 1.6399e+00],  
[3.5094e+01, 3.3675e-01, 1.6618e+00],  
[1.2573e-01, 1.0952e-05, 1.5194e-02],  
[1.6805e+02, 3.5438e+00, 2.8029e+00],  
[1.3263e+02, 2.6171e+00, 3.4328e+00],  
[1.0915e+00, 6.3198e-04, 1.2424e-01],  
[1.5257e+01, 4.9537e-02, 7.3470e-01],  
[4.5007e-02, 4.3585e-07, 5.9292e-03],  
[7.8919e-02, 1.0634e-06, 1.1517e-02],  
[3.5186e+01, 8.9580e-02, 1.0994e+00],  
[1.9927e+00, 1.2924e-03, 1.9679e-01],  
[3.6570e+01, 5.3260e-01, 1.7656e+00],  
[1.2354e+01, 5.5035e-02, 6.7157e-01],  
[9.9108e+00, 9.1343e-03, 4.9306e-01],  
[2.7240e+00, 2.8971e-03, 2.6085e-01],  
[6.1191e+00, 2.3145e-03, 4.8732e-01],  
[5.6755e+00, 7.7880e-03, 4.0889e-01],  
[5.9437e+00, 2.0611e-02, 6.7645e-01],  
[3.5035e+01, 4.0355e-01, 1.5587e+00],  
[4.1218e+01, 3.7551e-01, 2.5743e+00],  
[2.7093e+00, 4.3029e-03, 2.4557e-01],  
[1.3201e+00, 4.0208e-04, 8.5439e-02],  
[3.8653e+00, 2.8834e-03, 2.3779e-01],  
[5.8356e+01, 2.7781e-01, 1.5192e+00],  
[1.7432e+00, 1.3634e-03, 2.2912e-01],  
[1.0919e+02, 1.0481e+00, 2.5676e+00],  
[1.7351e-01, 1.1577e-05, 1.8561e-02],  
[7.8397e+01, 8.9465e-01, 2.0664e+00],  
[6.4987e-01, 4.9331e-05, 7.9342e-02],  
[1.2922e-01, 7.8692e-06, 1.5875e-02],  
[1.2666e+02, 3.5637e+00, 3.4041e+00],

```

[1.6589e+01, 7.0403e-02, 6.9672e-01],
[2.6164e+01, 4.4358e-02, 8.2467e-01],
[1.8246e+01, 2.8891e-02, 1.4588e+00],
[7.5171e-01, 8.5643e-05, 7.9951e-02]], dtype=torch.float64)
Iteration: 111
Inputs: tensor([[2.3067e+19, 4.7841e+02, 6.3443e+00, 6.5327e+00],
[2.0182e+20, 4.8399e+02, 1.9203e+01, 8.6972e+00],
[3.7746e+19, 6.4857e+01, 1.6607e+01, 3.2012e+00],
...,
[1.5761e+20, 4.4474e+02, 4.4101e+00, 5.1047e+00],
[5.2576e+19, 1.2266e+02, 1.2464e+01, 2.8220e+00],
[4.8800e+18, 2.3426e+02, 1.4505e+01, 5.8263e+00]], dtype=torch.float64)
Target: tensor([[1.7297e+01, 2.8941e-02, 5.6000e-01],
[7.8081e+01, 1.7545e+00, 2.0958e+00],
[5.2721e-01, 1.3245e-04, 7.1168e-02],
[3.6218e+00, 1.5272e-03, 2.4432e-01],
[4.9554e+00, 1.0025e-02, 3.6862e-01],
[3.9422e+01, 2.8564e-01, 1.5107e+00],
[2.4020e-01, 1.8082e-05, 2.8683e-02],
[1.9448e+00, 5.7262e-04, 1.8014e-01],
[6.5593e-01, 4.0689e-05, 6.4005e-02],
[9.5088e+00, 8.0586e-03, 4.3736e-01],
[2.6176e+01, 4.1479e-02, 7.1595e-01],
[6.2515e+00, 4.2956e-03, 3.9173e-01],
[1.1812e+01, 4.9311e-02, 8.2976e-01],
[5.1763e-01, 8.6453e-06, 5.2899e-02],
[9.4616e+01, 1.0665e+00, 1.7095e+00],
[3.8983e-03, 6.1683e-09, 6.1572e-04],
[5.0314e+01, 5.8732e-02, 1.8710e+00],
[4.7614e+00, 3.8607e-03, 2.8423e-01],
[7.7537e-01, 1.4724e-04, 6.6724e-02],
[1.9470e+00, 2.0497e-04, 1.4535e-01],
[1.6124e+01, 5.7511e-02, 8.4025e-01],
[1.9319e+00, 6.2897e-03, 2.4793e-01],
[7.4029e+01, 5.4346e-01, 3.1469e+00],
[2.4042e+01, 1.6244e-01, 1.0853e+00],
[2.1037e+01, 1.6166e-01, 1.4806e+00],
[9.8129e+01, 3.8529e-01, 3.1187e+00],
[6.2711e+01, 3.8955e-01, 1.6617e+00],
[2.8834e+01, 1.5311e-01, 1.2348e+00],
[4.6023e+01, 6.3839e-01, 1.9034e+00],
[7.1081e+01, 7.0018e-01, 3.5667e+00],
[7.9539e+01, 3.6887e-01, 1.8707e+00],
[5.1208e-02, 2.1355e-06, 6.8555e-03],
[1.3523e-02, 2.4214e-07, 2.0047e-03],
[2.3767e+01, 1.5156e-01, 1.0434e+00],
[2.4934e-02, 1.7409e-07, 3.8368e-03],
[2.3268e-01, 8.2796e-06, 2.2904e-02],

```

[4.9907e+01, 6.7234e-02, 2.4682e+00],  
[2.1247e+01, 1.5092e-01, 1.7090e+00],  
[1.2005e-01, 1.6371e-06, 1.7055e-02],  
[2.3844e+00, 2.8681e-04, 2.2959e-01],  
[2.8338e+01, 3.1689e-01, 1.0419e+00],  
[1.2796e+00, 1.2245e-04, 1.0571e-01],  
[1.5520e+01, 4.7155e-02, 1.0033e+00],  
[1.0860e+02, 1.9911e+00, 3.7572e+00],  
[1.6399e+01, 2.7161e-02, 7.4147e-01],  
[3.3502e+01, 1.0498e-01, 1.1112e+00],  
[2.0784e-01, 8.0683e-06, 2.7978e-02],  
[1.6143e+00, 7.1714e-04, 1.2145e-01],  
[7.4779e+01, 4.3487e-01, 2.1334e+00],  
[1.2093e+01, 3.6476e-02, 7.5251e-01],  
[1.9275e+01, 4.8463e-02, 1.5523e+00],  
[7.9626e+00, 2.2438e-03, 3.7848e-01],  
[3.6598e+00, 1.7695e-03, 3.9146e-01],  
[6.8950e+01, 9.5443e-01, 2.7849e+00],  
[9.5877e-01, 1.2389e-04, 8.7505e-02],  
[7.8436e-01, 2.7226e-04, 8.5780e-02],  
[4.7065e+01, 5.3089e-01, 1.9241e+00],  
[2.0849e+01, 1.5287e-01, 7.3672e-01],  
[2.8270e+00, 4.7292e-04, 2.1021e-01],  
[3.6948e+00, 4.0459e-03, 3.5840e-01],  
[4.9918e+01, 3.0242e-01, 1.9990e+00],  
[1.0201e-01, 8.4733e-06, 1.3429e-02],  
[2.2304e+02, 9.3401e+00, 4.1226e+00],  
[4.4477e+00, 5.3557e-03, 2.9618e-01],  
[2.4125e+01, 1.7131e-01, 1.1272e+00],  
[6.9030e+01, 1.3084e+00, 1.9614e+00],  
[3.1796e+01, 1.4454e-01, 9.5753e-01],  
[6.0462e+01, 5.3249e-01, 1.6136e+00],  
[1.7312e+00, 1.9191e-03, 2.3476e-01],  
[2.5409e-01, 7.8661e-05, 3.5945e-02],  
[1.7110e+00, 5.1282e-04, 2.0666e-01],  
[3.6773e+00, 1.5350e-03, 2.7424e-01],  
[3.4555e+01, 1.1555e-01, 9.3851e-01],  
[3.1264e+01, 1.0339e-01, 1.7612e+00],  
[5.2937e-02, 2.6142e-07, 8.0860e-03],  
[8.8191e-02, 4.1503e-06, 1.1399e-02],  
[1.4442e+00, 5.2719e-04, 1.0743e-01],  
[4.0512e+00, 2.8669e-03, 2.2549e-01],  
[4.3630e-01, 5.6218e-05, 4.5314e-02],  
[4.4140e+01, 3.8382e-01, 1.3617e+00],  
[6.4910e-03, 1.2720e-08, 1.0388e-03],  
[4.2847e-02, 1.0085e-06, 5.6916e-03],  
[7.1449e-01, 2.3500e-04, 7.4460e-02],  
[1.2321e+00, 8.2565e-04, 1.6389e-01],



[1.5905e+00, 1.2376e-03, 1.3597e-01],  
[2.1285e+00, 3.0512e-04, 1.5984e-01],  
[3.4780e+01, 2.2709e-01, 1.2581e+00],  
[5.9181e-01, 2.5262e-04, 7.2616e-02],  
[4.6184e-02, 1.8128e-07, 6.1007e-03],  
[6.6034e-01, 3.6981e-05, 7.0937e-02],  
[6.9274e+00, 9.3211e-03, 4.0967e-01],  
[2.7513e-01, 3.5422e-05, 2.7208e-02],  
[1.5408e+01, 4.6347e-02, 5.8998e-01],  
[5.9197e+01, 5.2006e-01, 1.8307e+00],  
[1.7654e+01, 7.2795e-03, 7.3179e-01],  
[3.3168e-01, 2.4365e-05, 2.7798e-02],  
[2.3459e+01, 1.7781e-01, 9.4476e-01],  
[5.7646e+00, 2.4784e-03, 2.6798e-01],  
[2.5195e-02, 5.7770e-07, 3.9080e-03],  
[1.3804e-02, 1.0966e-07, 2.1042e-03],  
[4.5440e+01, 7.5694e-01, 1.4765e+00],  
[5.7156e+01, 2.6970e-01, 2.4767e+00],  
[3.8281e+00, 4.1546e-03, 2.0401e-01],  
[3.6840e-01, 3.4286e-05, 4.0913e-02],  
[4.0841e+00, 4.3434e-04, 2.4927e-01],  
[3.1486e+02, 6.0150e+00, 4.9757e+00],  
[7.3689e+00, 6.2265e-03, 5.2312e-01],  
[2.4929e+02, 5.8829e+00, 3.7998e+00],  
[5.7758e+01, 1.1251e-01, 3.3284e+00],  
[8.2226e+00, 1.6184e-02, 5.3170e-01],  
[3.9924e+01, 6.9882e-02, 1.4104e+00],  
[8.9459e+01, 2.1324e+00, 3.3213e+00],  
[1.1490e+02, 4.1564e-01, 2.7565e+00],  
[1.2445e-02, 2.0209e-07, 1.9381e-03],  
[5.0509e-01, 6.8392e-05, 6.6461e-02],  
[3.5220e+00, 2.3706e-03, 2.3538e-01],  
[2.8560e+00, 1.5719e-03, 1.6572e-01],  
[8.1950e+00, 2.8194e-02, 7.6879e-01],  
[4.3870e-01, 9.3803e-06, 5.3820e-02],  
[1.2213e+02, 1.6152e+00, 2.7379e+00],  
[2.5398e+01, 3.3911e-02, 1.2962e+00],  
[3.7921e+00, 2.2617e-03, 2.9123e-01],  
[3.8775e+01, 1.1942e-01, 1.1795e+00],  
[8.0521e+00, 6.8062e-03, 6.1093e-01],  
[1.0831e+01, 2.0258e-02, 8.3753e-01],  
[1.9205e+01, 1.2674e-02, 6.7138e-01],  
[2.2759e+00, 4.6746e-05, 1.7841e-01],  
[1.0858e+02, 9.1710e-01, 2.4084e+00],  
[1.2262e+02, 1.4258e+00, 4.3591e+00],  
[8.5570e-02, 2.5123e-06, 1.0295e-02],  
[3.0097e+00, 4.7944e-03, 2.6426e-01],  
[1.7135e+01, 1.7656e-01, 1.6391e+00],

[1.7407e+02, 7.8490e+00, 4.7421e+00],  
 [8.8062e-01, 9.9624e-04, 1.1889e-01],  
 [7.1267e-02, 4.8093e-06, 9.1801e-03],  
 [9.1792e+01, 1.9076e-01, 3.4911e+00],  
 [2.7162e+01, 3.7155e-01, 1.6670e+00],  
 [1.4011e-01, 2.9675e-06, 1.8576e-02],  
 [7.6170e+01, 1.4861e-01, 2.1869e+00],  
 [7.1857e+00, 1.3541e-03, 3.5594e-01],  
 [2.4747e+02, 2.0117e+00, 3.9533e+00],  
 [3.0748e+00, 1.8096e-04, 1.7297e-01],  
 [1.5451e+01, 4.2789e-02, 6.2582e-01],  
 [9.1435e+01, 5.4446e-01, 2.4199e+00],  
 [3.1310e-01, 8.0853e-05, 3.3246e-02],  
 [7.0143e+01, 1.7330e-01, 3.3751e+00],  
 [6.0568e-01, 9.5785e-05, 5.2648e-02],  
 [1.5317e+01, 3.5206e-02, 1.0711e+00],  
 [5.1729e-02, 4.0803e-06, 7.7879e-03],  
 [2.0869e+01, 2.0331e-01, 1.2163e+00],  
 [4.4242e+00, 3.8225e-03, 4.2577e-01],  
 [1.1601e+01, 7.4542e-02, 8.9110e-01],  
 [1.2994e+01, 1.9003e-02, 8.9256e-01],  
 [4.7913e-02, 7.9359e-07, 7.4917e-03],  
 [5.6736e-02, 1.5730e-06, 8.2766e-03],  
 [6.3393e+01, 8.8600e-01, 2.6308e+00],  
 [4.9647e+00, 3.5401e-02, 5.9225e-01],  
 [4.2823e+01, 4.6427e-02, 2.3969e+00],  
 [4.5994e+00, 1.1225e-03, 2.5938e-01],  
 [3.0751e+00, 3.0319e-03, 2.2327e-01],  
 [5.9445e-01, 1.6467e-05, 4.1554e-02],  
 [3.7628e-01, 3.6547e-05, 3.2636e-02],  
 [6.1246e+00, 2.8744e-03, 2.9387e-01],  
 [3.7156e+01, 1.1104e-01, 1.7758e+00],  
 [4.5340e+00, 5.5852e-04, 2.0437e-01],  
 [5.8065e+01, 7.3590e-01, 1.6388e+00],  
 [2.8097e+01, 2.3117e-01, 1.6574e+00],  
 [5.7934e-01, 8.1554e-05, 4.8734e-02],  
 [8.8541e+01, 9.2573e-01, 3.1715e+00],  
 [9.4141e-02, 7.9619e-06, 1.1480e-02],  
 [1.7407e+01, 2.7409e-02, 1.0906e+00],  
 [1.3984e+01, 1.2683e-02, 9.8386e-01],  
 [7.0990e+00, 5.4143e-03, 3.9162e-01],  
 [6.1445e+01, 3.3092e-01, 1.6478e+00],  
 [1.4660e+00, 3.6256e-04, 8.5898e-02],  
 [3.8172e-01, 1.3524e-04, 4.5734e-02],  
 [1.3283e+01, 9.2609e-02, 8.0683e-01],  
 [3.6693e+00, 3.0917e-04, 3.2126e-01],  
 [6.5804e+00, 1.7879e-02, 4.7709e-01],  
 [3.2007e+00, 6.6695e-03, 2.9622e-01],

[7.5166e+01, 2.5524e-02, 2.3672e+00],  
[8.2939e+01, 5.2153e-01, 3.0431e+00],  
[1.0364e+01, 3.6326e-02, 1.0151e+00],  
[2.5701e+00, 1.1640e-03, 1.2683e-01],  
[1.4138e+01, 3.8669e-02, 5.9274e-01],  
[1.6887e+02, 3.8544e+00, 4.8151e+00],  
[3.6783e+00, 4.7977e-03, 2.5787e-01],  
[1.4504e-01, 6.8127e-06, 1.5625e-02],  
[4.3705e+00, 1.2688e-03, 3.1912e-01],  
[3.8195e+00, 6.4269e-03, 3.2121e-01],  
[6.9083e-02, 6.7459e-06, 9.5998e-03],  
[3.3781e+01, 3.5170e-01, 1.2024e+00],  
[1.5369e+00, 3.6894e-04, 1.4351e-01],  
[7.6798e-01, 1.3846e-04, 6.7556e-02],  
[4.6852e+01, 7.9468e-01, 2.7407e+00],  
[6.1071e+00, 1.2374e-02, 4.1830e-01],  
[2.3573e+01, 4.7876e-02, 6.5337e-01],  
[8.2262e+01, 2.4491e-01, 3.4372e+00],  
[1.6202e+01, 5.7124e-02, 7.3132e-01],  
[2.8648e+00, 3.4013e-03, 2.0080e-01],  
[3.6482e+01, 1.6781e-01, 1.4260e+00],  
[2.2089e+01, 4.3585e-03, 9.0960e-01],  
[8.9257e-01, 1.6923e-04, 7.4438e-02],  
[3.0467e-01, 2.9474e-05, 4.5450e-02],  
[2.1728e+01, 3.7239e-03, 1.0145e+00],  
[3.3737e-01, 5.5284e-05, 2.9959e-02],  
[3.1227e-03, 3.6011e-10, 4.9587e-04],  
[1.0397e+01, 2.0255e-02, 6.2986e-01],  
[2.8779e+00, 1.8138e-03, 1.8205e-01],  
[8.6519e+01, 1.8534e+00, 2.3726e+00],  
[8.5988e+00, 8.4980e-03, 3.6728e-01],  
[7.6299e+01, 5.8845e-01, 3.5705e+00],  
[1.0377e-01, 6.1336e-06, 1.2024e-02],  
[1.3087e-02, 7.2947e-08, 1.9314e-03],  
[6.3675e-01, 7.7016e-05, 5.0108e-02],  
[2.2501e-01, 4.1098e-06, 2.7783e-02],  
[7.8853e+01, 1.1746e+00, 2.9317e+00],  
[3.6628e+01, 1.8944e-02, 9.0183e-01],  
[1.2055e+00, 1.6115e-04, 7.3335e-02],  
[3.2966e+00, 1.6837e-03, 3.7929e-01],  
[1.7784e+02, 5.5792e+00, 4.7244e+00],  
[4.0888e+01, 1.2509e-01, 1.1717e+00],  
[3.3140e+01, 6.8665e-02, 1.2454e+00],  
[1.0254e-01, 9.1557e-06, 1.2129e-02],  
[3.7022e-01, 8.2572e-05, 4.5980e-02],  
[7.2074e+00, 5.1515e-03, 4.1465e-01],  
[2.9536e+01, 4.5118e-02, 1.8364e+00],  
[1.2509e+00, 1.3037e-04, 1.4095e-01],

[1.0830e+02, 1.0655e+00, 2.8519e+00],  
[1.9966e+01, 4.1113e-02, 1.3744e+00],  
[1.2001e-02, 3.9067e-08, 1.7957e-03],  
[1.0585e-01, 6.6685e-06, 1.3636e-02],  
[7.4317e+01, 2.2959e-01, 2.6325e+00],  
[4.4025e-01, 4.5624e-05, 3.8038e-02],  
[1.0946e+01, 2.2075e-03, 4.5748e-01],  
[6.2463e-01, 9.0866e-05, 8.1938e-02],  
[6.6803e-01, 9.9135e-05, 4.2868e-02],  
[8.6819e+00, 2.2391e-02, 4.6687e-01],  
[8.4798e-03, 9.8531e-08, 1.2851e-03],  
[3.4548e+02, 1.4457e+00, 4.9855e+00],  
[1.1100e+01, 5.8975e-02, 8.9644e-01],  
[7.3896e-03, 4.5408e-09, 1.1496e-03],  
[2.3129e+00, 2.1146e-03, 2.7209e-01],  
[6.1200e-02, 2.3216e-06, 8.6757e-03],  
[1.7746e+01, 7.5996e-02, 1.4269e+00],  
[1.3772e+02, 2.7458e+00, 4.2363e+00],  
[1.1579e-01, 9.2751e-06, 1.5797e-02],  
[3.4908e+01, 1.8695e-01, 9.5312e-01],  
[2.1785e-02, 2.4620e-07, 3.0907e-03],  
[2.0736e+00, 6.4085e-04, 1.3560e-01],  
[3.5951e+00, 1.7073e-03, 1.9383e-01],  
[1.0226e+02, 2.9516e+00, 2.7260e+00],  
[9.8223e+01, 4.5285e-01, 4.0578e+00],  
[4.4290e+00, 3.6530e-03, 4.9250e-01],  
[2.1095e+01, 1.5280e-02, 1.1117e+00],  
[8.8066e-03, 3.6571e-08, 1.3238e-03],  
[9.7715e-01, 8.8974e-05, 1.0852e-01],  
[2.8307e+00, 6.7751e-04, 1.4936e-01],  
[1.7301e+00, 7.2545e-04, 1.5255e-01],  
[7.7001e-02, 9.7975e-07, 1.0436e-02],  
[1.4274e+02, 2.0936e+00, 3.2631e+00],  
[1.4988e+01, 3.1357e-02, 5.1232e-01],  
[1.4044e+01, 8.9963e-03, 5.3067e-01],  
[5.4274e-02, 3.0629e-06, 7.3816e-03],  
[7.1525e+00, 1.7112e-03, 3.3328e-01],  
[2.2232e-02, 1.1324e-07, 3.2065e-03],  
[4.4770e-01, 3.2874e-05, 3.3900e-02],  
[2.4903e+01, 3.9200e-02, 1.4790e+00],  
[2.9448e-02, 2.7122e-07, 4.5160e-03],  
[2.1387e+02, 1.6367e+00, 3.7175e+00],  
[3.7358e+00, 8.1751e-04, 2.3546e-01],  
[7.2083e-01, 2.5983e-04, 9.6360e-02],  
[2.2674e+01, 9.1054e-02, 1.7377e+00],  
[1.0992e+00, 4.1230e-04, 1.5513e-01],  
[1.8011e-01, 3.6457e-06, 2.4552e-02],  
[1.2873e+00, 1.0053e-03, 1.4117e-01],

```

[9.8941e-02, 1.1600e-06, 1.3711e-02],
[7.8142e+01, 3.6649e-01, 3.3196e+00],
[1.1252e+01, 2.8760e-02, 5.5997e-01],
[1.2635e+01, 5.6254e-02, 7.4653e-01],
[2.0260e+01, 4.0661e-02, 6.7634e-01],
[6.1641e+01, 8.6776e-02, 3.4864e+00],
[4.2325e+01, 1.0511e-01, 2.5482e+00],
[1.8906e-02, 2.0846e-07, 2.9454e-03],
[4.8184e+00, 1.4506e-03, 2.6407e-01],
[6.2792e+00, 1.1137e-02, 3.8821e-01],
[2.5722e+00, 5.9739e-05, 1.4714e-01],
[6.7714e+01, 2.3118e-01, 2.3976e+00],
[4.6695e+01, 4.7157e-01, 1.4213e+00],
[4.2529e+01, 4.7788e-01, 1.2571e+00],
[1.8882e+02, 3.2053e+00, 3.6694e+00],
[1.6231e-02, 1.1171e-08, 2.3540e-03],
[3.1391e+00, 2.1352e-03, 2.0753e-01],
[1.5990e+00, 6.3874e-04, 1.1251e-01],
[2.5605e-01, 2.5913e-05, 3.0895e-02],
[1.7566e-01, 2.0140e-05, 2.0897e-02],
[1.2744e+00, 3.0305e-04, 1.1658e-01],
[8.7706e+01, 4.4811e-01, 2.3077e+00],
[3.3278e+02, 9.8496e+00, 4.5443e+00],
[4.1867e-01, 6.9537e-05, 3.9553e-02],
[1.0398e-01, 3.6651e-06, 1.1884e-02],
[1.8854e+00, 2.2147e-04, 1.7401e-01],
[8.5419e-02, 3.0201e-07, 1.1673e-02],
[6.1560e+01, 5.1909e-01, 1.6241e+00],
[9.9195e+01, 4.8609e-01, 4.0875e+00],
[5.1228e-02, 1.0519e-06, 7.3370e-03],
[2.3355e+01, 1.7712e-02, 1.4768e+00],
[9.8182e-01, 1.4299e-04, 9.1690e-02],
[1.9622e+01, 3.1731e-02, 8.4328e-01],
[1.0407e+00, 5.8310e-04, 9.2488e-02],
[5.8460e+01, 1.0028e-01, 1.3704e+00],
[5.3785e+01, 2.4782e-01, 1.7808e+00],
[5.5560e+01, 1.6735e-01, 1.4066e+00],
[2.8698e+01, 1.4214e-01, 9.6427e-01],
[1.1329e+02, 2.2878e+00, 3.8007e+00],
[1.4894e+01, 2.7666e-02, 7.4218e-01],
[7.2063e+01, 6.1790e-01, 2.5197e+00],
[8.7040e+01, 4.1738e-01, 1.8805e+00],
[3.4963e+00, 2.3351e-03, 3.4423e-01],
[5.1880e-01, 1.0319e-04, 5.5312e-02]], dtype=torch.float64)
Iteration: 112
Inputs: tensor([[2.5761e+19, 2.1119e+02, 1.4059e+01, 8.8684e+00],
[6.7058e+20, 3.7079e+02, 7.8789e+00, 9.1957e+00],
[1.2460e+20, 2.4650e+02, 1.2414e+01, 1.2300e+00],

```

```

...,
[7.0214e+18, 3.9265e+02, 1.9023e+01, 3.3929e+00],
[5.5621e+18, 1.7353e+02, 1.6294e+01, 5.3697e+00],
[3.2855e+20, 2.4848e+02, 1.6709e+01, 6.9010e+00]], dtype=torch.float64)
Target: tensor([[7.2700e+00, 2.1129e-02, 4.4378e-01],
[2.0854e+02, 7.1670e+00, 4.1496e+00],
[7.8240e+00, 3.7272e-03, 6.9957e-01],
[2.7613e+00, 3.3890e-04, 1.8065e-01],
[7.2988e+00, 4.9530e-03, 3.8266e-01],
[3.3282e+01, 4.3737e-01, 1.2373e+00],
[4.1174e-01, 1.1999e-05, 3.3612e-02],
[8.6900e+00, 1.7878e-02, 5.5226e-01],
[1.9322e+02, 1.5455e+00, 4.6174e+00],
[1.0523e+00, 6.9921e-04, 1.0839e-01],
[8.0049e+01, 5.7476e-01, 2.7576e+00],
[3.1105e-01, 3.1361e-05, 3.8791e-02],
[2.8055e-01, 1.5187e-05, 2.5914e-02],
[5.4667e+01, 3.8697e-02, 1.3731e+00],
[3.7753e+00, 1.9674e-03, 1.7193e-01],
[3.5693e-01, 2.4309e-05, 4.3880e-02],
[1.0554e+01, 1.1688e-02, 5.9556e-01],
[5.4850e+01, 5.1220e-01, 1.6766e+00],
[8.8332e+01, 1.4050e+00, 1.9710e+00],
[6.8099e+01, 4.0400e-01, 1.8506e+00],
[3.8880e-01, 3.3928e-05, 4.5694e-02],
[6.8334e+00, 2.8991e-02, 8.2003e-01],
[3.0618e+00, 3.4846e-03, 2.3716e-01],
[1.7826e+00, 8.6764e-04, 1.4449e-01],
[2.6937e-01, 7.9319e-06, 3.3825e-02],
[6.9000e-01, 1.7617e-04, 8.6434e-02],
[3.6214e+00, 7.3306e-04, 2.3838e-01],
[1.0086e+01, 7.8445e-03, 4.7981e-01],
[8.1918e-01, 2.1334e-04, 7.3441e-02],
[3.1535e+00, 3.5323e-04, 2.1197e-01],
[1.2909e-02, 2.5621e-07, 1.9360e-03],
[2.9831e-01, 7.1629e-06, 2.6889e-02],
[1.1520e-02, 1.4354e-07, 1.7865e-03],
[1.5492e+02, 2.8466e+00, 3.5702e+00],
[2.3768e-01, 3.9577e-05, 3.0662e-02],
[3.3624e-02, 1.7925e-07, 4.5589e-03],
[1.0477e+01, 2.3636e-02, 5.9339e-01],
[1.9367e+01, 2.3006e-02, 5.6749e-01],
[1.7387e+01, 8.1578e-02, 8.0706e-01],
[5.9239e+00, 8.3804e-03, 3.1866e-01],
[2.8951e+01, 3.1409e-01, 1.1892e+00],
[6.0348e-01, 2.5693e-05, 4.4356e-02],
[8.4211e+01, 9.6707e-01, 2.4098e+00],
[1.6611e-01, 5.3301e-06, 2.0971e-02],

```

[3.1580e-01, 3.3993e-05, 2.9627e-02],  
[3.8541e+00, 4.4355e-03, 2.1641e-01],  
[9.2702e-01, 4.0565e-04, 8.6423e-02],  
[6.3567e+00, 1.0122e-03, 2.4812e-01],  
[5.6608e+01, 1.9660e-01, 2.2628e+00],  
[4.6797e+01, 8.3230e-02, 1.8539e+00],  
[8.0980e-02, 9.4191e-07, 1.1004e-02],  
[3.4814e+01, 7.6269e-02, 1.6740e+00],  
[2.7255e+01, 1.7204e-01, 8.7369e-01],  
[4.5235e-03, 5.3513e-09, 7.2647e-04],  
[9.3930e+01, 4.5020e-01, 3.4293e+00],  
[9.3464e+00, 6.3615e-03, 6.4981e-01],  
[5.0327e+01, 5.1342e-02, 2.3604e+00],  
[2.8395e-01, 2.5733e-05, 2.8144e-02],  
[1.6786e+00, 1.4011e-03, 1.4861e-01],  
[2.2006e-01, 2.3737e-05, 2.5733e-02],  
[3.2314e-02, 2.2297e-07, 4.4499e-03],  
[8.5306e+00, 1.2035e-02, 3.8914e-01],  
[2.1860e+01, 1.1220e-01, 8.8561e-01],  
[8.6354e-01, 2.1140e-04, 6.7435e-02],  
[8.2656e+00, 2.3042e-02, 5.3700e-01],  
[3.5914e+01, 1.9080e-01, 1.1482e+00],  
[1.7081e+00, 7.2194e-04, 1.2362e-01],  
[7.9338e-01, 2.4456e-05, 8.1966e-02],  
[9.1842e+00, 1.5131e-02, 5.4857e-01],  
[8.6675e+01, 1.2195e+00, 2.2114e+00],  
[1.2688e+01, 2.8232e-02, 7.1569e-01],  
[9.7471e-01, 1.2529e-04, 1.1097e-01],  
[1.6023e+00, 1.3179e-03, 1.4871e-01],  
[5.4684e-02, 4.1692e-07, 7.8867e-03],  
[1.9647e+01, 1.6058e-01, 9.4469e-01],  
[8.1615e-01, 4.0710e-04, 8.5897e-02],  
[6.2262e+00, 3.5826e-03, 3.1780e-01],  
[1.2069e+00, 1.7236e-04, 1.1784e-01],  
[1.1020e+01, 7.0132e-04, 5.4753e-01],  
[9.5165e-01, 2.5440e-04, 9.7289e-02],  
[1.7148e+01, 9.6370e-02, 1.6856e+00],  
[5.7232e-01, 1.8750e-04, 5.3913e-02],  
[1.1460e+00, 1.4823e-04, 1.1432e-01],  
[7.7761e-02, 1.6390e-06, 1.1117e-02],  
[4.0389e+01, 6.6349e-02, 2.0391e+00],  
[9.9940e+00, 1.4318e-02, 4.5435e-01],  
[1.2211e+02, 1.5198e+00, 3.7018e+00],  
[1.4943e-03, 4.5130e-10, 2.4310e-04],  
[2.8007e+00, 4.1654e-03, 2.4189e-01],  
[1.3214e+00, 6.8082e-04, 1.4851e-01],  
[1.3215e+01, 8.4708e-02, 1.2079e+00],  
[3.4954e+01, 4.0857e-01, 1.2181e+00],

[6.1744e+00, 1.6788e-02, 5.5609e-01],  
 [4.4115e+00, 1.1802e-03, 4.1439e-01],  
 [7.7192e+01, 7.2693e-01, 3.3526e+00],  
 [1.5457e+01, 3.8519e-02, 1.3153e+00],  
 [6.3107e-01, 1.5117e-04, 8.3410e-02],  
 [9.1924e-02, 1.7140e-06, 1.3687e-02],  
 [8.2416e-01, 1.5107e-04, 8.9326e-02],  
 [1.6275e-01, 5.6689e-06, 1.6637e-02],  
 [9.5765e-02, 6.5447e-06, 1.3025e-02],  
 [1.2329e+00, 9.8558e-05, 1.2809e-01],  
 [5.4223e-01, 1.5229e-04, 6.4648e-02],  
 [8.6881e+00, 1.0930e-02, 8.6680e-01],  
 [9.1550e+00, 1.5086e-02, 3.6989e-01],  
 [5.7773e-02, 9.6931e-07, 8.3046e-03],  
 [3.3546e-01, 1.6758e-05, 4.4772e-02],  
 [3.2332e+01, 1.8289e-01, 1.4070e+00],  
 [4.0046e-01, 1.8502e-05, 5.0455e-02],  
 [8.7181e+01, 4.7062e-01, 3.7641e+00],  
 [4.2616e+01, 9.9310e-02, 1.0839e+00],  
 [2.4272e+01, 2.2447e-01, 9.6388e-01],  
 [6.6045e+00, 3.1325e-03, 5.8585e-01],  
 [5.5216e-01, 1.2038e-04, 5.0567e-02],  
 [5.0735e+00, 2.6279e-04, 2.3369e-01],  
 [7.8591e+01, 7.0409e-01, 2.0449e+00],  
 [1.9429e+02, 2.5774e+00, 4.6923e+00],  
 [1.4943e-01, 1.1343e-05, 1.6506e-02],  
 [1.2777e-01, 6.0429e-06, 1.4842e-02],  
 [1.0508e+00, 2.3081e-05, 8.4470e-02],  
 [2.1021e+01, 1.0223e-01, 7.4707e-01],  
 [3.1383e-01, 9.5462e-06, 4.4923e-02],  
 [6.2322e+01, 4.0286e-01, 1.6763e+00],  
 [1.1764e+01, 3.0088e-02, 5.2519e-01],  
 [3.3147e+01, 6.2809e-02, 2.2977e+00],  
 [1.0531e+02, 1.3420e+00, 3.8038e+00],  
 [4.8511e+00, 4.9423e-03, 3.4528e-01],  
 [2.5051e+01, 1.9860e-01, 1.3724e+00],  
 [1.3575e+01, 1.3251e-02, 8.4399e-01],  
 [3.1250e-01, 2.1212e-05, 3.7374e-02],  
 [3.0989e-02, 2.2273e-07, 4.6156e-03],  
 [2.6255e+01, 1.4237e-01, 9.7354e-01],  
 [8.4428e-01, 7.8136e-05, 9.0260e-02],  
 [3.7632e+00, 1.8860e-03, 2.5054e-01],  
 [1.0930e-01, 8.4013e-06, 1.3071e-02],  
 [2.1002e+01, 4.6190e-02, 6.1654e-01],  
 [2.3619e+02, 1.5374e+00, 4.2613e+00],  
 [1.2672e+00, 5.2622e-04, 1.0665e-01],  
 [3.4821e-02, 4.6265e-07, 4.9777e-03],  
 [2.8937e+01, 2.3876e-01, 1.6485e+00],



[1.4377e+00, 3.4658e-04, 1.0787e-01],  
[2.1478e+00, 4.1731e-04, 1.5321e-01],  
[1.7847e+01, 4.8022e-02, 9.7765e-01],  
[1.9419e+02, 5.7401e+00, 4.6185e+00],  
[5.9751e+00, 1.1703e-02, 5.5494e-01],  
[4.8684e-01, 4.1369e-05, 6.6665e-02],  
[9.0182e+01, 3.7989e-01, 4.0519e+00],  
[3.1020e+00, 4.0072e-03, 3.0460e-01],  
[5.2791e+00, 1.0696e-02, 6.3897e-01],  
[2.2171e+01, 5.8679e-02, 6.5854e-01],  
[6.4801e+01, 9.3944e-01, 2.7357e+00],  
[2.1234e+01, 1.1779e-01, 7.2811e-01],  
[3.2088e+00, 5.6574e-03, 2.6049e-01],  
[1.6681e-01, 9.0298e-06, 1.9193e-02],  
[3.8522e+00, 1.3106e-03, 3.2527e-01],  
[3.9686e-01, 2.8798e-05, 4.9736e-02],  
[8.5022e-04, 1.1017e-10, 1.3827e-04],  
[3.2161e+01, 1.7374e-01, 9.9112e-01],  
[8.1188e+00, 3.5845e-02, 7.6716e-01],  
[2.5188e-01, 1.2918e-05, 2.2534e-02],  
[7.9267e-01, 2.2347e-04, 8.6603e-02],  
[9.6943e+00, 2.1208e-02, 4.9517e-01],  
[9.3063e+00, 2.7596e-02, 5.9956e-01],  
[2.3602e+01, 1.2829e-02, 1.3468e+00],  
[1.5605e+01, 3.8868e-02, 6.1260e-01],  
[1.7787e-02, 4.8866e-08, 2.6036e-03],  
[1.8390e+00, 4.7726e-04, 1.7021e-01],  
[6.0477e+01, 1.8232e-01, 3.3436e+00],  
[3.7536e-01, 2.2322e-05, 3.3439e-02],  
[2.4185e+00, 7.0080e-04, 1.3723e-01],  
[2.1189e+00, 1.4331e-03, 1.3029e-01],  
[4.5764e+01, 7.4226e-01, 1.4754e+00],  
[5.5686e+00, 2.2712e-03, 4.2247e-01],  
[5.6167e+01, 6.6833e-01, 1.8377e+00],  
[5.3345e+00, 3.6589e-02, 5.5712e-01],  
[8.6142e-01, 1.7137e-04, 6.6723e-02],  
[4.0491e+01, 2.5231e-02, 1.5506e+00],  
[1.3044e-01, 6.6097e-06, 1.6037e-02],  
[1.2518e+01, 1.2314e-02, 4.2147e-01],  
[3.1036e+01, 8.4274e-02, 1.3546e+00],  
[6.0574e+01, 1.3455e-01, 2.6679e+00],  
[6.8827e+01, 5.6913e-01, 1.7535e+00],  
[3.1575e-02, 7.1165e-07, 4.3160e-03],  
[5.9825e+01, 4.0833e-01, 2.4915e+00],  
[9.4928e+01, 4.7477e-01, 2.2563e+00],  
[7.1909e+01, 2.8837e-01, 1.9112e+00],  
[6.5025e-02, 1.5677e-06, 8.2351e-03],  
[2.7374e-04, 1.1609e-11, 4.5069e-05],

[1.1168e-01, 1.4732e-06, 1.4565e-02],  
[9.8391e-01, 3.0529e-04, 8.3851e-02],  
[3.7390e+00, 8.3064e-05, 2.0772e-01],  
[7.0030e+01, 4.7714e-01, 1.5698e+00],  
[1.8464e+00, 1.2014e-03, 1.4820e-01],  
[4.3990e-01, 3.8676e-05, 4.4287e-02],  
[9.2384e+00, 5.0727e-03, 5.2870e-01],  
[1.3363e+00, 2.1871e-04, 1.7049e-01],  
[8.5028e+01, 2.2795e+00, 3.2270e+00],  
[9.9253e+01, 7.0013e-01, 4.2908e+00],  
[1.1985e+00, 2.5261e-03, 1.4612e-01],  
[2.0526e+00, 3.3692e-03, 1.9914e-01],  
[1.1638e+02, 9.1681e-02, 2.4458e+00],  
[8.3927e+01, 1.5149e+00, 2.8643e+00],  
[5.0204e+00, 8.3944e-03, 3.4058e-01],  
[3.0037e-02, 5.3883e-07, 4.5915e-03],  
[2.9148e+00, 5.5478e-04, 2.2032e-01],  
[1.6002e+02, 2.9046e+00, 4.5569e+00],  
[6.0531e+01, 3.7126e-01, 2.1611e+00],  
[1.6888e+00, 1.3592e-03, 2.3663e-01],  
[4.9136e+01, 2.2060e-01, 2.2949e+00],  
[2.8099e+02, 7.5756e+00, 4.4090e+00],  
[4.0717e-01, 1.2775e-05, 3.6424e-02],  
[8.0128e+01, 9.9583e-01, 3.1235e+00],  
[2.8636e+00, 4.5754e-03, 2.1550e-01],  
[1.9401e-01, 7.6465e-06, 2.5138e-02],  
[1.8199e+01, 5.4048e-02, 1.2509e+00],  
[1.6073e+00, 9.3726e-04, 1.3821e-01],  
[4.1257e+00, 5.3348e-03, 4.4683e-01],  
[5.7037e+01, 7.7228e-01, 2.2342e+00],  
[1.7048e+01, 2.5298e-02, 5.2208e-01],  
[6.4595e+00, 2.6466e-02, 5.6211e-01],  
[1.7317e+00, 2.5173e-04, 1.6348e-01],  
[1.2228e+01, 1.9316e-02, 4.0351e-01],  
[8.2451e+00, 1.6898e-02, 4.0129e-01],  
[4.9159e-01, 1.1426e-04, 5.3724e-02],  
[4.2816e+00, 1.8272e-03, 5.5495e-01],  
[3.6193e+00, 2.5404e-03, 3.1245e-01],  
[1.0109e+01, 2.5891e-02, 4.8716e-01],  
[2.0806e+00, 1.6631e-03, 1.7201e-01],  
[1.0724e+00, 2.2666e-04, 7.4217e-02],  
[3.1202e+01, 2.6906e-01, 2.2851e+00],  
[1.6793e-02, 3.6427e-08, 2.4321e-03],  
[3.2539e+00, 4.9322e-03, 3.7997e-01],  
[7.7667e-01, 2.5522e-04, 7.8616e-02],  
[2.2685e-01, 9.8450e-06, 2.0876e-02],  
[1.8005e-01, 6.0159e-06, 2.0873e-02],  
[1.7596e+02, 2.4805e+00, 4.2690e+00],

[1.6977e+00, 8.6894e-04, 1.1708e-01],  
[5.6452e+01, 2.4607e-01, 1.6949e+00],  
[2.0472e+01, 9.6154e-02, 8.6760e-01],  
[9.3972e+01, 5.7130e-02, 2.0483e+00],  
[1.5812e-01, 2.2604e-06, 1.8833e-02],  
[1.4305e+02, 3.6018e-01, 3.2439e+00],  
[6.0886e-03, 1.0907e-08, 9.3851e-04],  
[1.2117e+01, 8.6011e-03, 6.3100e-01],  
[2.1899e+00, 3.5989e-04, 1.3007e-01],  
[1.1097e+01, 1.0522e-02, 3.8031e-01],  
[1.1851e-01, 5.1126e-06, 1.4728e-02],  
[7.0187e+00, 3.1156e-03, 2.5930e-01],  
[4.3716e+01, 6.5659e-02, 1.1148e+00],  
[5.8761e+00, 3.7333e-03, 2.8619e-01],  
[6.7241e-02, 2.3778e-06, 8.3834e-03],  
[3.8718e+01, 5.8326e-01, 1.9116e+00],  
[7.5255e-01, 3.2347e-04, 8.6214e-02],  
[1.4006e+01, 1.0676e-01, 1.3500e+00],  
[3.9684e+00, 5.6498e-03, 2.3225e-01],  
[5.3141e-03, 5.5000e-09, 8.3397e-04],  
[2.8248e+00, 8.1248e-04, 1.9499e-01],  
[9.6524e+00, 9.0814e-03, 7.8816e-01],  
[4.1266e-01, 1.3640e-05, 3.6741e-02],  
[1.4458e+02, 3.1034e-01, 3.9930e+00],  
[5.8025e+01, 3.8382e-01, 1.6007e+00],  
[8.5703e-02, 3.8398e-06, 1.1443e-02],  
[1.1688e+00, 6.3441e-04, 1.1687e-01],  
[4.4966e+00, 7.7610e-04, 3.3446e-01],  
[1.0334e-01, 1.1291e-06, 1.4117e-02],  
[2.4051e+02, 7.1252e+00, 4.7828e+00],  
[6.6512e-01, 6.8107e-05, 6.5004e-02],  
[8.4941e+01, 1.2608e+00, 2.1487e+00],  
[2.0736e+02, 2.3987e+00, 3.8186e+00],  
[1.3950e-02, 1.3450e-07, 2.0463e-03],  
[7.0144e+01, 1.2334e+00, 2.1811e+00],  
[2.4999e-01, 4.3273e-06, 3.1781e-02],  
[1.0899e+02, 2.5632e+00, 3.1547e+00],  
[8.4661e+01, 4.4140e-02, 2.6730e+00],  
[2.3456e+00, 6.5238e-04, 1.6814e-01],  
[8.5218e+00, 6.6134e-03, 5.4610e-01],  
[1.2316e+02, 6.6233e-01, 2.6760e+00],  
[3.4314e+01, 9.3370e-02, 1.1639e+00],  
[5.3429e+00, 3.7756e-03, 3.5371e-01],  
[2.1076e+01, 6.0678e-02, 1.0402e+00],  
[1.6278e+02, 7.4059e+00, 4.6356e+00],  
[4.8870e-01, 9.5073e-06, 4.9912e-02],  
[3.7375e+00, 4.2683e-04, 2.6806e-01],  
[1.8305e+01, 5.6039e-02, 7.2973e-01],

```

[5.5500e+00, 3.7385e-03, 2.8108e-01],
[2.5695e-01, 2.9156e-05, 2.5370e-02],
[3.7988e+00, 1.5432e-03, 1.9831e-01],
[1.6061e+02, 1.2346e+00, 2.9142e+00],
[1.1363e+01, 2.0154e-02, 6.1143e-01],
[6.2957e+00, 4.5619e-03, 4.0403e-01],
[3.6816e+00, 1.0547e-03, 2.2851e-01],
[4.1017e-02, 6.1895e-07, 5.7939e-03],
[7.3558e+01, 1.9243e-01, 2.4507e+00],
[1.6264e+00, 1.1890e-03, 1.4538e-01],
[4.0567e+01, 1.3187e-01, 1.4949e+00],
[9.3495e+00, 2.9593e-03, 5.5457e-01],
[2.5747e-02, 7.8344e-08, 3.6659e-03],
[4.5964e+01, 7.7049e-02, 1.2472e+00],
[5.2708e+01, 2.9929e-01, 1.2206e+00],
[5.4251e+01, 4.9676e-01, 2.3647e+00],
[8.0053e+01, 4.3288e-01, 1.8440e+00],
[5.1889e+01, 6.1558e-01, 1.7947e+00],
[7.8602e+01, 1.9716e+00, 3.4046e+00],
[1.9161e-01, 2.6121e-06, 2.2039e-02],
[3.5801e+00, 6.7809e-04, 1.7422e-01],
[1.0700e-01, 1.2894e-06, 1.3066e-02],
[1.7670e+01, 2.6288e-02, 8.3778e-01],
[9.1880e+00, 1.1354e-02, 3.9500e-01],
[1.5068e+01, 1.9199e-02, 1.3144e+00],
[7.4272e+01, 4.2345e-01, 2.1381e+00],
[1.0023e+02, 1.5002e+00, 2.0421e+00],
[7.2807e+00, 7.2901e-03, 3.7829e-01],
[6.7313e+01, 1.1603e+00, 2.8618e+00],
[5.7504e+00, 5.8794e-03, 4.2333e-01],
[4.9321e+01, 2.4165e-01, 1.5827e+00],
[9.5224e+00, 1.6801e-02, 4.8505e-01],
[1.9213e+00, 6.0573e-04, 1.5544e-01],
[7.6277e-01, 1.4065e-04, 7.9106e-02],
[2.9650e-01, 4.3354e-05, 3.6175e-02],
[6.3992e+01, 9.5519e-01, 2.4930e+00]], dtype=torch.float64)
Iteration: 113
Inputs: tensor([[1.7613e+20, 4.1621e+02, 5.6412e+00, 5.0680e+00],
               [1.9075e+19, 1.1750e+02, 1.4016e+01, 2.8416e+00],
               [6.6064e+20, 2.1138e+02, 1.6029e+01, 2.1392e+00],
               ...,
               [9.7006e+18, 3.7489e+02, 1.6316e+01, 4.4152e+00],
               [1.9699e+18, 4.4160e+02, 1.8238e+01, 9.2991e+00],
               [3.5134e+19, 1.7273e+02, 7.1930e+00, 6.0656e+00]], dtype=torch.float64)
Target: tensor([[8.3810e+01, 4.3904e-01, 1.9801e+00],
               [5.5553e-01, 8.2459e-05, 7.0447e-02],
               [3.7548e+01, 1.2780e-01, 2.5529e+00],
               [9.8616e+00, 2.7356e-02, 7.1573e-01],

```

[8.0765e-01, 1.0415e-04, 6.9822e-02],  
[7.3252e+00, 1.7708e-03, 3.6805e-01],  
[1.4387e+00, 5.6841e-04, 1.6847e-01],  
[1.7403e+02, 4.1738e+00, 4.7703e+00],  
[5.6960e-03, 8.9839e-09, 8.7465e-04],  
[1.5698e+01, 1.1819e-01, 9.5767e-01],  
[9.5902e-01, 7.8336e-05, 1.1152e-01],  
[1.7396e+02, 6.8990e+00, 4.5335e+00],  
[2.9568e+01, 1.6559e-01, 9.2705e-01],  
[2.2017e+01, 1.0065e-02, 7.7909e-01],  
[2.5167e-01, 6.2062e-06, 2.9903e-02],  
[2.0322e+01, 8.3496e-02, 6.6158e-01],  
[3.6085e-02, 1.5847e-07, 4.8395e-03],  
[2.3968e+01, 9.6593e-02, 1.0196e+00],  
[2.4339e+00, 1.4127e-03, 2.0411e-01],  
[1.1154e+01, 2.7510e-02, 7.7552e-01],  
[1.4294e+01, 4.7611e-02, 1.0728e+00],  
[8.7756e+01, 1.1985e+00, 2.8127e+00],  
[2.0121e-01, 3.6916e-05, 2.7647e-02],  
[1.1473e+02, 1.2705e+00, 2.6770e+00],  
[9.3242e+00, 3.6270e-03, 5.5061e-01],  
[5.1589e-03, 2.4677e-08, 8.2346e-04],  
[3.7126e+01, 3.6946e-01, 1.4687e+00],  
[1.3065e-01, 1.6562e-05, 1.7939e-02],  
[1.2560e+01, 3.1918e-02, 5.8964e-01],  
[2.0889e+02, 9.8644e+00, 4.9076e+00],  
[1.4871e-02, 4.6176e-08, 2.2893e-03],  
[6.4909e+01, 6.1902e-02, 2.0276e+00],  
[1.4023e-01, 7.8062e-06, 1.8107e-02],  
[9.2773e+01, 1.3281e+00, 2.3647e+00],  
[5.1375e+00, 1.4694e-03, 4.7916e-01],  
[1.4790e-01, 1.6397e-05, 1.5773e-02],  
[4.4140e+01, 2.4292e-01, 9.6942e-01],  
[1.0338e-01, 6.1819e-06, 1.2390e-02],  
[4.5835e+00, 1.1269e-02, 5.2398e-01],  
[5.4240e-01, 1.0809e-04, 6.3143e-02],  
[7.0641e-02, 1.5826e-07, 1.0653e-02],  
[7.6123e+00, 1.6631e-03, 5.3978e-01],  
[1.2171e-01, 6.2752e-06, 1.5759e-02],  
[3.4557e+01, 4.1040e-02, 8.4968e-01],  
[5.0864e-01, 6.7460e-05, 4.9186e-02],  
[6.7892e-01, 6.0915e-04, 9.1363e-02],  
[4.6843e+01, 9.8860e-02, 1.2489e+00],  
[3.7195e-01, 6.8074e-05, 4.2581e-02],  
[3.4102e+01, 5.4591e-02, 1.6858e+00],  
[5.5306e+00, 4.8805e-03, 4.0048e-01],  
[9.1389e+00, 1.9180e-02, 6.0625e-01],  
[2.6936e+00, 4.1441e-03, 2.8622e-01],

[1.3165e+00, 8.4247e-04, 1.3423e-01],  
 [4.4130e+01, 1.0319e-01, 1.4933e+00],  
 [1.9027e+00, 1.4425e-03, 1.5066e-01],  
 [9.4264e+01, 6.2414e-01, 2.7404e+00],  
 [1.1925e+02, 3.5180e+00, 3.1159e+00],  
 [6.2759e+00, 1.6226e-03, 4.7101e-01],  
 [2.6674e-01, 4.0893e-05, 2.7883e-02],  
 [9.4523e+00, 2.5616e-02, 6.2291e-01],  
 [5.6213e-01, 2.3987e-05, 5.8055e-02],  
 [3.7824e+01, 3.9542e-01, 1.2878e+00],  
 [4.5180e-03, 1.2718e-09, 7.0817e-04],  
 [7.3514e-02, 2.0290e-06, 9.2156e-03],  
 [2.9855e+00, 9.5226e-04, 2.9784e-01],  
 [8.4152e+00, 1.5161e-02, 4.0808e-01],  
 [7.5907e-01, 2.4076e-04, 8.3172e-02],  
 [1.2331e+01, 5.0525e-02, 5.4551e-01],  
 [4.1172e+00, 2.0920e-03, 2.0408e-01],  
 [6.8484e+00, 6.5561e-04, 5.1861e-01],  
 [1.6701e+00, 8.1766e-04, 1.3093e-01],  
 [4.0364e+00, 2.3778e-03, 2.0773e-01],  
 [4.0028e+00, 7.1789e-04, 2.5084e-01],  
 [5.5434e-01, 5.2541e-05, 7.0653e-02],  
 [8.9602e-01, 3.1245e-05, 8.9350e-02],  
 [2.0535e+00, 2.2262e-03, 1.9237e-01],  
 [8.1357e-01, 4.1889e-04, 1.1673e-01],  
 [8.5405e+00, 7.9813e-03, 3.2965e-01],  
 [2.9843e-02, 9.3044e-07, 4.2590e-03],  
 [9.3984e+01, 8.4239e-01, 2.7101e+00],  
 [4.4120e+01, 4.2311e-01, 1.5490e+00],  
 [1.9377e+01, 6.8098e-02, 8.1988e-01],  
 [3.6156e+00, 4.0622e-03, 2.0389e-01],  
 [7.0449e-02, 3.0189e-06, 1.0247e-02],  
 [3.8605e+00, 2.3016e-03, 2.5420e-01],  
 [3.6407e+01, 2.0148e-01, 1.5711e+00],  
 [6.1939e+01, 8.1361e-01, 1.8130e+00],  
 [1.7419e-01, 9.6615e-06, 2.0359e-02],  
 [7.7751e+01, 1.1534e-01, 2.6664e+00],  
 [5.8970e-03, 7.7233e-09, 9.1610e-04],  
 [2.3134e+01, 5.1361e-02, 6.5367e-01],  
 [3.9235e+01, 1.0818e-01, 8.7170e-01],  
 [9.1836e+00, 2.1781e-02, 6.4806e-01],  
 [1.5240e+01, 7.6233e-02, 1.4523e+00],  
 [9.7888e-01, 1.0825e-04, 8.9841e-02],  
 [3.5601e+01, 8.1559e-02, 7.9559e-01],  
 [2.1843e+02, 3.5304e+00, 4.9497e+00],  
 [1.0019e+01, 9.8785e-03, 6.5260e-01],  
 [1.3122e-01, 1.2233e-06, 1.4340e-02],  
 [1.0023e+00, 1.8157e-05, 6.5942e-02],

[8.3269e+00, 1.1779e-02, 4.1873e-01],  
 [1.1003e+00, 7.9666e-04, 1.1371e-01],  
 [1.7505e+00, 2.4949e-04, 1.8780e-01],  
 [2.4793e-01, 5.9911e-06, 3.1525e-02],  
 [5.3985e+01, 8.1991e-01, 1.6829e+00],  
 [5.7143e+00, 2.4671e-03, 3.8423e-01],  
 [1.5676e+00, 5.5311e-04, 1.4872e-01],  
 [3.6465e+01, 4.2337e-02, 1.7392e+00],  
 [1.9936e+02, 2.4722e+00, 4.8411e+00],  
 [2.1911e+01, 9.4605e-02, 9.2824e-01],  
 [2.5355e+02, 4.6213e+00, 5.0563e+00],  
 [2.0267e+01, 1.6297e-02, 1.3642e+00],  
 [4.4966e-01, 1.0625e-04, 4.1377e-02],  
 [1.4783e+01, 2.3754e-02, 9.1911e-01],  
 [4.4265e+01, 9.8357e-02, 1.9328e+00],  
 [1.6208e+02, 6.0008e+00, 3.5319e+00],  
 [3.1977e+00, 2.4658e-03, 1.9969e-01],  
 [1.1674e+01, 1.2914e-03, 5.2403e-01],  
 [1.0903e+02, 1.5599e+00, 2.1648e+00],  
 [9.8146e+00, 4.3670e-02, 1.0599e+00],  
 [2.8774e+01, 4.0310e-02, 1.1909e+00],  
 [1.5945e+02, 6.7692e-01, 3.7351e+00],  
 [1.2179e+01, 6.0556e-02, 5.8187e-01],  
 [5.5435e+01, 7.5217e-01, 2.2968e+00],  
 [3.2457e+00, 3.0447e-03, 2.4690e-01],  
 [2.5365e-02, 2.9881e-07, 3.5296e-03],  
 [1.4542e-01, 1.7226e-05, 1.7498e-02],  
 [3.4779e+01, 1.3843e-01, 1.0553e+00],  
 [9.5008e-01, 2.9676e-04, 1.0255e-01],  
 [5.9273e-03, 3.7975e-09, 9.1774e-04],  
 [4.1874e-02, 1.0384e-07, 5.9713e-03],  
 [1.6764e+01, 4.7003e-02, 7.1168e-01],  
 [2.8075e-02, 7.9175e-07, 4.3317e-03],  
 [3.1754e-01, 5.2900e-05, 4.1220e-02],  
 [3.7890e-03, 2.8007e-09, 6.0593e-04],  
 [3.3047e+00, 2.5271e-03, 2.0076e-01],  
 [5.1434e-01, 1.4714e-04, 7.0199e-02],  
 [5.6884e-03, 4.5058e-08, 8.9637e-04],  
 [5.4168e+01, 9.3944e-02, 1.6347e+00],  
 [1.5988e+01, 5.9229e-02, 8.0917e-01],  
 [1.3369e-01, 2.9714e-06, 1.5890e-02],  
 [4.5881e+01, 2.8888e-01, 1.7421e+00],  
 [7.1820e+01, 5.2568e-01, 3.6447e+00],  
 [5.8428e-02, 5.2869e-06, 8.4607e-03],  
 [9.7517e+01, 1.8462e+00, 2.6997e+00],  
 [3.0265e+01, 6.2752e-02, 2.0579e+00],  
 [5.4378e-01, 6.0805e-05, 6.8610e-02],  
 [1.0859e+00, 1.0048e-04, 8.4115e-02],

[6.2470e+01, 1.0379e+00, 3.0943e+00],  
 [1.4024e+00, 2.3665e-05, 1.0058e-01],  
 [6.2127e+01, 3.0104e-01, 2.4145e+00],  
 [8.5215e-01, 8.8057e-05, 9.7305e-02],  
 [2.8031e-02, 2.2695e-07, 3.9672e-03],  
 [6.2863e+00, 1.0679e-02, 4.7206e-01],  
 [1.7393e+00, 3.7058e-03, 2.2742e-01],  
 [1.5419e-02, 2.6573e-08, 2.2384e-03],  
 [3.3409e+00, 2.1853e-03, 2.1453e-01],  
 [1.1630e+02, 1.1422e-01, 2.7854e+00],  
 [1.4878e-01, 1.9390e-06, 1.9268e-02],  
 [9.6916e-01, 3.2248e-04, 9.5567e-02],  
 [8.0425e+01, 1.3580e+00, 2.4441e+00],  
 [1.6672e+00, 9.4021e-04, 1.4676e-01],  
 [5.6771e+01, 7.1220e-01, 2.3076e+00],  
 [1.1368e+02, 1.0281e+00, 2.6307e+00],  
 [2.3616e-02, 1.0552e-07, 3.4595e-03],  
 [9.4566e-01, 8.1427e-05, 6.2144e-02],  
 [4.1236e+01, 9.9091e-02, 1.4525e+00],  
 [9.3622e+01, 9.5612e-02, 2.2855e+00],  
 [5.3177e+01, 2.1694e-02, 1.3967e+00],  
 [1.2816e+01, 9.9456e-03, 8.4408e-01],  
 [3.9131e+00, 7.4389e-03, 2.8903e-01],  
 [5.4753e-01, 4.9886e-05, 5.1736e-02],  
 [8.0090e-01, 2.3004e-05, 9.4714e-02],  
 [3.2936e-01, 2.0471e-05, 3.5589e-02],  
 [7.0904e+01, 4.0763e-01, 2.5948e+00],  
 [8.3625e-01, 9.4146e-05, 7.2012e-02],  
 [6.8584e+01, 1.8193e-01, 2.6860e+00],  
 [4.6491e-02, 9.4789e-08, 6.5060e-03],  
 [1.7852e+01, 1.1902e-02, 1.4530e+00],  
 [4.7692e-01, 2.4578e-05, 4.6389e-02],  
 [6.1323e+00, 3.0147e-03, 6.3856e-01],  
 [3.4689e+00, 2.8549e-03, 2.4290e-01],  
 [1.7671e-01, 5.9215e-06, 2.1653e-02],  
 [1.8469e-01, 8.4396e-06, 2.2346e-02],  
 [3.8780e+00, 1.4137e-03, 3.2226e-01],  
 [1.9818e-01, 2.1255e-05, 2.5200e-02],  
 [5.1393e+01, 5.9702e-02, 2.2930e+00],  
 [1.6561e+00, 3.5122e-04, 1.0130e-01],  
 [2.7134e+01, 1.7468e-01, 1.0628e+00],  
 [1.6547e+00, 5.8760e-04, 2.2903e-01],  
 [5.2651e+01, 3.6524e-01, 2.1925e+00],  
 [2.3983e+02, 1.6586e+01, 5.0051e+00],  
 [1.4748e+01, 2.0107e-02, 9.0845e-01],  
 [4.4034e+00, 3.8275e-04, 2.5806e-01],  
 [6.4880e+01, 2.3997e-01, 2.2595e+00],  
 [4.9047e+01, 7.4970e-02, 1.5066e+00],



[7.5068e+01, 3.0132e-01, 3.4032e+00],  
[3.2961e-01, 3.8723e-05, 2.9764e-02],  
[2.4960e+01, 3.8349e-03, 1.2922e+00],  
[4.2583e+00, 3.1046e-03, 3.5061e-01],  
[7.6935e+01, 1.0029e+00, 2.8152e+00],  
[1.6940e+02, 5.1702e-01, 4.3284e+00],  
[1.9123e+00, 4.8294e-03, 2.2525e-01],  
[3.8731e-01, 3.0394e-05, 4.7800e-02],  
[1.5668e-01, 1.2336e-05, 1.6664e-02],  
[2.3892e+00, 9.3741e-04, 1.7998e-01],  
[2.0252e-01, 1.2384e-05, 2.0854e-02],  
[1.4878e+02, 2.4224e+00, 3.1697e+00],  
[2.3567e-01, 1.5886e-05, 2.3735e-02],  
[4.2311e-01, 6.0281e-05, 4.6938e-02],  
[1.1671e-02, 8.3286e-08, 1.7680e-03],  
[1.4369e+02, 3.5891e+00, 4.0515e+00],  
[1.1837e+01, 1.8251e-02, 8.3442e-01],  
[1.2042e+01, 5.1888e-02, 6.7050e-01],  
[4.4588e+01, 3.8149e-01, 2.5769e+00],  
[5.7060e+00, 1.1807e-02, 5.3170e-01],  
[9.4778e+00, 2.5347e-02, 4.8290e-01],  
[5.7632e-01, 1.8045e-05, 6.3990e-02],  
[1.0611e+00, 5.1284e-04, 7.9717e-02],  
[4.6493e+00, 4.3976e-03, 3.1092e-01],  
[5.2648e+01, 1.9995e-01, 2.1978e+00],  
[5.9604e-01, 2.4094e-04, 6.6506e-02],  
[1.8089e+00, 2.3591e-04, 1.1639e-01],  
[9.4360e+00, 7.1226e-03, 6.1933e-01],  
[6.4412e+00, 6.7467e-03, 3.7388e-01],  
[1.0103e+02, 6.8494e-01, 2.3724e+00],  
[9.1955e-01, 1.4082e-04, 1.1637e-01],  
[5.5818e+01, 3.6629e-01, 1.2478e+00],  
[1.9154e+01, 4.5082e-02, 1.5879e+00],  
[2.4864e+01, 4.9501e-02, 9.2282e-01],  
[4.2638e+01, 3.3061e-01, 1.3578e+00],  
[9.1412e+01, 2.5988e-01, 2.6553e+00],  
[1.1789e+02, 1.7669e+00, 3.0333e+00],  
[8.9208e+01, 1.3987e+00, 2.9845e+00],  
[1.7080e+02, 1.1522e+00, 3.7067e+00],  
[1.7316e+01, 2.6961e-02, 8.2688e-01],  
[1.2382e+00, 2.4493e-04, 9.9114e-02],  
[1.8601e+01, 3.9545e-02, 9.0370e-01],  
[6.0435e-02, 4.7466e-07, 8.9896e-03],  
[7.8276e-01, 6.3754e-05, 7.6417e-02],  
[8.5592e-01, 1.2203e-04, 8.4181e-02],  
[1.1059e+00, 8.4184e-05, 8.9672e-02],  
[1.7933e-01, 5.4493e-06, 2.6976e-02],  
[3.8274e-01, 8.2045e-05, 3.6396e-02],

[2.2581e+01, 1.3422e-01, 1.7578e+00],  
 [1.3125e+00, 7.4311e-04, 1.0709e-01],  
 [3.3837e+00, 3.5225e-04, 2.5993e-01],  
 [9.1043e-01, 2.2595e-04, 7.9532e-02],  
 [9.9390e+01, 1.1724e+00, 3.7172e+00],  
 [5.3573e-01, 4.0652e-05, 5.5534e-02],  
 [6.1523e-01, 4.2166e-05, 9.0890e-02],  
 [1.2862e-01, 5.0354e-06, 1.6107e-02],  
 [1.5194e+01, 1.9406e-02, 5.0010e-01],  
 [2.8332e+01, 1.6588e-01, 1.1213e+00],  
 [1.6750e+01, 8.9622e-02, 8.4651e-01],  
 [9.5522e+00, 1.2585e-02, 5.5865e-01],  
 [8.6433e+01, 5.8967e-01, 3.3902e+00],  
 [8.3787e-01, 4.0501e-04, 9.8278e-02],  
 [8.1944e+01, 1.5664e+00, 2.4120e+00],  
 [7.9074e-02, 1.0264e-05, 1.1774e-02],  
 [8.3678e+01, 7.5950e-01, 2.0537e+00],  
 [9.1256e+00, 1.1417e-02, 4.2088e-01],  
 [5.8404e+01, 6.6904e-01, 3.0116e+00],  
 [3.1983e+01, 1.7643e-01, 7.9437e-01],  
 [3.2129e-01, 2.6480e-05, 3.8835e-02],  
 [1.3327e+00, 6.8992e-04, 1.5406e-01],  
 [3.0829e+01, 1.2803e-01, 8.7707e-01],  
 [3.1802e+01, 5.7836e-02, 2.4201e+00],  
 [1.5918e+00, 2.1425e-03, 1.8689e-01],  
 [3.2674e+01, 1.3096e-01, 1.1423e+00],  
 [1.3648e+01, 6.4119e-02, 9.3951e-01],  
 [1.3470e+01, 5.0941e-02, 7.8613e-01],  
 [2.5301e-01, 1.7317e-05, 2.2444e-02],  
 [1.9021e-01, 2.4416e-05, 2.4530e-02],  
 [8.2558e+00, 5.0915e-03, 3.5544e-01],  
 [1.0725e+02, 5.2601e-01, 4.0799e+00],  
 [1.8358e+00, 7.8183e-04, 1.9573e-01],  
 [1.0203e+01, 9.4196e-03, 5.2091e-01],  
 [1.9695e-01, 4.9147e-06, 2.2743e-02],  
 [1.3971e-01, 5.0730e-06, 2.0240e-02],  
 [2.5787e+01, 1.0820e-01, 1.1289e+00],  
 [4.7911e-01, 1.4423e-05, 5.6355e-02],  
 [3.0900e+00, 3.8989e-03, 2.4529e-01],  
 [2.4578e+01, 6.1712e-02, 9.5989e-01],  
 [1.0900e+01, 4.4636e-02, 4.7925e-01],  
 [5.4715e+01, 4.9142e-01, 2.7100e+00],  
 [9.5183e+00, 1.9426e-02, 8.8052e-01],  
 [4.5933e-01, 6.2176e-05, 5.4748e-02],  
 [2.6032e-01, 1.9780e-05, 2.5766e-02],  
 [2.0982e+01, 4.5935e-02, 7.0148e-01],  
 [3.6323e+00, 3.7417e-03, 2.5841e-01],  
 [5.4906e+01, 2.9805e-01, 2.6826e+00],

```

[6.0268e-01, 1.2413e-04, 6.6191e-02],
[1.6480e+01, 7.4138e-02, 6.6935e-01],
[9.6907e+01, 5.8747e-01, 3.0681e+00],
[5.2481e+01, 1.9972e-01, 2.1323e+00],
[1.8037e+00, 3.7305e-04, 1.1835e-01],
[4.1877e+00, 4.1857e-03, 2.4171e-01],
[1.0679e+00, 2.3042e-04, 1.0505e-01],
[6.3137e+01, 2.4880e-01, 2.9779e+00],
[1.2286e+00, 4.2321e-04, 1.3212e-01],
[2.2241e+01, 4.9390e-02, 1.4246e+00],
[9.4156e-02, 6.0892e-06, 1.3273e-02],
[1.3861e-01, 1.5378e-05, 1.9628e-02],
[1.6185e+01, 1.5691e-01, 8.5090e-01],
[2.9076e+01, 1.2739e-01, 1.7174e+00],
[4.9189e+01, 6.8774e-01, 3.1038e+00],
[5.2519e-01, 1.1860e-04, 4.7450e-02],
[8.1870e-01, 7.6672e-05, 4.8134e-02],
[3.7065e+00, 6.0775e-04, 4.0265e-01],
[5.5667e+00, 4.6905e-03, 3.6995e-01],
[8.2969e+01, 1.1568e+00, 2.8740e+00],
[8.2457e+00, 8.2815e-03, 4.2759e-01],
[1.4753e+01, 1.1384e-01, 8.9841e-01],
[1.0490e+02, 1.1874e+00, 3.5861e+00],
[2.2154e+00, 8.1306e-04, 1.1815e-01],
[6.8366e+00, 4.3255e-03, 4.1055e-01],
[1.9269e+00, 8.0200e-04, 1.6029e-01],
[4.4678e-01, 1.1909e-04, 4.0072e-02],
[1.0234e+01, 1.6437e-02, 5.7489e-01]], dtype=torch.float64)
Iteration: 114
Inputs: tensor([[3.6130e+20, 4.9411e+02, 1.8452e+01, 3.8697e+00],
[1.5928e+20, 3.3409e+02, 7.1307e-01, 4.6994e+00],
[1.0557e+18, 1.3074e+02, 5.1621e-01, 8.5494e+00],
...,
[4.0775e+20, 3.3704e+01, 1.5405e+01, 9.9277e+00],
[3.1614e+19, 3.9694e+02, 4.7072e+00, 2.7044e+00],
[1.0006e+19, 4.4425e+02, 1.0129e+01, 9.4889e+00]], dtype=torch.float64)
Target: tensor([[7.8881e+01, 7.0168e-01, 2.7245e+00],
[9.6940e+01, 2.7175e-01, 1.9079e+00],
[1.1558e-01, 3.6921e-06, 1.2923e-02],
[1.6054e+01, 5.4253e-02, 1.1258e+00],
[5.9306e-02, 8.2392e-07, 7.4744e-03],
[8.4128e+01, 1.9452e+00, 3.4641e+00],
[6.0335e+01, 8.2587e-01, 1.9894e+00],
[2.7311e+01, 1.8552e-02, 1.0512e+00],
[2.3033e+01, 7.6059e-02, 1.8313e+00],
[2.6160e+01, 9.5372e-02, 1.0363e+00],
[1.3952e-01, 2.8105e-06, 1.8117e-02],
[1.5095e-02, 2.6696e-07, 2.2526e-03],

```

[1.7316e+00, 2.8602e-03, 1.8251e-01],  
 [2.6056e+01, 8.3961e-02, 1.9218e+00],  
 [1.8619e-01, 2.3967e-05, 2.3483e-02],  
 [1.0300e+01, 2.9097e-02, 8.1153e-01],  
 [7.6636e-01, 7.4037e-05, 9.3593e-02],  
 [3.8906e+01, 7.8550e-03, 1.1166e+00],  
 [2.4105e+01, 1.1547e-01, 1.3932e+00],  
 [2.3083e+00, 8.4990e-04, 2.6362e-01],  
 [5.7876e-02, 1.7613e-06, 7.2998e-03],  
 [5.7114e-01, 9.3973e-05, 7.4161e-02],  
 [5.3864e-01, 9.6106e-05, 6.2086e-02],  
 [5.0062e+00, 3.4156e-03, 2.5423e-01],  
 [1.2479e+01, 4.2458e-03, 3.9272e-01],  
 [1.1969e+01, 8.2656e-02, 8.4590e-01],  
 [2.8604e+00, 1.2676e-04, 2.3160e-01],  
 [3.2989e+01, 9.3335e-02, 1.4476e+00],  
 [4.9891e+00, 6.6309e-03, 3.2455e-01],  
 [1.4580e-01, 6.0117e-07, 1.7377e-02],  
 [2.0183e+01, 5.6422e-02, 9.5045e-01],  
 [1.1792e+02, 2.3108e+00, 2.5780e+00],  
 [1.3766e+02, 6.8110e-02, 2.6324e+00],  
 [1.2961e+00, 3.2261e-05, 7.0027e-02],  
 [3.1186e+01, 2.0722e-01, 8.6270e-01],  
 [2.8102e+00, 3.2360e-03, 2.2934e-01],  
 [1.1350e+01, 8.2070e-02, 9.9759e-01],  
 [1.3176e-03, 1.3123e-09, 2.1310e-04],  
 [2.0810e+01, 4.9885e-02, 7.1034e-01],  
 [2.5822e+01, 7.0827e-02, 1.5523e+00],  
 [4.6729e-02, 2.3294e-06, 6.9116e-03],  
 [2.5804e+01, 3.8297e-01, 1.9254e+00],  
 [5.0445e+01, 1.1569e+00, 3.0928e+00],  
 [1.1063e+01, 2.3341e-02, 5.0178e-01],  
 [3.1409e+01, 5.6046e-02, 1.1351e+00],  
 [1.4481e+02, 2.2242e+00, 2.9458e+00],  
 [6.2424e+00, 5.5574e-03, 4.5780e-01],  
 [9.9537e-01, 2.4630e-04, 9.0268e-02],  
 [3.6977e-01, 2.0897e-04, 4.9625e-02],  
 [3.6954e+00, 1.6315e-02, 3.5622e-01],  
 [3.8357e-01, 2.1014e-06, 3.1423e-02],  
 [2.7319e+01, 1.1066e-01, 1.1628e+00],  
 [8.1411e+00, 1.1963e-02, 5.3959e-01],  
 [3.9127e-01, 2.9325e-05, 2.9907e-02],  
 [4.1005e-01, 5.0401e-05, 4.5736e-02],  
 [8.9023e+01, 1.2440e+00, 2.8295e+00],  
 [1.7463e+01, 1.4342e-01, 1.1056e+00],  
 [7.6916e+01, 4.8055e-01, 3.1830e+00],  
 [9.3413e+00, 1.6938e-02, 4.9383e-01],  
 [1.3822e-01, 8.6145e-06, 1.5038e-02],

[1.2896e+02, 3.0624e-01, 3.1715e+00],  
[2.5742e+00, 2.4120e-04, 1.8569e-01],  
[7.3909e+01, 2.1062e-01, 2.2062e+00],  
[1.6777e+02, 3.0884e-01, 4.1703e+00],  
[6.9663e+00, 2.0382e-02, 3.7452e-01],  
[2.4829e+00, 4.3979e-03, 2.3664e-01],  
[4.4910e-02, 1.3812e-06, 5.8987e-03],  
[1.1493e-02, 1.6634e-07, 1.7436e-03],  
[3.8143e+00, 4.6924e-04, 2.0198e-01],  
[2.3590e+01, 4.3839e-02, 1.6071e+00],  
[6.8927e+01, 5.8424e-01, 1.6265e+00],  
[3.3073e+00, 4.2568e-03, 3.1954e-01],  
[1.0458e+00, 5.5162e-04, 8.8268e-02],  
[3.9250e-03, 9.9635e-09, 6.3531e-04],  
[4.0457e-03, 6.5592e-09, 6.4924e-04],  
[9.3029e-02, 3.2720e-07, 1.1152e-02],  
[2.5629e+00, 2.1338e-03, 2.8653e-01],  
[3.3020e+00, 1.0384e-03, 2.2093e-01],  
[2.1355e-01, 6.9748e-06, 2.6473e-02],  
[9.3342e+00, 1.5156e-02, 4.0107e-01],  
[1.0777e+01, 5.9870e-03, 8.2966e-01],  
[1.6084e-01, 3.7961e-06, 2.0265e-02],  
[3.2679e-02, 5.8794e-07, 4.9507e-03],  
[3.1413e+00, 2.2094e-03, 1.9101e-01],  
[7.6609e+00, 1.2179e-02, 4.1568e-01],  
[1.8805e+01, 7.8639e-02, 1.2368e+00],  
[9.8637e+00, 4.4604e-02, 5.5344e-01],  
[4.3714e-01, 1.1942e-04, 4.6934e-02],  
[2.0237e+01, 1.2150e-02, 5.6951e-01],  
[1.4626e+00, 8.1257e-05, 1.4991e-01],  
[3.9163e+00, 4.0219e-03, 3.7415e-01],  
[1.8761e+01, 1.1479e-01, 7.9569e-01],  
[5.2672e+01, 1.3877e-01, 2.8943e+00],  
[3.9040e+00, 2.3565e-03, 2.4683e-01],  
[8.4813e-01, 8.5407e-05, 5.1726e-02],  
[5.8118e+01, 1.2962e+00, 2.1405e+00],  
[7.1986e+01, 7.5360e-01, 1.7202e+00],  
[1.0965e+02, 1.8405e-01, 2.2252e+00],  
[4.0883e-02, 1.9422e-06, 6.1293e-03],  
[1.0874e+02, 1.1011e+00, 2.0397e+00],  
[7.9242e+01, 2.8499e-01, 3.3685e+00],  
[3.6986e+01, 5.8559e-01, 2.7636e+00],  
[6.8999e-02, 5.4073e-07, 9.5126e-03],  
[5.2290e-01, 1.9250e-04, 7.6156e-02],  
[2.6943e-01, 2.6364e-06, 3.1297e-02],  
[1.5433e+01, 2.0603e-02, 1.0188e+00],  
[1.0700e+01, 1.0643e-02, 5.5236e-01],  
[2.0076e+02, 2.9205e+00, 3.8175e+00],

[2.5851e-01, 6.7444e-06, 3.3345e-02],  
 [1.3206e+00, 1.1987e-03, 1.6769e-01],  
 [1.0321e+02, 1.7943e-01, 3.4044e+00],  
 [1.3334e+02, 2.2766e+00, 3.8879e+00],  
 [1.0159e+01, 1.2017e-02, 8.5669e-01],  
 [1.2187e+00, 3.6467e-04, 1.2020e-01],  
 [4.0773e+01, 6.9127e-02, 2.7662e+00],  
 [1.3112e+02, 1.8301e+00, 4.5907e+00],  
 [8.3848e+01, 1.5784e+00, 2.3749e+00],  
 [4.4069e-01, 4.6792e-05, 3.5805e-02],  
 [6.2615e+00, 1.0817e-02, 3.1911e-01],  
 [7.2899e+01, 1.6941e+00, 3.5971e+00],  
 [5.5574e+00, 9.5001e-03, 4.0004e-01],  
 [1.7835e+01, 9.6992e-02, 7.3353e-01],  
 [2.0095e+01, 4.6187e-02, 8.4755e-01],  
 [5.9048e-01, 3.7631e-04, 7.1190e-02],  
 [1.2522e+00, 3.4805e-04, 1.1762e-01],  
 [4.8917e-01, 1.2018e-05, 5.1413e-02],  
 [1.1518e-03, 5.9402e-10, 1.8522e-04],  
 [6.8903e-01, 5.7933e-05, 6.3365e-02],  
 [1.8160e+00, 7.2790e-04, 1.0803e-01],  
 [1.0356e-01, 3.7626e-06, 1.2795e-02],  
 [7.0812e+01, 1.4942e+00, 1.9379e+00],  
 [8.1491e-01, 2.7023e-04, 7.7243e-02],  
 [1.2662e-01, 1.0526e-05, 1.3739e-02],  
 [6.1071e+01, 8.3322e-01, 1.8555e+00],  
 [2.2185e+01, 7.9792e-03, 7.9078e-01],  
 [2.6351e+00, 3.4542e-03, 2.2431e-01],  
 [1.2466e+02, 3.7631e+00, 4.2115e+00],  
 [6.7818e+00, 1.1496e-02, 3.6953e-01],  
 [5.2204e-03, 2.2271e-08, 8.0505e-04],  
 [4.2050e-02, 2.8417e-06, 6.0907e-03],  
 [4.5305e-02, 9.8860e-07, 6.2132e-03],  
 [3.3936e+00, 1.0903e-03, 3.0990e-01],  
 [1.2070e+02, 2.2140e+00, 3.2615e+00],  
 [4.9757e+01, 3.2993e-01, 1.7473e+00],  
 [1.4683e-03, 1.0581e-09, 2.3511e-04],  
 [5.2328e-02, 5.1964e-07, 6.9646e-03],  
 [2.7164e-03, 2.8218e-09, 4.2867e-04],  
 [7.6283e+01, 1.2008e-01, 2.0448e+00],  
 [9.0649e+00, 2.5483e-03, 6.5927e-01],  
 [8.4691e-01, 1.0452e-05, 7.4606e-02],  
 [5.5776e-01, 3.9248e-05, 6.1692e-02],  
 [1.5219e-01, 6.1086e-06, 1.6284e-02],  
 [3.3159e+00, 3.2910e-03, 3.5315e-01],  
 [9.5604e-01, 3.4284e-04, 7.9798e-02],  
 [1.0076e+00, 1.6302e-04, 7.7841e-02],  
 [7.6551e-03, 4.2625e-09, 1.1813e-03],

[5.8590e-01, 5.1576e-05, 5.6434e-02],  
 [2.6472e+01, 3.1519e-02, 1.9175e+00],  
 [1.5719e+02, 3.9724e-01, 3.1607e+00],  
 [2.9900e+01, 7.1882e-02, 8.6325e-01],  
 [5.0800e+00, 9.4026e-03, 2.6978e-01],  
 [1.8193e+00, 9.1939e-05, 2.0213e-01],  
 [5.9254e+01, 6.6942e-01, 1.7115e+00],  
 [7.9544e+01, 1.1552e+00, 1.9984e+00],  
 [8.2079e+01, 7.7423e-01, 2.0482e+00],  
 [7.0456e-01, 1.6455e-04, 7.7104e-02],  
 [2.1079e+02, 2.9210e+00, 3.7052e+00],  
 [2.7341e-01, 9.7020e-06, 2.6235e-02],  
 [9.8648e+00, 9.2464e-02, 1.0486e+00],  
 [1.4739e+01, 2.2490e-02, 1.0893e+00],  
 [2.3228e+00, 6.1450e-04, 1.1836e-01],  
 [5.3121e-02, 2.3006e-06, 8.0254e-03],  
 [2.4253e+02, 4.0800e+00, 5.0768e+00],  
 [7.7967e+00, 1.8079e-02, 4.3230e-01],  
 [4.4381e-01, 1.3999e-05, 4.8923e-02],  
 [3.3386e-01, 3.9909e-05, 4.0058e-02],  
 [1.2462e+00, 2.4552e-04, 9.3427e-02],  
 [8.8366e+00, 5.8563e-03, 4.2499e-01],  
 [4.4370e+00, 1.4334e-03, 5.3130e-01],  
 [1.7713e+00, 4.9141e-04, 1.0297e-01],  
 [1.1609e+02, 8.6616e-01, 3.1342e+00],  
 [2.0374e+02, 1.4139e+00, 3.7903e+00],  
 [6.6310e-01, 4.8171e-05, 5.9394e-02],  
 [5.9779e+00, 9.1690e-03, 3.8119e-01],  
 [6.6196e+00, 9.5492e-03, 3.7408e-01],  
 [6.4554e+01, 5.8491e-01, 2.1419e+00],  
 [9.8699e-02, 1.2817e-06, 1.1701e-02],  
 [4.9347e+00, 1.4807e-02, 6.1320e-01],  
 [4.4502e-01, 7.9241e-05, 4.4521e-02],  
 [3.9276e+01, 6.4582e-02, 1.5273e+00],  
 [1.9319e+01, 1.8607e-01, 1.7316e+00],  
 [9.5506e+01, 9.6029e-01, 2.1323e+00],  
 [1.3996e+00, 1.1621e-03, 1.5075e-01],  
 [8.0731e-01, 5.4005e-05, 9.1845e-02],  
 [1.8127e+01, 3.5055e-02, 9.7220e-01],  
 [9.7163e+01, 1.4564e+00, 2.7113e+00],  
 [4.0930e+01, 1.1130e-02, 1.4255e+00],  
 [4.8207e+01, 2.7572e-01, 1.9586e+00],  
 [8.9437e-01, 1.3345e-04, 6.7936e-02],  
 [2.0556e-01, 1.0449e-05, 2.5040e-02],  
 [6.7950e-04, 1.1846e-10, 1.1099e-04],  
 [1.3973e+00, 2.6089e-04, 1.0153e-01],  
 [1.5843e-01, 8.8758e-06, 1.7821e-02],  
 [9.8202e+01, 4.0195e-01, 2.7765e+00],

[9.8428e+01, 1.6901e+00, 2.8945e+00],  
 [4.7535e+01, 1.2898e-01, 1.8321e+00],  
 [4.3919e-02, 2.9434e-07, 5.9946e-03],  
 [2.0995e+00, 7.4225e-04, 2.0126e-01],  
 [1.4802e+01, 6.4709e-02, 8.7237e-01],  
 [3.9327e+01, 5.9391e-01, 1.9912e+00],  
 [1.4137e+00, 1.3710e-03, 1.5972e-01],  
 [3.6059e+01, 1.8275e-01, 1.8861e+00],  
 [2.2850e+00, 1.1757e-03, 1.9765e-01],  
 [8.8006e+01, 1.5052e+00, 2.4132e+00],  
 [2.5633e+00, 2.2798e-03, 2.4788e-01],  
 [4.2865e+01, 4.8298e-03, 1.2640e+00],  
 [3.8213e+00, 1.9877e-03, 3.9159e-01],  
 [1.6864e+01, 4.4278e-02, 8.2273e-01],  
 [1.4259e+00, 8.9705e-04, 1.3652e-01],  
 [8.9191e-02, 1.2414e-05, 1.2551e-02],  
 [1.0741e+00, 2.7815e-04, 1.2412e-01],  
 [6.2934e-01, 8.0913e-05, 6.1940e-02],  
 [2.6583e-01, 3.7228e-05, 2.7332e-02],  
 [6.2663e-01, 8.9172e-05, 4.8279e-02],  
 [3.8850e-01, 1.7300e-05, 3.4908e-02],  
 [6.0462e+00, 1.4724e-02, 3.3488e-01],  
 [2.0185e-02, 2.0553e-07, 2.8892e-03],  
 [1.6518e+02, 2.1663e+00, 2.6044e+00],  
 [7.0861e+01, 2.5432e-01, 2.6215e+00],  
 [3.4686e-02, 1.4923e-06, 5.3218e-03],  
 [1.9308e-02, 5.0964e-07, 2.9015e-03],  
 [6.1317e-02, 8.2194e-07, 7.9057e-03],  
 [7.8151e-03, 6.1003e-08, 1.1944e-03],  
 [2.5080e+00, 1.9992e-03, 2.0099e-01],  
 [8.2300e+00, 2.1246e-03, 4.6264e-01],  
 [2.0121e-01, 1.9834e-05, 2.9834e-02],  
 [2.6333e+01, 1.6427e-01, 9.8618e-01],  
 [4.1232e+00, 3.4898e-03, 2.6362e-01],  
 [7.4118e+00, 1.2178e-02, 5.1874e-01],  
 [4.5484e+01, 2.9809e-01, 1.3592e+00],  
 [4.1558e+01, 3.6711e-01, 2.1094e+00],  
 [2.6560e+00, 1.4320e-03, 2.5331e-01],  
 [2.1660e-01, 9.6726e-06, 2.8276e-02],  
 [2.8311e+01, 8.4088e-02, 9.6869e-01],  
 [1.3874e+02, 7.5876e-01, 3.7129e+00],  
 [9.3805e-01, 8.9636e-04, 1.1322e-01],  
 [2.8460e+00, 2.5120e-03, 2.6160e-01],  
 [2.9271e-01, 1.6469e-05, 4.5715e-02],  
 [1.3965e+00, 3.3665e-04, 1.5333e-01],  
 [1.8364e-01, 4.3466e-06, 2.3926e-02],  
 [2.5231e+00, 1.2172e-03, 1.4160e-01],  
 [6.4697e-01, 2.5513e-05, 8.1759e-02],



[8.4054e+00, 4.2323e-02, 6.9535e-01],  
 [6.8327e-01, 1.0137e-04, 6.5334e-02],  
 [1.8652e+01, 5.8000e-02, 8.2973e-01],  
 [2.0623e+00, 4.8661e-05, 1.3233e-01],  
 [9.8972e+01, 3.0883e-02, 2.5218e+00],  
 [1.0449e+01, 2.3583e-02, 5.1997e-01],  
 [4.2757e-01, 9.7986e-05, 4.0968e-02],  
 [3.3722e+01, 4.8641e-02, 1.6617e+00],  
 [5.1643e-02, 5.7117e-07, 7.6989e-03],  
 [7.5043e+01, 3.1062e-01, 2.5970e+00],  
 [1.3796e+01, 5.0770e-03, 8.2460e-01],  
 [1.4183e+01, 7.7663e-03, 7.0807e-01],  
 [2.0527e+01, 1.0863e-01, 8.5349e-01],  
 [5.3037e-02, 2.1689e-07, 7.1018e-03],  
 [7.8757e+00, 6.5729e-03, 5.8154e-01],  
 [1.0057e-01, 1.1787e-05, 1.3070e-02],  
 [4.4664e-01, 3.4089e-05, 5.1694e-02],  
 [1.4236e-02, 1.7078e-07, 2.1459e-03],  
 [4.8684e+01, 4.2070e-01, 1.6841e+00],  
 [5.7326e+01, 2.3478e-01, 1.2922e+00],  
 [4.1104e+01, 5.7728e-01, 2.0066e+00],  
 [5.7357e+01, 2.0852e-01, 1.8300e+00],  
 [2.7851e+00, 1.8720e-03, 1.7357e-01],  
 [8.8981e+01, 1.8404e+00, 2.4065e+00],  
 [3.2791e+01, 3.4196e-02, 9.8622e-01],  
 [5.9895e+01, 2.1818e-01, 2.7532e+00],  
 [3.9329e-01, 5.3341e-05, 4.6869e-02],  
 [3.6990e+01, 2.5553e-01, 1.2115e+00],  
 [3.7343e+00, 6.5926e-03, 3.1910e-01],  
 [5.1417e+01, 9.2079e-01, 1.8651e+00],  
 [3.4641e-01, 1.0084e-04, 3.8806e-02],  
 [4.1584e+01, 3.9047e-02, 2.1739e+00],  
 [1.2240e+01, 3.0470e-02, 5.8220e-01],  
 [1.0342e+02, 7.1131e-01, 3.0860e+00],  
 [1.7423e+02, 1.2372e+00, 4.6233e+00],  
 [8.8262e-01, 2.6437e-04, 8.2153e-02],  
 [1.8103e-01, 1.5313e-05, 1.9427e-02],  
 [2.0021e+00, 1.1150e-03, 2.1172e-01],  
 [3.3057e-02, 3.7504e-07, 4.7861e-03],  
 [3.8914e+01, 5.5410e-01, 1.3220e+00],  
 [9.1016e-02, 9.9025e-06, 1.2771e-02],  
 [7.4692e-03, 2.1962e-08, 1.1754e-03],  
 [1.7669e+02, 5.3787e+00, 3.8573e+00],  
 [3.8952e-02, 1.9619e-07, 5.9760e-03],  
 [5.0674e-02, 6.6882e-07, 7.6200e-03],  
 [1.1253e+01, 1.7076e-02, 6.7258e-01],  
 [2.7311e-02, 3.3543e-07, 4.0880e-03],  
 [1.2223e+01, 3.8891e-02, 5.4887e-01],

```

[8.3894e-02, 2.6821e-07, 1.1073e-02],
[9.1816e-02, 1.7109e-06, 1.3633e-02],
[6.9035e-01, 2.1618e-04, 9.0797e-02],
[1.0162e-02, 1.7119e-08, 1.5478e-03],
[2.4313e+01, 1.5827e-01, 1.2437e+00],
[2.9335e-01, 3.0972e-05, 2.7772e-02],
[1.4696e+02, 5.1688e+00, 3.2928e+00],
[1.1017e+01, 3.8289e-02, 5.7036e-01],
[4.9622e-02, 1.0989e-06, 6.8510e-03],
[5.9770e+01, 4.3883e-01, 1.3395e+00],
[1.0129e+02, 1.8402e+00, 2.6767e+00],
[2.8844e+01, 2.9481e-01, 2.0114e+00],
[9.5537e+01, 2.0162e+00, 2.0547e+00],
[3.9771e-01, 3.4703e-06, 2.9885e-02],
[3.2215e+01, 1.0793e-01, 9.2396e-01],
[9.0623e-02, 1.3004e-06, 1.0671e-02],
[2.5194e+01, 6.6343e-02, 1.0817e+00],
[9.8131e+00, 1.0450e-01, 9.9929e-01],
[1.6213e+01, 7.3707e-03, 6.4369e-01],
[6.1369e+00, 8.7554e-03, 2.8177e-01]], dtype=torch.float64)
Iteration: 115
Inputs: tensor([[7.1880e+20, 1.1196e+02, 1.1867e+01, 8.1448e+00],
               [1.4225e+18, 3.5205e+02, 7.3919e+00, 1.5521e+00],
               [8.9456e+20, 4.0614e+02, 1.4261e+01, 8.1627e+00],
               ...,
               [3.7350e+18, 3.6290e+02, 1.0239e+01, 7.0224e+00],
               [3.9844e+19, 9.0909e+01, 6.7161e+00, 1.4468e+00],
               [1.3595e+20, 4.2926e+02, 1.0505e+01, 1.5910e+00]], dtype=torch.float64)
Target: tensor([[7.4980e+01, 1.4864e+00, 3.5062e+00],
               [5.8729e-02, 2.2249e-07, 7.7019e-03],
               [2.1313e+02, 8.7951e+00, 4.7738e+00],
               [3.6349e+01, 1.4616e-01, 2.1931e+00],
               [1.5065e+00, 3.8195e-04, 1.5682e-01],
               [4.2735e+01, 2.9641e-02, 2.4273e+00],
               [3.1790e-01, 4.9806e-05, 3.5962e-02],
               [1.5822e+02, 4.0394e+00, 3.3275e+00],
               [3.5422e+01, 4.2472e-01, 1.5015e+00],
               [1.9565e+02, 5.1305e+00, 4.2322e+00],
               [1.8887e+00, 3.2678e-03, 2.1155e-01],
               [1.4680e+01, 2.9984e-02, 1.0167e+00],
               [3.9099e+00, 5.3170e-03, 2.2755e-01],
               [5.8645e+01, 2.6597e-01, 1.6396e+00],
               [1.2390e+00, 1.5499e-04, 6.4586e-02],
               [1.7795e+02, 5.3508e-01, 4.5328e+00],
               [8.3273e+01, 1.1469e+00, 3.4161e+00],
               [4.0278e-04, 3.0990e-11, 6.5862e-05],
               [7.6514e+01, 3.7152e-01, 1.7073e+00],
               [1.7344e+01, 3.9398e-02, 6.3915e-01],

```

[2.8846e+01, 2.7596e-02, 7.9223e-01],  
 [2.1038e-01, 2.5691e-05, 2.8442e-02],  
 [8.8418e+01, 1.3706e+00, 3.5284e+00],  
 [4.1567e+00, 3.6436e-03, 2.4886e-01],  
 [8.7645e-02, 8.4619e-07, 1.2283e-02],  
 [3.0520e+01, 2.7630e-01, 1.2778e+00],  
 [1.4442e-02, 1.8033e-07, 2.1222e-03],  
 [1.9488e+02, 1.4885e+00, 3.4070e+00],  
 [1.2831e-01, 2.5903e-06, 1.6997e-02],  
 [5.7707e-03, 2.9900e-08, 8.9446e-04],  
 [4.5790e+01, 2.2362e-01, 1.4145e+00],  
 [3.7313e+01, 2.3940e-01, 1.1331e+00],  
 [1.0244e-01, 7.3394e-06, 1.2638e-02],  
 [1.3424e+02, 9.8010e-01, 2.7264e+00],  
 [1.2933e+02, 2.2960e+00, 4.1154e+00],  
 [4.7143e+01, 2.9633e-01, 1.8947e+00],  
 [1.9932e-01, 5.6314e-06, 2.6035e-02],  
 [1.0612e+02, 1.2196e+00, 3.1941e+00],  
 [1.6018e-02, 3.4583e-07, 2.4385e-03],  
 [1.9605e+01, 1.4742e-01, 1.8397e+00],  
 [3.9444e+01, 2.2209e-01, 1.9060e+00],  
 [1.3193e-01, 3.6724e-06, 1.6680e-02],  
 [3.2714e-01, 6.2703e-05, 3.7035e-02],  
 [1.6582e+00, 8.4429e-04, 1.7235e-01],  
 [1.4629e-01, 3.8741e-06, 1.7796e-02],  
 [2.3409e+01, 1.9386e-01, 1.0790e+00],  
 [8.3943e+01, 3.4015e-01, 1.9767e+00],  
 [2.3142e-01, 3.8145e-05, 2.5761e-02],  
 [3.9800e+00, 2.0016e-03, 4.8664e-01],  
 [3.5268e-03, 2.8850e-09, 5.5335e-04],  
 [3.1853e+02, 3.8281e+00, 5.1848e+00],  
 [1.0281e+01, 1.6025e-02, 5.5881e-01],  
 [1.1267e+01, 2.6810e-02, 5.6433e-01],  
 [1.9914e+00, 4.9106e-04, 1.9106e-01],  
 [2.3456e+01, 7.4690e-02, 1.1725e+00],  
 [9.0544e+00, 6.4883e-03, 3.2968e-01],  
 [2.2758e+01, 4.0758e-02, 1.0841e+00],  
 [3.8397e+00, 2.4937e-03, 3.4096e-01],  
 [1.2243e+02, 3.5200e+00, 3.8212e+00],  
 [1.5551e+00, 2.2241e-04, 1.4410e-01],  
 [7.5196e+00, 2.6760e-02, 5.4313e-01],  
 [5.0222e-01, 1.2446e-04, 6.6871e-02],  
 [1.7524e+01, 1.8019e-01, 1.0862e+00],  
 [3.4598e+01, 2.2695e-01, 1.2782e+00],  
 [9.5352e-02, 9.3530e-07, 1.2947e-02],  
 [4.6604e+01, 3.0001e-01, 1.7776e+00],  
 [1.0557e+01, 2.2331e-02, 6.7306e-01],  
 [8.1160e+01, 5.0640e-01, 3.9936e+00],

[2.5961e+01, 1.4005e-01, 7.2189e-01],  
 [1.4051e-01, 9.9886e-06, 1.5173e-02],  
 [2.6806e+01, 5.9709e-02, 1.7604e+00],  
 [1.7293e+01, 4.5070e-02, 6.6665e-01],  
 [3.2406e-01, 1.7010e-05, 3.5917e-02],  
 [1.9350e-01, 7.7291e-06, 2.5929e-02],  
 [1.3438e-01, 4.3845e-07, 1.5507e-02],  
 [3.0097e+00, 4.2193e-03, 2.7332e-01],  
 [7.6168e-01, 1.1793e-04, 1.0102e-01],  
 [7.9209e+01, 4.6926e-01, 2.4788e+00],  
 [1.9944e-02, 3.5097e-07, 2.9613e-03],  
 [2.9805e+00, 5.7512e-03, 2.4392e-01],  
 [7.8746e+00, 1.1621e-02, 7.1138e-01],  
 [2.5689e+00, 2.1098e-03, 1.5765e-01],  
 [2.7896e+00, 1.3526e-03, 2.3256e-01],  
 [3.6161e+00, 2.5783e-03, 1.8562e-01],  
 [5.5213e-03, 5.6417e-09, 8.5274e-04],  
 [2.7642e+01, 1.7315e-01, 1.0574e+00],  
 [8.4076e+00, 1.9536e-02, 4.0065e-01],  
 [1.1443e-01, 1.4643e-05, 1.5629e-02],  
 [9.9085e-01, 3.0868e-04, 9.0182e-02],  
 [4.1833e+01, 4.7254e-01, 1.4241e+00],  
 [2.3052e-01, 3.2603e-05, 3.0525e-02],  
 [7.1172e+01, 1.5623e-01, 3.2411e+00],  
 [1.6358e+00, 3.5157e-04, 1.2247e-01],  
 [8.2933e+01, 1.4044e+00, 2.6083e+00],  
 [1.1751e+02, 5.1066e-01, 3.5289e+00],  
 [6.9673e+00, 4.0531e-03, 4.3728e-01],  
 [6.8301e+01, 3.3145e-01, 2.5518e+00],  
 [5.8686e+01, 4.8865e-01, 2.5337e+00],  
 [3.6301e+00, 6.0359e-04, 2.7939e-01],  
 [6.9270e+01, 2.5424e-01, 3.7552e+00],  
 [5.7526e+00, 5.7041e-03, 2.7732e-01],  
 [2.7197e+00, 9.5596e-04, 2.3294e-01],  
 [1.6466e+00, 1.0574e-03, 1.4450e-01],  
 [1.5234e-01, 7.3443e-06, 1.8850e-02],  
 [2.8973e+01, 2.1251e-01, 1.9791e+00],  
 [6.3240e-01, 2.2653e-04, 7.3240e-02],  
 [1.1450e+02, 2.3767e+00, 2.6715e+00],  
 [1.5469e+00, 3.3761e-04, 1.5385e-01],  
 [5.2920e+01, 5.2195e-01, 1.2343e+00],  
 [4.3779e-01, 1.8342e-05, 4.3486e-02],  
 [2.7984e+00, 1.3092e-03, 1.3950e-01],  
 [5.7733e+01, 4.7922e-01, 1.3978e+00],  
 [6.8489e-01, 1.4281e-05, 7.4996e-02],  
 [1.2564e+00, 4.0022e-04, 1.2703e-01],  
 [9.3962e-02, 8.2383e-06, 1.1683e-02],  
 [6.4697e+00, 4.5092e-03, 2.6196e-01],

[8.1968e+01, 4.5577e-01, 2.2815e+00],  
[7.8800e-01, 1.8457e-04, 9.0334e-02],  
[8.6031e+01, 9.8097e-01, 2.6711e+00],  
[3.6953e+01, 8.2079e-02, 2.5140e+00],  
[1.2092e+01, 2.6897e-02, 4.4942e-01],  
[3.6255e+00, 1.2627e-03, 2.9889e-01],  
[1.9386e+00, 6.0677e-04, 1.4121e-01],  
[1.6513e+00, 2.3273e-03, 1.6347e-01],  
[1.0319e+00, 4.0488e-04, 1.1144e-01],  
[7.3202e-02, 2.8014e-06, 9.3563e-03],  
[6.3678e-01, 1.3033e-04, 6.4296e-02],  
[1.5536e-01, 1.1036e-05, 1.7716e-02],  
[4.8199e+01, 4.6088e-02, 1.9113e+00],  
[2.5935e+00, 7.4603e-04, 2.1849e-01],  
[2.3599e+00, 6.5088e-04, 1.8210e-01],  
[1.2845e+01, 8.4777e-03, 1.0344e+00],  
[1.0486e+00, 1.6849e-04, 1.3490e-01],  
[2.5091e+00, 1.9867e-03, 2.7398e-01],  
[1.1010e+00, 7.4429e-05, 7.8101e-02],  
[5.0532e+01, 2.3069e-02, 2.2876e+00],  
[8.5650e-01, 3.2540e-04, 1.0889e-01],  
[1.1520e+02, 1.0598e-01, 2.5108e+00],  
[4.9171e+01, 1.8986e-01, 2.0055e+00],  
[2.7327e+00, 2.5904e-03, 2.6891e-01],  
[2.7019e+01, 2.4527e-01, 1.2973e+00],  
[5.3019e-01, 4.4007e-05, 5.2461e-02],  
[1.0741e+00, 1.8094e-05, 9.2776e-02],  
[1.0417e+00, 1.0373e-04, 1.0652e-01],  
[6.7157e-01, 1.6085e-04, 5.6556e-02],  
[9.4872e-01, 7.0898e-04, 9.8973e-02],  
[1.6247e+02, 4.0015e+00, 3.4634e+00],  
[7.1520e+01, 6.8083e-01, 1.9570e+00],  
[9.2680e-01, 7.3280e-05, 1.1668e-01],  
[1.2284e+00, 3.3248e-04, 9.3590e-02],  
[9.4138e-02, 7.6029e-07, 1.1916e-02],  
[7.0291e-01, 1.6953e-04, 5.9652e-02],  
[1.6093e+00, 8.9881e-04, 1.3533e-01],  
[7.4725e+01, 8.8943e-01, 2.8057e+00],  
[3.9975e+00, 7.5631e-03, 3.4147e-01],  
[3.0989e+01, 1.1012e-01, 1.1533e+00],  
[2.9822e-01, 9.9693e-06, 2.7488e-02],  
[2.3845e+00, 9.1660e-04, 2.7265e-01],  
[2.7080e+01, 2.5959e-01, 1.2211e+00],  
[9.5691e-01, 5.7929e-05, 1.0026e-01],  
[1.9821e+01, 3.1679e-02, 1.0176e+00],  
[4.8516e+00, 1.7782e-03, 2.7378e-01],  
[3.9373e+01, 3.7049e-01, 1.0877e+00],  
[1.7614e+00, 7.5282e-04, 1.7012e-01],

[1.0188e+01, 2.2177e-02, 3.9191e-01],  
 [1.1806e+01, 9.2039e-03, 1.1810e+00],  
 [4.0316e-02, 1.0133e-06, 5.4373e-03],  
 [8.7200e+00, 2.8000e-02, 4.6943e-01],  
 [2.9109e+01, 5.3208e-02, 1.8553e+00],  
 [1.9362e+02, 3.3574e+00, 4.8088e+00],  
 [1.7592e+01, 5.3122e-02, 6.8388e-01],  
 [2.5700e+00, 1.4332e-03, 1.5503e-01],  
 [1.3139e+02, 3.3970e+00, 3.0922e+00],  
 [5.9759e+01, 4.6975e-01, 2.1542e+00],  
 [1.4592e+01, 5.6528e-02, 9.0543e-01],  
 [1.0260e+01, 7.1968e-02, 1.0919e+00],  
 [2.7330e+01, 1.4306e-01, 1.4389e+00],  
 [8.1575e+00, 1.0541e-03, 3.0442e-01],  
 [4.0785e+01, 4.7281e-02, 9.9126e-01],  
 [3.2567e+00, 1.1138e-03, 2.0312e-01],  
 [1.7446e+01, 3.8523e-02, 1.0669e+00],  
 [1.4520e+02, 7.3182e-01, 3.8886e+00],  
 [3.1250e+01, 2.1954e-01, 1.2701e+00],  
 [2.2000e-01, 1.0262e-05, 2.1353e-02],  
 [3.5321e+00, 2.0252e-03, 2.6169e-01],  
 [3.0579e+01, 3.0241e-01, 1.0859e+00],  
 [1.3964e+02, 2.2135e+00, 3.2410e+00],  
 [9.0705e-02, 3.0951e-06, 1.0649e-02],  
 [9.4756e+00, 1.0747e-02, 6.1652e-01],  
 [2.3546e+01, 1.1439e-01, 1.5965e+00],  
 [1.2080e+01, 1.5340e-02, 1.0643e+00],  
 [7.5724e+00, 1.9577e-02, 5.2346e-01],  
 [3.7619e+00, 8.6945e-03, 3.3040e-01],  
 [6.0251e+01, 4.2665e-01, 1.7205e+00],  
 [2.6775e-01, 4.3792e-06, 3.2858e-02],  
 [5.2567e+00, 3.1318e-03, 2.8346e-01],  
 [6.1053e-03, 5.5934e-09, 9.4558e-04],  
 [1.9999e-01, 4.0476e-05, 2.5133e-02],  
 [3.2439e+01, 9.8496e-02, 1.5920e+00],  
 [1.9600e+01, 7.3567e-02, 8.4677e-01],  
 [1.0045e+02, 8.4545e-01, 2.9927e+00],  
 [2.1678e+02, 1.7672e+00, 4.1281e+00],  
 [5.8589e+01, 3.0968e-01, 1.3440e+00],  
 [3.7166e+01, 4.6331e-01, 1.1353e+00],  
 [8.3265e+01, 1.5806e-01, 3.7723e+00],  
 [7.0503e+00, 2.0900e-02, 4.8454e-01],  
 [3.5372e+01, 1.7248e-01, 8.7850e-01],  
 [6.7454e+00, 2.6767e-02, 7.1906e-01],  
 [7.7134e+00, 7.0658e-03, 3.3842e-01],  
 [8.4616e-01, 1.0753e-04, 6.2838e-02],  
 [5.4288e+01, 5.5522e-02, 2.0433e+00],  
 [6.0334e+00, 4.2915e-03, 2.2378e-01],

[1.8557e+00, 5.1958e-04, 1.2244e-01],  
[1.4530e+01, 2.7010e-02, 6.9215e-01],  
[1.8404e+00, 8.2568e-04, 1.9915e-01],  
[9.7072e-01, 1.0324e-04, 6.9988e-02],  
[8.7909e-02, 3.0372e-06, 1.0798e-02],  
[3.7270e-03, 2.1913e-08, 5.8280e-04],  
[3.3142e+00, 1.0733e-03, 2.7059e-01],  
[1.9538e+02, 2.6885e+00, 3.7655e+00],  
[3.1699e+01, 1.7732e-01, 1.3661e+00],  
[4.3675e-02, 4.1583e-07, 6.2518e-03],  
[3.4642e+00, 1.0814e-03, 3.9149e-01],  
[1.4206e+01, 9.6778e-03, 5.1560e-01],  
[1.5217e+02, 3.6699e+00, 3.5135e+00],  
[1.2596e+01, 4.1850e-03, 6.1157e-01],  
[5.6346e-01, 1.0453e-04, 4.7920e-02],  
[5.8358e+00, 6.7012e-03, 4.1298e-01],  
[2.0541e-03, 2.5101e-09, 3.3105e-04],  
[3.9075e-01, 5.4197e-05, 5.8817e-02],  
[1.2195e-01, 7.1354e-07, 1.3916e-02],  
[1.3679e+02, 1.7238e+00, 4.1811e+00],  
[1.4373e+02, 4.3722e-01, 2.7304e+00],  
[9.5162e+01, 9.6898e-01, 2.4673e+00],  
[2.2857e+01, 1.8348e-01, 1.2093e+00],  
[1.3525e-02, 3.1233e-08, 1.9934e-03],  
[7.0317e-02, 5.1818e-07, 1.0185e-02],  
[2.0336e+01, 4.4117e-02, 9.6733e-01],  
[3.0905e-01, 6.7595e-05, 4.2878e-02],  
[2.3692e+01, 1.3394e-01, 1.2728e+00],  
[8.2255e+01, 1.3631e+00, 2.5709e+00],  
[2.4339e-01, 1.7235e-05, 2.7520e-02],  
[1.1690e-01, 6.1874e-07, 1.6884e-02],  
[2.2046e+00, 1.8451e-03, 1.7044e-01],  
[1.4238e+00, 2.9072e-04, 1.0639e-01],  
[5.7673e+01, 1.0834e+00, 1.9645e+00],  
[1.8847e-03, 1.3120e-09, 3.0125e-04],  
[1.5344e+00, 4.2150e-04, 9.0335e-02],  
[1.2001e+01, 4.3494e-02, 7.9318e-01],  
[6.6769e+01, 4.6286e-01, 1.9817e+00],  
[2.5741e-02, 2.6829e-07, 3.6426e-03],  
[9.3015e+01, 9.3988e-02, 1.6438e+00],  
[2.8217e+02, 8.9522e+00, 4.6031e+00],  
[3.6603e-03, 1.5564e-08, 5.7269e-04],  
[2.0179e+01, 1.0310e-01, 7.5490e-01],  
[5.1326e+01, 1.5442e-01, 1.5794e+00],  
[1.3458e+01, 6.2827e-02, 5.5565e-01],  
[8.0599e+01, 3.7304e-01, 3.3755e+00],  
[1.3448e-01, 2.4941e-06, 1.5986e-02],  
[2.1455e+01, 1.2004e-02, 1.0183e+00],

[1.1685e+02, 2.2745e+00, 2.2128e+00],  
[9.3698e+01, 1.6943e+00, 2.5817e+00],  
[1.1851e+00, 4.7999e-04, 1.1822e-01],  
[6.8277e-02, 9.9894e-07, 9.3584e-03],  
[4.3324e+00, 1.0319e-02, 4.8511e-01],  
[3.7755e+00, 3.7790e-03, 2.4367e-01],  
[1.6981e+00, 2.6835e-03, 1.9900e-01],  
[8.4603e-01, 7.9850e-05, 8.2016e-02],  
[1.2570e-02, 3.1068e-08, 1.9154e-03],  
[3.4458e+01, 1.9431e-01, 1.0596e+00],  
[3.2632e+01, 1.5750e-01, 1.2039e+00],  
[3.5915e-01, 3.2419e-05, 4.2337e-02],  
[4.4100e+01, 5.8437e-01, 1.7769e+00],  
[4.6515e-01, 1.5324e-04, 4.9234e-02],  
[4.9410e+01, 5.2017e-01, 1.5444e+00],  
[2.8539e+01, 1.5908e-01, 1.4176e+00],  
[2.1810e+01, 1.0545e-01, 1.4494e+00],  
[1.0159e+01, 1.2444e-02, 4.2463e-01],  
[4.4034e+01, 1.6524e-01, 1.8375e+00],  
[2.4084e+01, 1.7142e-01, 1.6448e+00],  
[9.3178e+00, 2.6534e-02, 5.3071e-01],  
[1.7266e+02, 1.7064e-01, 3.4617e+00],  
[1.1336e+01, 4.3173e-02, 4.9904e-01],  
[1.3632e+02, 2.8122e+00, 2.7884e+00],  
[5.9344e+00, 4.5602e-03, 3.8276e-01],  
[1.1885e+02, 1.4910e-01, 4.3505e+00],  
[2.0189e-01, 1.1286e-05, 2.7293e-02],  
[8.0017e+01, 8.8016e-01, 1.5580e+00],  
[2.9858e+00, 3.1183e-03, 2.7557e-01],  
[1.9443e-03, 2.1006e-10, 3.1160e-04],  
[2.6828e-01, 1.5702e-05, 3.1526e-02],  
[3.1673e+00, 1.6409e-03, 2.6550e-01],  
[2.3936e-03, 9.0760e-10, 3.8258e-04],  
[4.3869e+00, 5.5504e-03, 4.0739e-01],  
[5.0222e-01, 1.3528e-04, 5.5740e-02],  
[1.6036e+02, 3.1509e+00, 4.7441e+00],  
[6.7219e+00, 7.1925e-03, 7.8511e-01],  
[2.3899e-01, 5.0266e-05, 3.3838e-02],  
[6.2518e+01, 2.9354e-01, 2.9299e+00],  
[1.2478e-03, 5.0395e-10, 2.0208e-04],  
[1.0076e+00, 1.8281e-04, 7.9238e-02],  
[2.9242e+02, 8.2370e+00, 4.9829e+00],  
[2.3661e-01, 5.2211e-06, 2.6122e-02],  
[1.0988e+02, 1.2019e+00, 3.6133e+00],  
[2.5428e+00, 1.7936e-03, 1.7891e-01],  
[2.8549e-01, 2.5357e-05, 3.4174e-02],  
[6.2282e+00, 1.1920e-02, 3.6089e-01],  
[2.6736e+01, 8.0235e-02, 6.7944e-01],



```

[2.6253e+01, 3.8804e-02, 1.3180e+00],
[2.1256e-01, 1.4697e-05, 2.3004e-02],
[2.0386e-02, 3.9496e-07, 3.0413e-03],
[1.1161e+01, 3.1678e-02, 5.2677e-01],
[4.5713e-01, 6.5579e-05, 4.4271e-02],
[7.5465e+00, 5.0498e-03, 4.8702e-01],
[5.3390e+01, 3.9581e-01, 1.0659e+00],
[1.9993e+00, 2.0086e-04, 1.4200e-01],
[1.1518e+01, 1.8572e-02, 5.0425e-01],
[1.1205e+00, 2.9552e-04, 8.6677e-02],
[1.2756e+00, 1.1276e-04, 1.5246e-01],
[2.6342e+01, 2.4763e-02, 1.3513e+00]], dtype=torch.float64)
Iteration: 116
Inputs: tensor([[4.8703e+20, 4.2501e+02, 4.5485e+00, 8.6200e+00],
[1.7955e+19, 3.5919e+02, 1.0141e+01, 2.6861e+00],
[2.2838e+20, 1.7777e+02, 7.4501e+00, 1.9490e+00],
...,
[1.1325e+20, 1.9201e+02, 1.7509e+01, 5.9265e+00],
[6.5929e+19, 1.9575e+02, 8.5832e+00, 5.6730e+00],
[4.7030e+18, 4.8514e+02, 1.9125e+01, 1.3394e+00]], dtype=torch.float64)
Target: tensor([[2.0189e+02, 4.8631e+00, 3.5347e+00],
[4.1836e+00, 1.3045e-03, 2.9979e-01],
[2.5041e+01, 2.5436e-02, 1.5637e+00],
[1.7884e+02, 1.2541e-01, 4.1317e+00],
[1.4688e+00, 5.4070e-04, 1.1095e-01],
[1.3188e+02, 3.9654e+00, 4.1477e+00],
[3.3428e+01, 1.0646e-01, 1.9851e+00],
[6.7813e+01, 2.3738e-01, 1.8387e+00],
[1.8954e+01, 6.6396e-02, 7.5588e-01],
[1.6637e-01, 2.8733e-06, 1.8040e-02],
[6.1779e+00, 1.1140e-02, 3.7369e-01],
[7.0460e+01, 4.7964e-01, 2.0781e+00],
[7.5816e-01, 3.7983e-04, 7.9564e-02],
[1.7301e+01, 3.2609e-02, 5.5745e-01],
[2.0134e+01, 1.0773e-01, 1.1427e+00],
[1.0462e+01, 1.5960e-02, 5.9018e-01],
[1.1923e+02, 8.5735e-01, 3.3617e+00],
[7.2455e-01, 3.3154e-05, 5.2567e-02],
[1.3008e+00, 6.3585e-04, 1.4588e-01],
[2.7204e+01, 1.8877e-02, 2.0869e+00],
[3.6163e-02, 1.4469e-07, 5.0171e-03],
[3.1893e+00, 2.2881e-03, 3.5788e-01],
[8.9796e+00, 3.7578e-03, 4.1939e-01],
[2.4814e-01, 1.2451e-05, 3.4142e-02],
[2.9221e+00, 9.0433e-04, 3.7280e-01],
[3.8160e+01, 2.4642e-01, 1.7377e+00],
[2.7807e+02, 3.8758e+00, 4.4660e+00],
[1.9264e+01, 5.0589e-02, 7.8857e-01],

```

[2.2502e+00, 5.0539e-04, 1.6231e-01],  
[4.7470e+01, 1.0494e-01, 2.4125e+00],  
[1.7235e+01, 8.3221e-03, 8.5893e-01],  
[4.8612e-01, 3.5823e-05, 5.1865e-02],  
[5.4270e-01, 2.1084e-05, 5.0283e-02],  
[5.1472e+01, 4.6109e-01, 2.5207e+00],  
[1.3007e+00, 1.7013e-04, 1.4000e-01],  
[2.4074e+00, 1.7081e-03, 2.1637e-01],  
[2.0683e+01, 1.5469e-02, 1.1626e+00],  
[6.9427e+01, 3.1061e-01, 1.6557e+00],  
[8.8003e-03, 1.3779e-07, 1.3617e-03],  
[1.4081e+02, 1.6251e+00, 2.2974e+00],  
[7.6470e-02, 5.3935e-07, 9.7157e-03],  
[1.0742e+01, 4.2776e-02, 8.1537e-01],  
[2.8116e-02, 6.3307e-07, 4.1456e-03],  
[5.2724e-02, 2.2272e-06, 7.2639e-03],  
[2.2797e+00, 3.0392e-03, 1.8650e-01],  
[1.2735e+02, 1.4500e+00, 2.7315e+00],  
[3.1475e+01, 3.6272e-01, 1.4777e+00],  
[2.7284e-01, 5.8357e-06, 3.3871e-02],  
[1.7772e+02, 2.1066e+00, 3.1200e+00],  
[3.3454e+01, 2.9795e-01, 1.0979e+00],  
[6.6000e-01, 1.4117e-05, 4.6818e-02],  
[1.2423e+00, 4.9187e-04, 8.6317e-02],  
[1.2468e+00, 3.4700e-04, 7.3893e-02],  
[1.1924e-02, 3.7616e-08, 1.8347e-03],  
[3.7462e-03, 7.1225e-09, 6.0480e-04],  
[1.3200e+01, 1.3376e-02, 7.0490e-01],  
[1.6164e+01, 1.1411e-02, 5.9476e-01],  
[3.1330e-01, 3.8499e-05, 2.6237e-02],  
[4.5088e+01, 2.4197e-01, 1.2163e+00],  
[1.1414e-02, 2.2642e-08, 1.7819e-03],  
[9.9847e+00, 2.4607e-02, 4.6949e-01],  
[5.2630e-01, 1.4726e-04, 5.2985e-02],  
[5.5892e-01, 3.4685e-05, 7.3792e-02],  
[4.0578e-01, 5.3688e-06, 4.2080e-02],  
[5.9304e+01, 4.0575e-01, 1.8717e+00],  
[8.7961e+01, 6.3467e-01, 2.4276e+00],  
[4.1615e+01, 1.0283e-01, 1.0846e+00],  
[2.8153e+00, 8.1536e-05, 1.4851e-01],  
[6.9192e-01, 1.9352e-04, 8.0854e-02],  
[4.2804e+01, 7.8871e-02, 2.0093e+00],  
[2.4992e+01, 1.0588e-01, 1.4892e+00],  
[1.2153e-01, 7.8326e-06, 1.4303e-02],  
[3.4612e-02, 1.9476e-07, 5.0134e-03],  
[1.9326e+00, 1.1434e-03, 1.3711e-01],  
[1.0745e+00, 3.8233e-05, 1.0226e-01],  
[1.3256e+01, 5.0581e-02, 7.2716e-01],

[2.1199e+01, 1.4552e-01, 1.7685e+00],  
 [1.1275e-01, 4.6407e-06, 1.2802e-02],  
 [2.8608e-02, 9.6167e-07, 4.2480e-03],  
 [1.4972e+00, 2.4581e-03, 1.6497e-01],  
 [2.1834e-02, 4.9980e-07, 3.3929e-03],  
 [9.7960e+01, 1.3706e+00, 3.2593e+00],  
 [4.7287e+01, 4.2078e-01, 1.5654e+00],  
 [3.1881e-01, 4.0213e-05, 2.9435e-02],  
 [7.1611e-04, 1.3245e-10, 1.1616e-04],  
 [1.0230e+02, 6.4859e-01, 2.0203e+00],  
 [7.4703e+01, 1.1086e+00, 1.9842e+00],  
 [2.3437e-04, 7.2004e-12, 3.8448e-05],  
 [3.4512e+01, 2.5223e-02, 2.0528e+00],  
 [2.0109e+01, 2.1088e-01, 9.6620e-01],  
 [3.5025e+00, 5.4920e-03, 2.7318e-01],  
 [2.5282e-01, 9.8168e-06, 2.3297e-02],  
 [2.3864e+02, 5.1524e+00, 4.3018e+00],  
 [1.0327e+02, 2.7179e+00, 3.0277e+00],  
 [4.7759e+01, 1.6281e-01, 1.0741e+00],  
 [1.7066e+02, 5.1405e+00, 4.6274e+00],  
 [9.1755e-03, 3.3916e-08, 1.3861e-03],  
 [1.9708e+01, 1.6896e-01, 1.4353e+00],  
 [2.7378e+01, 1.6314e-01, 1.3187e+00],  
 [4.8596e+00, 3.7581e-03, 2.2041e-01],  
 [2.3982e+01, 4.5438e-02, 1.0337e+00],  
 [2.3092e-01, 1.9410e-05, 2.5459e-02],  
 [2.7109e+01, 2.8063e-01, 1.8813e+00],  
 [1.2983e+02, 1.0453e+00, 2.1269e+00],  
 [1.9169e+01, 1.0415e-01, 7.1224e-01],  
 [6.9079e+00, 2.3330e-02, 6.3400e-01],  
 [1.0204e+00, 3.3861e-04, 9.7903e-02],  
 [1.6063e-02, 8.5456e-08, 2.5411e-03],  
 [1.7496e-03, 2.4220e-10, 2.8026e-04],  
 [5.5361e-01, 3.8463e-05, 6.6323e-02],  
 [4.9213e+01, 4.1561e-01, 2.4055e+00],  
 [2.8299e+01, 3.8377e-02, 1.3835e+00],  
 [6.4133e-02, 2.9203e-06, 8.7402e-03],  
 [6.4114e+01, 9.2217e-01, 2.1659e+00],  
 [1.4328e+00, 2.0088e-04, 1.6054e-01],  
 [6.0276e+01, 6.0690e-01, 2.0227e+00],  
 [1.9250e+02, 3.4529e+00, 4.2180e+00],  
 [8.5341e-01, 1.5505e-04, 6.1719e-02],  
 [5.3441e+00, 5.8843e-03, 3.5153e-01],  
 [8.6665e+01, 9.0984e-01, 2.1953e+00],  
 [1.4871e+01, 9.5682e-03, 1.0274e+00],  
 [1.1803e+02, 8.9224e-02, 3.4132e+00],  
 [1.2779e+02, 1.5650e+00, 2.8080e+00],  
 [9.9874e-02, 4.3186e-06, 1.1835e-02],

[4.1330e+00, 5.3449e-04, 1.7315e-01],  
 [4.1710e-02, 5.5225e-07, 5.7200e-03],  
 [1.9324e+00, 1.1196e-03, 1.2984e-01],  
 [1.0870e+02, 6.1215e-01, 3.5735e+00],  
 [7.2731e+00, 3.6417e-03, 4.0085e-01],  
 [8.9575e-01, 9.4929e-05, 9.7695e-02],  
 [5.4748e+00, 1.3258e-03, 3.4035e-01],  
 [1.6703e+01, 8.2846e-02, 1.2573e+00],  
 [3.0068e+00, 5.3444e-03, 3.4622e-01],  
 [4.3220e+00, 6.3330e-03, 2.4447e-01],  
 [1.9936e+01, 1.0650e-01, 1.2807e+00],  
 [7.7079e+01, 3.4122e-01, 1.5807e+00],  
 [1.0092e+01, 5.2647e-03, 3.4478e-01],  
 [4.0438e-02, 4.0274e-07, 5.5303e-03],  
 [2.3888e+01, 3.8719e-02, 1.0822e+00],  
 [1.4126e+02, 2.4864e+00, 4.6625e+00],  
 [6.6206e-01, 7.8692e-05, 5.9887e-02],  
 [1.9009e+02, 7.3209e+00, 4.1881e+00],  
 [6.0565e-01, 2.8355e-05, 4.7837e-02],  
 [1.9773e+01, 4.6281e-02, 6.5803e-01],  
 [7.7313e+01, 2.0278e-01, 1.6214e+00],  
 [2.6853e+01, 7.6890e-02, 1.6870e+00],  
 [4.6322e+00, 6.6163e-04, 3.9979e-01],  
 [1.0112e+01, 1.7789e-02, 5.0398e-01],  
 [6.2294e+01, 4.7860e-01, 1.8429e+00],  
 [7.3135e+01, 2.7438e-01, 2.9481e+00],  
 [3.4756e-01, 6.9850e-05, 3.8474e-02],  
 [7.6915e+01, 1.4707e+00, 3.8107e+00],  
 [7.1175e-03, 3.3843e-09, 1.0836e-03],  
 [8.0268e-02, 9.4400e-07, 9.8006e-03],  
 [6.2526e+00, 1.6566e-03, 3.0101e-01],  
 [1.3682e+02, 2.1397e+00, 3.6587e+00],  
 [6.4641e-01, 2.5579e-04, 8.1682e-02],  
 [3.1504e+01, 2.1136e-01, 8.7997e-01],  
 [2.7750e+01, 2.9100e-01, 1.6239e+00],  
 [1.7714e-01, 1.1496e-05, 2.2376e-02],  
 [1.0874e+02, 2.1657e+00, 2.2399e+00],  
 [6.6915e-02, 2.6762e-06, 8.3474e-03],  
 [1.3310e-03, 2.7260e-09, 2.1483e-04],  
 [1.5960e+01, 2.0916e-02, 1.3251e+00],  
 [3.0864e+01, 3.2819e-01, 1.1567e+00],  
 [4.2470e+00, 5.9270e-03, 3.1833e-01],  
 [1.7324e+01, 1.7465e-02, 7.0277e-01],  
 [6.7726e+01, 1.1717e+00, 2.7433e+00],  
 [1.9051e-02, 7.6877e-08, 2.8237e-03],  
 [2.2940e+02, 1.4708e+01, 4.9416e+00],  
 [4.6450e+01, 3.3458e-01, 1.5355e+00],  
 [8.0690e+01, 3.1496e-01, 3.3554e+00],

[1.3198e+02, 9.4561e-01, 3.0504e+00],  
 [7.5289e-01, 9.0679e-05, 4.4012e-02],  
 [2.1654e+02, 2.2822e-01, 5.0279e+00],  
 [9.1818e-01, 5.1974e-05, 9.9783e-02],  
 [2.7506e-02, 7.0381e-07, 3.8913e-03],  
 [5.9358e+01, 8.1073e-01, 1.3886e+00],  
 [4.0566e+01, 2.0784e-01, 1.1587e+00],  
 [2.7166e+01, 3.1317e-02, 1.2124e+00],  
 [5.3703e+01, 2.4914e-01, 2.4352e+00],  
 [1.3953e+01, 5.1932e-02, 6.6305e-01],  
 [8.3265e+00, 6.7283e-03, 3.0257e-01],  
 [5.8754e+00, 8.2513e-03, 3.2413e-01],  
 [1.4833e+00, 2.4794e-03, 1.9246e-01],  
 [3.3047e+01, 1.2642e-01, 1.6723e+00],  
 [4.1467e+00, 1.7111e-03, 4.5311e-01],  
 [9.9679e+01, 5.4715e-01, 3.9278e+00],  
 [1.9928e+01, 4.8507e-02, 8.9073e-01],  
 [2.0895e+00, 3.6403e-04, 1.8426e-01],  
 [9.4218e+01, 5.3448e-01, 3.6556e+00],  
 [4.6453e-01, 1.4374e-04, 5.0242e-02],  
 [7.6719e+00, 9.0103e-03, 4.3467e-01],  
 [1.0793e+02, 1.7917e+00, 2.9049e+00],  
 [1.1947e+01, 3.3914e-02, 6.8385e-01],  
 [1.7094e+02, 1.0556e+00, 4.6343e+00],  
 [1.7922e+02, 2.8934e+00, 3.4257e+00],  
 [5.4254e-01, 1.0121e-04, 4.5954e-02],  
 [1.8259e-02, 6.1570e-08, 2.6617e-03],  
 [2.1893e+01, 2.1496e-01, 1.6942e+00],  
 [9.6469e+01, 6.1364e-01, 2.0362e+00],  
 [1.0807e+02, 1.9725e+00, 2.8595e+00],  
 [1.1766e+01, 3.4400e-02, 6.5859e-01],  
 [2.1474e+01, 1.5133e-01, 1.5950e+00],  
 [3.0890e+01, 1.1170e-01, 1.2027e+00],  
 [1.2779e+00, 5.2444e-04, 1.0442e-01],  
 [4.7922e+01, 2.8593e-01, 1.7470e+00],  
 [2.8750e+01, 1.9964e-01, 8.8963e-01],  
 [8.6167e+01, 7.7134e-01, 2.8875e+00],  
 [4.7663e-02, 8.4978e-07, 6.6054e-03],  
 [4.8811e+01, 4.9756e-01, 1.2145e+00],  
 [1.2231e+02, 4.8236e-01, 4.4731e+00],  
 [2.7326e+01, 2.3261e-01, 1.4066e+00],  
 [9.7497e-01, 3.0832e-04, 1.1809e-01],  
 [8.5735e-01, 1.2971e-04, 7.0448e-02],  
 [1.4489e+02, 5.0916e+00, 3.5809e+00],  
 [3.0922e+01, 2.6691e-01, 1.0582e+00],  
 [1.1086e+02, 3.0482e+00, 3.1643e+00],  
 [2.7386e+02, 5.2283e+00, 4.8810e+00],  
 [3.6948e+01, 8.1900e-02, 1.1384e+00],

[9.5130e-02, 1.7664e-07, 1.1708e-02],  
 [2.9016e+00, 1.6459e-03, 1.9799e-01],  
 [3.5982e+01, 3.7202e-01, 9.9331e-01],  
 [4.9023e+00, 2.2406e-03, 2.0483e-01],  
 [2.0871e+01, 3.0324e-02, 1.2223e+00],  
 [1.3823e+01, 2.3434e-02, 6.5820e-01],  
 [2.3421e-01, 2.2081e-05, 2.9666e-02],  
 [8.8359e-02, 6.2390e-06, 1.2867e-02],  
 [5.1764e+00, 6.7585e-03, 4.4626e-01],  
 [4.8868e-01, 4.3539e-05, 3.7611e-02],  
 [7.4302e-01, 1.4563e-04, 6.5422e-02],  
 [1.2847e-01, 2.2963e-06, 1.5474e-02],  
 [5.9485e+01, 4.4970e-01, 1.2869e+00],  
 [4.6735e+00, 6.5193e-03, 3.4312e-01],  
 [2.7663e+00, 1.7068e-03, 1.7208e-01],  
 [4.0779e+00, 4.5276e-03, 2.1807e-01],  
 [3.9765e+00, 2.1711e-03, 2.4423e-01],  
 [1.5014e-01, 1.9268e-05, 2.0936e-02],  
 [2.3834e+01, 1.0649e-01, 1.3807e+00],  
 [4.7452e+00, 1.1710e-02, 4.5876e-01],  
 [7.9593e+00, 1.0546e-02, 4.5363e-01],  
 [2.9093e+01, 3.1177e-01, 1.1362e+00],  
 [4.7466e-01, 6.7434e-05, 4.6160e-02],  
 [2.2100e+00, 1.5223e-03, 2.4208e-01],  
 [6.6978e-01, 5.6787e-04, 7.8761e-02],  
 [5.5652e+01, 4.0648e-01, 3.1369e+00],  
 [1.0303e-01, 2.0095e-06, 1.2304e-02],  
 [1.0477e+00, 1.3114e-04, 1.1688e-01],  
 [2.8199e+00, 1.8039e-03, 2.7235e-01],  
 [2.5235e+02, 3.2735e+00, 4.3486e+00],  
 [2.4415e+00, 3.9424e-04, 1.8520e-01],  
 [2.3605e+01, 7.6812e-02, 9.1549e-01],  
 [2.0791e+02, 3.2733e+00, 3.7551e+00],  
 [2.4157e+01, 7.6672e-02, 1.1630e+00],  
 [9.7127e-02, 1.1312e-05, 1.3419e-02],  
 [1.7783e+00, 1.9681e-04, 1.2000e-01],  
 [7.4365e+01, 2.6591e-01, 2.7144e+00],  
 [1.1544e+00, 1.3399e-04, 1.0659e-01],  
 [9.9755e-03, 3.0654e-08, 1.5058e-03],  
 [4.5623e+01, 7.8044e-01, 2.1886e+00],  
 [9.0121e+00, 3.9332e-02, 7.5437e-01],  
 [4.6348e+01, 3.0103e-01, 1.5691e+00],  
 [1.3291e+01, 2.2236e-02, 4.7901e-01],  
 [1.1020e+01, 2.8826e-02, 4.7192e-01],  
 [8.8288e+01, 1.3354e-01, 3.4019e+00],  
 [9.2020e+00, 4.0091e-03, 4.9276e-01],  
 [2.3400e+02, 3.9713e+00, 4.4191e+00],  
 [1.4300e+01, 1.0215e-01, 8.0289e-01],

[2.5102e+01, 1.0300e-01, 1.3660e+00],  
[7.4701e-01, 2.4509e-04, 6.9505e-02],  
[8.5652e+00, 8.1938e-03, 5.7963e-01],  
[3.5261e+01, 2.7367e-01, 2.2325e+00],  
[8.0187e-02, 3.0042e-06, 1.1984e-02],  
[5.2596e+01, 5.5063e-01, 1.2480e+00],  
[1.6195e+00, 3.1536e-04, 1.5097e-01],  
[5.6137e+00, 7.2077e-03, 3.6239e-01],  
[3.3052e-01, 3.1354e-05, 4.4500e-02],  
[6.6812e+00, 2.5596e-03, 2.5260e-01],  
[2.1008e+00, 1.7420e-03, 1.7763e-01],  
[5.9508e+01, 3.2215e-01, 1.6509e+00],  
[9.1910e+00, 3.7117e-03, 3.9821e-01],  
[1.2329e-01, 4.9321e-06, 1.3629e-02],  
[4.4789e+00, 1.0602e-02, 2.9980e-01],  
[7.9107e+00, 3.1978e-03, 3.7192e-01],  
[5.1370e+01, 2.3902e-01, 2.7871e+00],  
[7.8721e-01, 2.5067e-04, 8.4437e-02],  
[1.2633e+02, 7.2894e-01, 3.0588e+00],  
[8.4077e+01, 3.2941e-01, 2.0436e+00],  
[2.8700e-01, 3.2172e-05, 2.8639e-02],  
[6.5513e-01, 3.7154e-05, 4.9256e-02],  
[4.5765e-01, 6.1622e-05, 6.2218e-02],  
[2.6371e+01, 1.8277e-02, 6.8388e-01],  
[4.7988e-01, 9.4549e-05, 4.1246e-02],  
[7.0577e+01, 1.1106e-01, 1.8408e+00],  
[7.3657e+01, 5.2965e-01, 2.2770e+00],  
[8.2935e+00, 7.7047e-03, 7.6574e-01],  
[1.5128e+01, 1.4925e-02, 5.3776e-01],  
[1.3987e+02, 2.2391e+00, 4.1176e+00],  
[1.4446e+00, 1.2359e-03, 1.6962e-01],  
[2.8803e+00, 5.3282e-04, 2.1070e-01],  
[1.6561e+02, 3.7659e+00, 3.2580e+00],  
[6.2518e+01, 4.4458e-01, 1.3673e+00],  
[1.9082e+02, 4.2538e-01, 4.0859e+00],  
[2.1690e+00, 9.9917e-04, 1.5813e-01],  
[1.3063e-02, 4.5567e-08, 2.0926e-03],  
[5.4609e+01, 3.8655e-01, 2.0992e+00],  
[9.1049e+01, 1.8071e-01, 3.2117e+00],  
[2.6561e+00, 8.1377e-05, 1.7718e-01],  
[4.9927e+00, 5.6348e-03, 2.8945e-01],  
[6.0622e+01, 7.9937e-01, 3.5268e+00],  
[8.7927e+01, 8.5551e-01, 2.0247e+00],  
[4.2111e-01, 7.8683e-05, 4.1964e-02],  
[1.1850e+01, 1.2456e-02, 4.0150e-01],  
[1.4435e+02, 3.7837e+00, 3.4092e+00],  
[1.3571e+01, 7.3781e-02, 1.1765e+00],  
[3.4907e+00, 8.0562e-04, 1.9327e-01],

```

[2.8149e+01, 1.8491e-02, 1.6317e+00],
[1.9300e+01, 1.1073e-01, 1.1212e+00],
[2.0082e+01, 5.9831e-02, 9.3795e-01],
[1.3060e-01, 2.3729e-06, 1.7547e-02]], dtype=torch.float64)
Iteration: 117
Inputs: tensor([[8.6528e+19, 2.6668e+02, 9.0250e+00, 3.7775e+00],
[1.3322e+19, 3.2895e+02, 1.9282e+01, 8.1648e+00],
[4.6381e+19, 1.2261e+02, 3.0983e+00, 1.8903e+00],
...,
[6.2995e+20, 2.3846e+02, 9.0476e+00, 5.8181e+00],
[2.0860e+20, 1.6634e+02, 1.2994e+01, 2.3716e+00],
[6.8711e+20, 7.6026e+01, 6.6012e+00, 4.0735e+00]], dtype=torch.float64)
Target: tensor([[2.5202e+01, 5.2604e-02, 1.1236e+00],
[3.8600e+00, 6.3886e-03, 2.6104e-01],
[7.9332e+00, 1.5908e-03, 5.5796e-01],
[1.8908e+02, 6.9360e+00, 4.4047e+00],
[3.9735e-02, 6.4286e-07, 6.0696e-03],
[1.0464e+00, 2.7102e-04, 7.9336e-02],
[3.6688e+01, 1.1992e-01, 1.5626e+00],
[1.5450e+00, 3.2654e-05, 1.4877e-01],
[6.1033e-01, 1.1836e-04, 5.8846e-02],
[1.1176e+01, 1.2187e-02, 6.4141e-01],
[5.9110e+01, 6.4208e-01, 2.2314e+00],
[1.9412e+01, 2.9169e-02, 6.6078e-01],
[2.6538e-02, 2.7780e-07, 4.0132e-03],
[1.0949e+02, 2.1516e+00, 2.6253e+00],
[2.8357e+01, 2.1534e-02, 8.0765e-01],
[1.2218e-01, 7.0125e-07, 1.3409e-02],
[8.0572e+01, 1.6295e-01, 1.4922e+00],
[1.1917e+02, 5.1533e-01, 4.0722e+00],
[7.5612e+01, 7.3802e-01, 2.3186e+00],
[1.5220e+02, 9.1952e-01, 3.2611e+00],
[1.7124e+01, 7.8873e-02, 6.5839e-01],
[2.7899e+01, 9.5447e-03, 1.9849e+00],
[2.3680e+01, 3.7105e-02, 8.3514e-01],
[1.1059e-02, 1.1048e-07, 1.6783e-03],
[1.9523e+01, 1.3308e-02, 1.0199e+00],
[2.5876e+01, 1.5229e-01, 1.3415e+00],
[2.3377e+01, 2.7217e-02, 2.0683e+00],
[3.3984e-01, 8.2610e-05, 3.5766e-02],
[5.5873e-01, 1.3897e-04, 4.6886e-02],
[2.7115e+00, 9.0749e-04, 1.4758e-01],
[1.2111e+00, 7.2203e-05, 1.3125e-01],
[1.3802e+01, 5.4748e-02, 7.5774e-01],
[1.4452e+01, 5.8714e-02, 6.6106e-01],
[9.4397e+01, 4.3460e-01, 3.5532e+00],
[1.3181e+00, 1.0023e-04, 8.1423e-02],
[5.3297e-02, 9.2314e-07, 7.2575e-03],

```



[1.4179e+00, 6.9633e-04, 1.3543e-01],  
[3.3995e+00, 3.6454e-03, 2.7542e-01],  
[9.5206e-01, 3.2318e-04, 7.8089e-02],  
[3.8513e+01, 1.4234e-01, 1.3169e+00],  
[2.0555e-02, 6.7707e-08, 3.0587e-03],  
[8.1681e+00, 4.2951e-04, 4.2273e-01],  
[8.6818e-01, 1.2308e-04, 9.7240e-02],  
[3.2916e-02, 7.3267e-07, 4.9492e-03],  
[1.7548e+01, 7.9386e-02, 6.9266e-01],  
[9.0722e+01, 1.3169e+00, 2.2228e+00],  
[1.1145e+02, 1.3901e+00, 2.1021e+00],  
[8.1117e-02, 7.0728e-06, 1.0372e-02],  
[7.9190e-01, 1.7574e-04, 8.2606e-02],  
[1.3915e+02, 1.1412e+00, 4.0821e+00],  
[2.7809e+00, 3.3195e-03, 2.1523e-01],  
[5.8997e-01, 1.3530e-04, 6.2681e-02],  
[6.1166e-02, 1.0407e-06, 7.9714e-03],  
[1.6724e+02, 2.2266e+00, 3.9981e+00],  
[2.5997e+01, 1.0800e-01, 1.4474e+00],  
[3.8563e+01, 2.4329e-01, 1.7592e+00],  
[1.7666e+00, 7.6536e-04, 2.3307e-01],  
[2.9007e+01, 1.8257e-01, 1.8943e+00],  
[7.1089e+00, 7.8296e-03, 4.3710e-01],  
[8.6438e-01, 1.1369e-04, 6.8770e-02],  
[2.8670e+00, 3.7668e-03, 3.0920e-01],  
[1.4132e-02, 2.0874e-07, 2.0803e-03],  
[4.4634e+01, 3.6236e-01, 2.7767e+00],  
[9.0747e-01, 3.3471e-04, 7.7801e-02],  
[1.4969e+00, 9.1918e-04, 1.3553e-01],  
[4.7088e-01, 9.9280e-05, 3.9883e-02],  
[1.9669e+02, 4.1973e+00, 4.6519e+00],  
[9.1854e+01, 1.5039e+00, 3.2550e+00],  
[1.8985e+01, 3.8321e-03, 9.2080e-01],  
[1.2398e+02, 9.8714e-01, 4.5682e+00],  
[1.5683e+02, 2.3856e+00, 3.8172e+00],  
[4.7385e-02, 3.6397e-06, 6.9334e-03],  
[4.0935e-02, 5.9703e-07, 5.8961e-03],  
[2.4470e+00, 6.6442e-04, 2.9735e-01],  
[1.1667e-01, 9.8320e-06, 1.3736e-02],  
[1.4744e+01, 9.1015e-03, 1.0046e+00],  
[1.3089e+02, 1.4133e+00, 2.9174e+00],  
[1.9276e-01, 1.6610e-05, 2.4038e-02],  
[2.5061e+00, 2.1527e-03, 2.1318e-01],  
[5.5569e-02, 5.9309e-07, 7.9573e-03],  
[3.3085e+01, 1.2703e-01, 1.0409e+00],  
[4.4630e-01, 4.4925e-05, 5.1065e-02],  
[1.3994e+00, 2.9922e-04, 1.4245e-01],  
[8.2499e-01, 4.4611e-04, 1.0114e-01],

[1.1774e+00, 2.8603e-04, 1.0523e-01],  
 [3.8066e+01, 8.5700e-02, 2.2230e+00],  
 [5.5814e-02, 9.5079e-07, 8.0052e-03],  
 [1.0735e-01, 4.4769e-06, 1.4688e-02],  
 [4.2005e-01, 1.6595e-05, 4.0574e-02],  
 [1.7236e+02, 3.7725e+00, 4.0738e+00],  
 [2.2222e+01, 1.9026e-01, 1.6248e+00],  
 [1.1647e-03, 5.2758e-10, 1.8887e-04],  
 [4.6421e-03, 2.5663e-09, 7.2792e-04],  
 [6.2506e-02, 1.0688e-06, 8.3553e-03],  
 [2.4620e+00, 2.9812e-03, 1.8971e-01],  
 [1.5934e-04, 1.1108e-11, 2.6254e-05],  
 [4.1890e+00, 8.4924e-03, 4.1131e-01],  
 [1.8696e-02, 2.2561e-07, 2.8473e-03],  
 [1.2408e-01, 1.8537e-06, 1.6092e-02],  
 [7.4543e-01, 7.5585e-05, 6.3175e-02],  
 [1.2413e+02, 1.1733e+00, 3.9811e+00],  
 [1.0536e+01, 2.5239e-02, 5.6862e-01],  
 [3.4935e-01, 3.7951e-05, 4.2650e-02],  
 [3.7505e+01, 1.7277e-01, 1.2132e+00],  
 [1.7180e-01, 7.0786e-06, 2.0004e-02],  
 [9.5990e-01, 3.5806e-04, 1.1069e-01],  
 [2.9500e-01, 7.2303e-06, 3.3266e-02],  
 [6.6436e+00, 2.3163e-02, 5.3901e-01],  
 [3.8044e+01, 5.0285e-01, 1.3985e+00],  
 [5.2556e+01, 1.0677e-01, 2.2108e+00],  
 [6.2530e+00, 7.4007e-03, 4.0203e-01],  
 [1.5814e+01, 6.8609e-03, 1.0438e+00],  
 [5.6520e+00, 2.2175e-03, 5.5816e-01],  
 [1.6782e+01, 1.6882e-01, 1.5186e+00],  
 [7.5557e+00, 1.4383e-03, 2.7959e-01],  
 [9.8338e-01, 5.0278e-04, 1.2476e-01],  
 [1.5719e+02, 4.7945e+00, 3.4960e+00],  
 [6.2888e+01, 6.7257e-01, 2.0352e+00],  
 [2.7103e-01, 3.2674e-05, 3.5482e-02],  
 [1.1693e+01, 4.0067e-03, 7.4572e-01],  
 [3.7032e+00, 1.9633e-04, 1.9547e-01],  
 [1.5271e+00, 5.1793e-04, 1.5505e-01],  
 [1.8000e+01, 3.4856e-02, 1.1223e+00],  
 [2.7067e+00, 7.1625e-04, 1.7148e-01],  
 [9.2781e+01, 1.4873e+00, 2.4123e+00],  
 [1.6462e+00, 3.9239e-04, 1.5469e-01],  
 [1.2574e+00, 1.1138e-03, 1.2217e-01],  
 [1.0220e+02, 6.3716e-02, 3.3828e+00],  
 [2.1360e+00, 1.3425e-04, 1.6099e-01],  
 [1.2140e+02, 4.0872e+00, 3.4967e+00],  
 [2.2038e+01, 5.2762e-02, 9.0386e-01],  
 [7.0437e-02, 1.2426e-06, 1.0940e-02],

[1.5282e+00, 4.9529e-04, 9.3504e-02],  
[5.1815e-02, 1.5859e-06, 6.8071e-03],  
[5.0835e-01, 2.1246e-05, 3.4499e-02],  
[2.3924e+00, 4.4946e-03, 3.1073e-01],  
[5.3612e+00, 1.1726e-03, 2.1343e-01],  
[5.7106e+01, 9.1044e-01, 2.6710e+00],  
[2.2993e+00, 1.2817e-03, 1.9087e-01],  
[4.2613e+01, 3.4214e-01, 1.4768e+00],  
[1.3054e+00, 9.1100e-05, 8.5564e-02],  
[7.4553e+01, 9.6339e-01, 1.9634e+00],  
[4.2396e+01, 7.9850e-02, 1.4267e+00],  
[2.0281e-02, 2.6838e-07, 3.1465e-03],  
[1.0530e+02, 9.0557e-01, 2.6573e+00],  
[6.9675e+00, 1.5785e-03, 2.7426e-01],  
[4.8795e-01, 4.3797e-05, 4.5279e-02],  
[1.2542e+01, 7.5355e-02, 6.8115e-01],  
[7.4609e-01, 8.3423e-05, 8.3083e-02],  
[7.0983e+00, 2.6079e-02, 5.7114e-01],  
[4.6819e-01, 6.8238e-05, 4.7728e-02],  
[5.2870e+01, 2.1997e-01, 1.2093e+00],  
[4.3672e+01, 7.7550e-02, 1.7661e+00],  
[1.3610e+02, 3.3762e+00, 2.8002e+00],  
[9.0410e+01, 8.8433e-01, 3.2468e+00],  
[3.8586e+00, 3.0818e-03, 2.5001e-01],  
[8.7715e+00, 1.7283e-02, 5.9321e-01],  
[1.8709e-01, 4.0240e-05, 2.6032e-02],  
[3.1120e+01, 1.0635e-01, 9.2243e-01],  
[2.0819e+00, 3.0683e-04, 1.0554e-01],  
[2.5795e+01, 1.0163e-01, 1.0541e+00],  
[1.7348e+01, 4.9702e-02, 1.0874e+00],  
[1.2939e+02, 3.4927e-01, 3.2889e+00],  
[1.8003e+01, 6.2856e-02, 1.2385e+00],  
[8.9849e+01, 1.2631e+00, 2.7399e+00],  
[4.3921e+01, 6.5382e-01, 2.2792e+00],  
[2.2463e-02, 4.0381e-07, 3.2863e-03],  
[5.8700e+00, 5.9981e-03, 3.7361e-01],  
[5.0260e+01, 3.1888e-01, 1.9280e+00],  
[5.8933e-01, 2.5624e-05, 7.3199e-02],  
[1.1353e+01, 7.6832e-03, 4.0582e-01],  
[2.2670e-01, 1.4938e-05, 2.1207e-02],  
[4.1074e+00, 1.6604e-03, 2.1227e-01],  
[4.1552e+01, 3.7107e-01, 2.8725e+00],  
[2.3256e-02, 5.0392e-07, 3.5689e-03],  
[1.8094e+01, 1.0486e-02, 1.3882e+00],  
[7.1543e+01, 2.0076e-01, 2.3429e+00],  
[2.3466e-02, 8.9995e-08, 3.5611e-03],  
[5.9015e+01, 5.3660e-01, 2.0265e+00],  
[1.0886e+02, 1.5161e+00, 4.2300e+00],

[1.4477e+02, 6.3701e+00, 3.3347e+00],  
[6.3456e+01, 9.0726e-01, 1.8064e+00],  
[6.5202e+00, 1.5428e-03, 4.0935e-01],  
[1.6430e-02, 1.3227e-07, 2.4095e-03],  
[2.9550e+02, 7.3278e+00, 5.0565e+00],  
[1.0867e-01, 8.0451e-06, 1.5294e-02],  
[4.9648e-03, 1.9294e-08, 7.7080e-04],  
[4.4315e+00, 4.9402e-03, 3.1162e-01],  
[1.6102e+00, 5.6414e-04, 1.2706e-01],  
[5.5246e+00, 2.6649e-02, 5.3285e-01],  
[2.6768e+01, 1.7696e-02, 1.3100e+00],  
[3.4518e+00, 3.1759e-03, 2.1489e-01],  
[7.6813e+00, 1.6398e-03, 4.0933e-01],  
[4.8993e+01, 2.1427e-01, 1.5343e+00],  
[6.3166e+01, 5.9611e-01, 2.1672e+00],  
[2.9265e-02, 3.4460e-07, 4.1694e-03],  
[1.7971e+00, 2.6610e-04, 1.6738e-01],  
[7.8850e-01, 1.3385e-04, 6.6373e-02],  
[2.5031e+02, 3.3427e+00, 4.4391e+00],  
[2.3767e+02, 8.9403e-01, 3.8921e+00],  
[2.0733e+01, 3.5318e-03, 6.5507e-01],  
[2.8667e+00, 7.6800e-04, 3.5970e-01],  
[3.6439e-01, 5.6128e-05, 3.6947e-02],  
[1.1582e-01, 1.2702e-06, 1.5779e-02],  
[2.1034e+00, 1.0863e-03, 1.8790e-01],  
[1.4400e+00, 1.2820e-04, 9.3387e-02],  
[7.4270e+01, 7.1510e-01, 2.1176e+00],  
[1.1142e-01, 7.6306e-06, 1.3185e-02],  
[2.9656e+00, 1.4836e-03, 2.2240e-01],  
[1.2396e+02, 1.8887e+00, 2.7985e+00],  
[7.8463e-02, 2.9048e-06, 9.9624e-03],  
[1.4132e+01, 4.5643e-02, 5.2422e-01],  
[2.2025e+00, 3.8770e-04, 1.9158e-01],  
[1.0339e+02, 2.3119e+00, 3.6465e+00],  
[4.3953e-01, 2.8690e-05, 6.2638e-02],  
[1.7238e+01, 3.7706e-02, 7.0239e-01],  
[2.0679e+01, 6.2551e-02, 1.2302e+00],  
[2.4183e+01, 3.8943e-02, 9.1536e-01],  
[1.2687e+00, 6.3556e-04, 1.3517e-01],  
[2.7583e+01, 8.7778e-02, 1.4137e+00],  
[1.6070e+01, 5.1506e-02, 6.0868e-01],  
[8.3900e-02, 2.5820e-06, 1.0468e-02],  
[1.5433e+01, 2.4918e-02, 1.2754e+00],  
[1.1173e+01, 2.9805e-02, 6.1095e-01],  
[8.9326e+00, 1.2017e-02, 4.0834e-01],  
[1.4579e-01, 9.2296e-06, 1.7628e-02],  
[9.8546e-02, 8.0606e-07, 1.2817e-02],  
[2.1110e+01, 1.8560e-01, 1.1119e+00],

[4.5628e-02, 2.2367e-07, 6.7934e-03],  
[9.2031e-04, 1.3476e-10, 1.4884e-04],  
[4.1912e-01, 4.8360e-05, 6.0908e-02],  
[2.8062e+01, 2.7704e-01, 1.1190e+00],  
[2.0686e-01, 8.3681e-06, 2.1754e-02],  
[1.8254e+01, 4.9436e-02, 6.4942e-01],  
[9.2623e+01, 1.2237e-01, 3.9054e+00],  
[8.1667e+01, 4.6733e-01, 2.1214e+00],  
[1.2736e+02, 2.8924e+00, 4.1917e+00],  
[2.6002e+00, 1.9119e-03, 1.7461e-01],  
[7.9008e-03, 2.8923e-08, 1.2506e-03],  
[1.5542e+01, 3.2934e-03, 6.8451e-01],  
[1.2373e+00, 4.5021e-04, 1.2208e-01],  
[1.7116e+00, 6.4326e-04, 1.3950e-01],  
[1.9216e-01, 1.5127e-05, 2.4553e-02],  
[6.6292e+01, 3.8007e-01, 1.8170e+00],  
[1.0152e+00, 1.9550e-04, 6.2108e-02],  
[6.9701e+01, 6.4219e-01, 1.5668e+00],  
[2.3690e+00, 7.1417e-04, 2.2035e-01],  
[9.9917e-01, 4.5297e-04, 8.8623e-02],  
[4.7824e+00, 1.9199e-03, 3.4939e-01],  
[1.0522e+02, 3.0242e+00, 3.8453e+00],  
[7.9038e+01, 4.2552e-01, 2.1576e+00],  
[2.2677e+01, 1.2563e-01, 8.3980e-01],  
[1.8571e+01, 1.9058e-02, 1.1864e+00],  
[1.0130e-01, 2.4847e-06, 1.4695e-02],  
[7.0176e+01, 1.6822e-01, 2.5979e+00],  
[1.2739e+01, 6.2839e-02, 1.1946e+00],  
[2.6942e+00, 2.2089e-03, 2.3744e-01],  
[4.0831e+01, 3.7261e-01, 1.3388e+00],  
[1.0263e+02, 2.8213e-01, 1.9447e+00],  
[1.5870e-01, 1.8756e-05, 1.8247e-02],  
[2.9764e-01, 1.8661e-05, 3.0330e-02],  
[3.9084e-02, 3.0145e-07, 5.1847e-03],  
[3.5935e+01, 1.2945e-01, 1.9927e+00],  
[2.6696e-01, 2.4677e-05, 2.9031e-02],  
[5.3843e+01, 3.9034e-01, 1.7098e+00],  
[8.3461e+00, 2.9677e-02, 4.3769e-01],  
[1.7229e+01, 9.3735e-02, 8.2990e-01],  
[1.7566e+02, 2.5538e+00, 3.4905e+00],  
[9.4103e+01, 8.1739e-02, 1.9149e+00],  
[6.3959e+01, 1.0943e+00, 2.0687e+00],  
[3.2635e-01, 3.7908e-05, 4.2136e-02],  
[1.8874e+02, 6.6972e+00, 3.9479e+00],  
[6.7108e+00, 6.7635e-03, 5.9860e-01],  
[5.5050e+01, 1.7860e-01, 1.3096e+00],  
[3.2877e+00, 2.6935e-03, 2.7744e-01],  
[3.0151e+01, 3.2826e-01, 1.1477e+00],

```

[3.6975e+00, 2.2885e-03, 2.6352e-01],
[1.3638e+00, 1.9612e-04, 1.1618e-01],
[2.4388e-01, 3.8099e-06, 2.9495e-02],
[1.6747e+00, 4.3038e-04, 1.5939e-01],
[9.4925e+00, 2.8773e-02, 5.9087e-01],
[1.4897e+01, 8.1112e-02, 1.0841e+00],
[1.7918e+02, 4.9181e+00, 3.4892e+00],
[1.0909e-02, 5.1770e-08, 1.6465e-03],
[2.5723e-01, 3.2421e-05, 3.5467e-02],
[1.6397e-01, 1.8003e-05, 2.1533e-02],
[4.6748e-01, 3.4034e-06, 5.1705e-02],
[3.4997e-02, 1.1709e-06, 5.4759e-03],
[3.1838e+01, 2.2293e-02, 1.8349e+00],
[3.4434e-02, 2.0714e-07, 4.9102e-03],
[1.1841e-01, 2.2463e-06, 1.4121e-02],
[8.4546e+01, 1.3593e+00, 2.5885e+00],
[3.0502e-01, 1.9190e-05, 3.1405e-02],
[1.2852e+02, 1.0433e+00, 4.0968e+00],
[5.0617e+01, 4.2480e-01, 1.5280e+00],
[5.8993e+01, 8.8113e-01, 1.8455e+00],
[5.1902e+01, 3.0359e-01, 1.9965e+00],
[5.7187e+00, 3.2118e-03, 3.9991e-01],
[3.6766e-01, 2.3570e-05, 3.0621e-02],
[7.5205e+01, 2.9881e-01, 3.0000e+00],
[3.4771e+01, 1.8602e-01, 1.3768e+00],
[1.5278e+01, 7.1245e-02, 6.4919e-01],
[3.9184e+01, 7.5666e-02, 2.3449e+00],
[1.5529e-01, 5.0869e-06, 1.7643e-02],
[3.8383e-01, 3.1469e-05, 3.2026e-02],
[1.5939e+01, 3.3514e-02, 1.1018e+00],
[5.2709e+01, 2.2412e-01, 2.2604e+00],
[2.5682e+00, 4.3225e-04, 1.4373e-01],
[4.2648e+01, 2.3655e-01, 1.4912e+00],
[1.1019e+02, 1.6267e+00, 2.7386e+00],
[1.8511e+01, 2.0429e-02, 1.0189e+00],
[8.8154e+01, 3.7838e-01, 1.9313e+00],
[1.0318e-01, 1.5887e-06, 1.4061e-02],
[4.7839e-01, 4.6678e-05, 6.9747e-02],
[2.6243e-01, 1.3187e-05, 2.5236e-02],
[9.8836e+01, 3.0458e-01, 3.6498e+00],
[2.8867e+00, 8.4217e-04, 2.1054e-01],
[1.2335e+02, 1.5981e+00, 3.7757e+00],
[1.4906e+01, 2.3579e-02, 1.1633e+00],
[4.5411e+01, 1.9256e-01, 2.8302e+00]], dtype=torch.float64)

```

Iteration: 118

```

Inputs: tensor([[3.9288e+20, 2.9185e+02, 3.1811e+00, 9.2415e+00],
               [1.8515e+19, 4.5431e+02, 1.1278e+01, 7.0602e+00],
               [5.6460e+20, 4.5401e+02, 1.4261e+00, 3.0461e+00],

```

```

...,
[4.0242e+19, 2.6886e+02, 1.3637e+00, 5.0104e+00],
[1.4672e+18, 3.8947e+02, 8.8184e+00, 8.9547e+00],
[4.7137e+18, 1.3092e+02, 4.9577e+00, 5.3281e+00]], dtype=torch.float64)
Target: tensor([[1.5195e+02, 2.8875e+00, 3.1138e+00],
[1.0484e+01, 1.8556e-02, 4.4479e-01],
[2.3485e+02, 7.8531e-01, 3.8387e+00],
[2.5028e+01, 6.8470e-02, 6.0854e-01],
[7.1210e+00, 2.3791e-02, 5.9728e-01],
[2.0664e+00, 2.2491e-04, 1.3057e-01],
[4.7616e+01, 7.6385e-02, 1.9100e+00],
[1.7312e+01, 7.1315e-03, 7.0001e-01],
[6.1657e+01, 4.7782e-01, 2.0256e+00],
[5.6934e+01, 6.7116e-01, 1.5216e+00],
[2.2459e+00, 1.3315e-04, 1.7372e-01],
[6.1360e+00, 3.8445e-03, 3.5142e-01],
[1.4312e+01, 1.3911e-02, 4.9048e-01],
[2.4954e+00, 2.3849e-04, 1.4833e-01],
[2.5924e+02, 1.0196e+01, 4.7291e+00],
[5.9910e+01, 4.1388e-01, 1.3659e+00],
[6.9065e-01, 3.7064e-06, 5.2860e-02],
[3.7917e-02, 5.7642e-08, 5.1987e-03],
[4.8571e+01, 5.8819e-01, 1.5416e+00],
[4.3446e+00, 1.7211e-02, 3.7239e-01],
[1.4419e+02, 3.5919e+00, 3.2779e+00],
[4.2967e-01, 2.6877e-05, 5.1627e-02],
[1.1653e+01, 4.5850e-03, 5.6192e-01],
[6.3667e-01, 3.2580e-05, 6.7310e-02],
[1.1517e+00, 1.1605e-05, 1.0592e-01],
[1.4847e+01, 5.5690e-02, 5.8469e-01],
[6.2529e+01, 3.2183e-01, 1.7003e+00],
[1.5920e+00, 1.8122e-04, 1.3323e-01],
[1.8757e+00, 1.5386e-03, 1.4455e-01],
[6.5432e+01, 1.6631e+00, 2.4856e+00],
[3.0437e+00, 2.8945e-03, 2.4943e-01],
[1.0359e+00, 7.9065e-04, 1.3189e-01],
[4.6387e+00, 1.3778e-02, 5.3028e-01],
[1.0746e+02, 1.9302e+00, 3.4427e+00],
[2.4269e+01, 2.4100e-02, 1.3885e+00],
[7.5980e+01, 9.0442e-01, 2.1268e+00],
[7.4765e+00, 2.3326e-03, 3.5849e-01],
[1.8356e-01, 3.0671e-06, 2.4348e-02],
[1.8562e+00, 4.9344e-04, 2.0965e-01],
[3.2441e+00, 1.6653e-03, 2.7173e-01],
[4.1942e-02, 2.7800e-07, 6.3373e-03],
[1.9055e+00, 1.4574e-03, 1.2614e-01],
[2.1535e+00, 6.3234e-04, 2.4228e-01],
[1.8443e+01, 4.5840e-02, 8.9773e-01],

```

[2.5488e+01, 1.5489e-02, 1.7606e+00],  
 [2.6908e+00, 1.4389e-03, 1.9236e-01],  
 [6.2160e+01, 6.3440e-01, 2.8924e+00],  
 [4.9392e-01, 6.6249e-05, 4.3508e-02],  
 [2.6359e+00, 3.4398e-04, 2.5081e-01],  
 [1.2983e+02, 1.3956e-01, 4.1133e+00],  
 [7.9439e+01, 3.3060e-01, 3.1591e+00],  
 [5.0041e+00, 5.3367e-03, 2.6143e-01],  
 [4.1123e+01, 4.4305e-01, 1.2219e+00],  
 [2.2648e+01, 9.3160e-02, 1.0159e+00],  
 [2.3586e-01, 2.7778e-06, 3.1593e-02],  
 [1.5055e+02, 3.6870e+00, 2.8122e+00],  
 [1.7685e+00, 1.0282e-03, 1.4499e-01],  
 [8.8857e+00, 5.7924e-03, 3.8424e-01],  
 [8.2124e-01, 1.9248e-04, 8.5318e-02],  
 [7.3892e+01, 5.8692e-01, 2.1443e+00],  
 [4.3102e+00, 7.2814e-03, 3.5959e-01],  
 [7.8197e+01, 4.5112e-01, 2.5412e+00],  
 [1.5609e+02, 1.4412e+00, 4.5149e+00],  
 [4.3323e+01, 1.4768e-01, 9.7061e-01],  
 [1.8066e+01, 5.0115e-02, 6.9610e-01],  
 [9.2439e-01, 9.2005e-05, 8.5032e-02],  
 [1.7155e-02, 1.2559e-07, 2.4856e-03],  
 [1.4279e+01, 1.6213e-03, 5.3793e-01],  
 [2.1183e+01, 1.6378e-02, 6.7369e-01],  
 [2.6272e+01, 6.0627e-02, 2.2003e+00],  
 [6.8887e-01, 1.6643e-04, 8.5807e-02],  
 [2.1484e+02, 1.2322e+01, 4.7597e+00],  
 [9.3177e-03, 2.4926e-08, 1.4161e-03],  
 [6.1530e+00, 2.7729e-02, 4.8344e-01],  
 [1.1720e-01, 1.0843e-05, 1.5692e-02],  
 [5.1704e-02, 6.0410e-07, 6.6411e-03],  
 [6.2446e+01, 2.1902e-01, 1.5389e+00],  
 [1.3684e+00, 6.7995e-04, 1.2994e-01],  
 [1.2311e+01, 3.6593e-02, 5.1270e-01],  
 [1.0048e+01, 1.0428e-02, 5.0281e-01],  
 [6.5397e-01, 8.3758e-05, 7.7876e-02],  
 [9.2020e-02, 1.1465e-06, 1.3070e-02],  
 [3.7054e+01, 4.0644e-02, 1.3884e+00],  
 [6.1335e+00, 3.6756e-03, 2.7452e-01],  
 [1.7245e+00, 6.8659e-04, 1.4887e-01],  
 [2.7230e-01, 2.2601e-05, 3.2780e-02],  
 [4.6164e-01, 3.9451e-05, 5.7387e-02],  
 [5.4993e+01, 7.6353e-01, 1.7913e+00],  
 [9.0571e+00, 5.9607e-02, 8.5534e-01],  
 [1.0821e+02, 3.2986e-01, 3.4896e+00],  
 [1.1214e+02, 4.4457e-01, 2.9223e+00],  
 [7.5925e-02, 1.6378e-06, 9.3590e-03],



[1.8490e+00, 1.3869e-03, 2.3162e-01],  
 [8.5528e-04, 4.2033e-11, 1.3871e-04],  
 [2.7042e+00, 2.1918e-03, 2.0394e-01],  
 [6.8745e+01, 4.4323e-01, 1.3073e+00],  
 [5.6495e+01, 1.0825e-01, 2.0906e+00],  
 [9.3539e+01, 1.1885e+00, 2.6338e+00],  
 [2.1007e+02, 5.6335e+00, 4.8840e+00],  
 [3.6780e+01, 1.7962e-01, 1.2163e+00],  
 [2.2666e-01, 1.4845e-05, 3.5236e-02],  
 [2.3554e+01, 8.5276e-02, 1.7011e+00],  
 [1.2670e+00, 1.0398e-03, 1.1706e-01],  
 [9.8699e+00, 2.0662e-02, 6.2588e-01],  
 [5.5169e-01, 1.7705e-05, 5.1270e-02],  
 [8.0145e-01, 3.8561e-05, 7.0957e-02],  
 [2.2107e-02, 3.8666e-07, 3.3889e-03],  
 [1.4138e+01, 1.2829e-02, 4.5565e-01],  
 [1.0042e+02, 2.6440e+00, 3.4238e+00],  
 [8.0200e+00, 1.1048e-02, 4.7276e-01],  
 [1.5562e-01, 5.8501e-06, 2.1039e-02],  
 [1.0692e+00, 4.2100e-04, 9.3138e-02],  
 [3.2399e-01, 8.0063e-05, 3.4816e-02],  
 [5.0484e+01, 8.9693e-01, 3.0406e+00],  
 [1.0151e-02, 7.1807e-08, 1.6044e-03],  
 [2.1040e+00, 1.8156e-04, 1.9079e-01],  
 [5.4377e+00, 1.6283e-02, 3.7526e-01],  
 [1.5706e-02, 4.5703e-08, 2.3294e-03],  
 [1.0301e+01, 1.4692e-02, 3.6688e-01],  
 [1.0853e+01, 1.1581e-02, 4.9674e-01],  
 [1.6467e+01, 6.1038e-02, 5.9279e-01],  
 [7.6153e-02, 3.2964e-06, 1.0757e-02],  
 [1.1305e+01, 4.3282e-02, 6.3577e-01],  
 [4.6666e+00, 2.6888e-03, 1.9151e-01],  
 [6.9157e-01, 2.6519e-05, 5.2906e-02],  
 [1.7136e+00, 6.3105e-04, 1.5793e-01],  
 [2.5951e+02, 1.2262e+01, 5.0530e+00],  
 [1.1327e+00, 2.4892e-04, 8.8425e-02],  
 [3.4644e+00, 5.0340e-03, 2.5255e-01],  
 [8.4390e+00, 1.2653e-02, 5.0404e-01],  
 [1.0067e+02, 3.7594e-01, 2.5289e+00],  
 [1.1926e+01, 3.1164e-02, 5.2767e-01],  
 [3.4541e+01, 6.5894e-02, 1.5672e+00],  
 [2.3193e+00, 1.1103e-03, 2.2458e-01],  
 [9.2264e+01, 1.1859e+00, 2.3312e+00],  
 [3.3510e+00, 2.2314e-04, 2.7415e-01],  
 [2.4041e-01, 4.7059e-06, 2.6674e-02],  
 [4.7085e-01, 1.3204e-05, 5.6555e-02],  
 [5.6522e-02, 1.6460e-06, 8.2908e-03],  
 [4.2449e-01, 1.0710e-04, 3.8343e-02],

[2.8407e+01, 1.8321e-02, 1.6608e+00],  
 [9.9094e+00, 4.7689e-03, 5.5430e-01],  
 [2.2007e+01, 6.8090e-02, 7.2732e-01],  
 [1.3371e+01, 7.3140e-03, 6.5499e-01],  
 [2.9534e-01, 5.5903e-05, 3.1690e-02],  
 [9.9740e+00, 6.1127e-03, 4.8679e-01],  
 [8.7829e+01, 2.0302e-01, 2.7215e+00],  
 [5.0162e+01, 2.9966e-01, 3.0833e+00],  
 [2.1977e+02, 9.4181e+00, 4.4294e+00],  
 [6.4381e+01, 2.1833e-01, 1.6552e+00],  
 [1.3542e+00, 1.4842e-03, 1.5861e-01],  
 [7.6749e+01, 4.1565e-01, 1.9520e+00],  
 [7.4102e+01, 3.3347e-01, 1.6031e+00],  
 [1.0056e+01, 8.0977e-03, 4.2292e-01],  
 [3.5847e-01, 5.0580e-05, 4.4329e-02],  
 [1.8099e+02, 7.7532e+00, 4.9136e+00],  
 [6.7021e+00, 2.5846e-03, 3.7621e-01],  
 [1.7392e+00, 5.7639e-05, 1.3605e-01],  
 [2.0437e+02, 3.2114e+00, 4.6270e+00],  
 [5.5792e-01, 1.2169e-04, 4.8352e-02],  
 [1.0541e+02, 2.5698e+00, 3.8859e+00],  
 [6.8588e-01, 9.9848e-05, 8.3631e-02],  
 [4.4113e-03, 7.1655e-09, 7.0339e-04],  
 [9.6458e+01, 1.0992e+00, 2.5154e+00],  
 [2.1793e+01, 6.3795e-02, 6.8662e-01],  
 [4.7443e+01, 3.5183e-01, 1.2213e+00],  
 [1.0699e-01, 3.2641e-06, 1.3630e-02],  
 [1.5797e-01, 4.0870e-06, 1.6238e-02],  
 [1.2011e+00, 2.7186e-04, 1.4862e-01],  
 [6.9110e+01, 7.1059e-01, 2.0389e+00],  
 [9.8348e+01, 1.7677e+00, 2.8308e+00],  
 [4.9088e-01, 5.8727e-05, 4.5165e-02],  
 [7.1108e-01, 2.4589e-04, 6.9876e-02],  
 [2.0982e+00, 7.4697e-05, 1.6008e-01],  
 [3.5990e-03, 2.8906e-09, 5.6364e-04],  
 [6.3942e+00, 1.6774e-03, 3.6700e-01],  
 [2.9330e+01, 6.8070e-02, 9.5663e-01],  
 [4.7156e+00, 3.6310e-03, 3.4316e-01],  
 [1.2877e+02, 6.9892e-01, 4.3593e+00],  
 [2.1585e-01, 1.1468e-05, 2.4737e-02],  
 [2.9302e-01, 1.8452e-05, 3.2322e-02],  
 [1.0283e+00, 4.3147e-05, 6.7604e-02],  
 [5.9013e+00, 1.4632e-04, 3.2498e-01],  
 [8.4888e+01, 6.4963e-01, 2.9215e+00],  
 [5.2980e-01, 2.0764e-04, 6.0920e-02],  
 [8.5201e+00, 3.9575e-02, 6.0519e-01],  
 [1.9516e+00, 3.2162e-03, 2.2541e-01],  
 [5.1735e+00, 5.0107e-03, 3.8717e-01],

[2.8237e+01, 4.1958e-02, 1.0901e+00],  
 [2.4810e+01, 1.2381e-01, 1.3499e+00],  
 [1.9737e-01, 1.3797e-05, 2.7581e-02],  
 [1.2543e+02, 2.5686e-01, 2.1423e+00],  
 [7.1715e+01, 3.6497e-01, 3.4751e+00],  
 [3.9096e+01, 2.6295e-01, 1.4620e+00],  
 [5.9979e-01, 1.1763e-04, 6.3313e-02],  
 [4.5738e-01, 1.3093e-04, 6.0768e-02],  
 [2.8558e-01, 3.5602e-05, 3.0021e-02],  
 [1.1964e-01, 3.4776e-06, 1.5892e-02],  
 [1.3304e-02, 4.1665e-08, 1.9491e-03],  
 [1.5935e-01, 1.8020e-06, 1.9213e-02],  
 [1.6715e+01, 5.8092e-02, 1.1543e+00],  
 [6.5476e-01, 1.5600e-04, 5.4017e-02],  
 [8.8491e-01, 1.9601e-04, 7.5308e-02],  
 [6.9795e-01, 2.1109e-04, 6.8512e-02],  
 [1.5949e+00, 1.5803e-03, 1.5811e-01],  
 [6.8558e+00, 1.4477e-02, 6.3011e-01],  
 [4.4369e-01, 8.1114e-05, 5.8754e-02],  
 [6.1344e-01, 1.7435e-04, 5.5457e-02],  
 [1.4445e+02, 5.2465e+00, 4.1283e+00],  
 [4.4736e+01, 1.5547e-01, 1.7479e+00],  
 [6.7477e+01, 1.4103e-01, 2.5891e+00],  
 [1.7298e+01, 9.4390e-02, 1.4901e+00],  
 [6.9941e-01, 1.9775e-04, 6.5773e-02],  
 [1.8293e+01, 4.1463e-02, 7.5186e-01],  
 [5.1247e+01, 3.1593e-01, 1.2217e+00],  
 [1.5591e+01, 2.8900e-02, 5.9831e-01],  
 [7.6905e-01, 1.0532e-04, 7.1855e-02],  
 [8.5010e+01, 2.9598e-01, 3.4072e+00],  
 [3.9858e+01, 2.3929e-01, 1.5314e+00],  
 [1.0138e+01, 7.4938e-03, 4.8380e-01],  
 [1.8467e-01, 2.1137e-06, 1.8248e-02],  
 [8.6814e+01, 4.0077e-01, 4.0961e+00],  
 [5.0437e-03, 2.4206e-08, 7.8159e-04],  
 [1.4183e-01, 1.5470e-05, 1.7442e-02],  
 [3.6171e-03, 3.1090e-09, 5.7015e-04],  
 [8.6044e+00, 3.3861e-02, 6.7404e-01],  
 [2.2521e+01, 9.8967e-02, 9.0811e-01],  
 [1.1393e+01, 2.2994e-02, 4.3451e-01],  
 [1.0422e+00, 3.8604e-05, 1.1983e-01],  
 [3.1608e-02, 9.8256e-07, 4.5623e-03],  
 [2.4149e+01, 5.3895e-03, 9.8206e-01],  
 [6.9400e-01, 1.4232e-04, 6.3619e-02],  
 [1.3141e+00, 2.5059e-04, 1.2805e-01],  
 [1.3456e-01, 7.1821e-06, 1.7041e-02],  
 [5.5998e+01, 1.7789e-01, 2.8265e+00],  
 [1.3355e+00, 2.1973e-05, 1.2784e-01],

[8.7350e-01, 1.9663e-04, 7.0421e-02],  
[5.5454e+01, 6.3094e-01, 3.0244e+00],  
[2.1278e+02, 7.6028e+00, 4.1395e+00],  
[6.2624e-01, 1.1155e-04, 5.2704e-02],  
[1.0500e-01, 2.2353e-06, 1.2925e-02],  
[1.6391e-01, 2.1416e-06, 2.2231e-02],  
[2.7628e-01, 5.8825e-05, 3.9114e-02],  
[8.8770e+00, 6.5493e-03, 5.3565e-01],  
[4.0388e+00, 5.1164e-03, 2.9544e-01],  
[6.7369e-01, 5.8888e-05, 8.5296e-02],  
[6.0500e-02, 2.3090e-06, 8.4438e-03],  
[6.2916e-01, 1.8151e-04, 5.2170e-02],  
[4.4864e+01, 4.7703e-01, 1.2512e+00],  
[5.9525e-01, 3.0218e-04, 8.1474e-02],  
[8.8726e-01, 2.2446e-04, 8.9329e-02],  
[1.2683e+02, 1.2678e+00, 2.4329e+00],  
[3.9506e-02, 8.4548e-07, 5.9296e-03],  
[8.7640e-01, 1.5729e-04, 8.5648e-02],  
[1.1185e+00, 3.0083e-04, 1.1115e-01],  
[1.9503e+01, 9.2156e-02, 1.0095e+00],  
[2.8738e+02, 7.0829e+00, 5.0919e+00],  
[5.8867e+01, 4.0322e-02, 1.2562e+00],  
[1.3479e+01, 1.5069e-02, 8.9872e-01],  
[2.4122e-02, 8.9692e-08, 3.6615e-03],  
[5.9238e-02, 1.4136e-06, 8.8032e-03],  
[8.2278e+00, 1.4067e-02, 4.2098e-01],  
[5.5132e+00, 6.6314e-03, 3.9858e-01],  
[3.1194e+01, 2.2064e-02, 1.3699e+00],  
[1.3290e+02, 5.7185e-01, 3.3427e+00],  
[3.8665e-02, 5.6811e-07, 5.1806e-03],  
[1.8439e-02, 2.1845e-07, 2.6996e-03],  
[2.4461e+01, 1.3022e-01, 9.0486e-01],  
[3.1659e-01, 2.8658e-05, 3.4087e-02],  
[5.1534e-02, 1.8095e-06, 7.2309e-03],  
[1.6456e+02, 1.3364e+00, 3.1639e+00],  
[2.2884e+00, 1.2474e-04, 1.4558e-01],  
[7.4592e+01, 9.5403e-01, 3.2566e+00],  
[1.4294e-02, 6.2370e-08, 2.1219e-03],  
[6.6916e+00, 7.1660e-03, 4.6945e-01],  
[5.1376e-01, 3.1888e-05, 5.2347e-02],  
[2.3361e-01, 2.0281e-05, 2.9959e-02],  
[6.6337e+01, 6.6738e-02, 3.3817e+00],  
[9.1055e+01, 6.6618e-01, 2.5787e+00],  
[2.8332e+00, 5.0731e-03, 2.9392e-01],  
[2.6797e+01, 8.6825e-02, 1.2668e+00],  
[6.8693e-02, 6.7468e-07, 1.0213e-02],  
[5.5788e+01, 7.7595e-01, 1.3921e+00],  
[1.1176e-01, 1.4057e-05, 1.4077e-02],

```

[2.9925e+00, 7.4839e-04, 1.5566e-01],
[1.7641e+02, 2.3005e+00, 4.5664e+00],
[2.2830e+02, 7.7863e-01, 4.1153e+00],
[1.6114e-01, 1.6195e-05, 1.6964e-02],
[9.4852e-04, 2.4654e-10, 1.5345e-04],
[1.6248e+01, 1.9842e-02, 7.7442e-01],
[1.7501e-01, 3.7591e-06, 1.7927e-02],
[2.0286e+01, 7.9930e-02, 7.3265e-01],
[7.5888e+00, 1.2221e-02, 3.5142e-01],
[1.0937e-01, 3.0974e-07, 1.3411e-02],
[4.4186e-02, 7.3150e-07, 6.0164e-03],
[9.5229e-01, 1.4813e-04, 7.6062e-02],
[4.0861e+01, 4.3635e-02, 2.7104e+00],
[1.8336e+01, 2.4197e-02, 8.3999e-01],
[8.3355e-01, 1.9429e-04, 8.3080e-02],
[8.1112e-02, 1.3510e-06, 1.0292e-02],
[4.2699e+00, 1.5941e-03, 4.7302e-01],
[1.1817e+01, 9.4665e-03, 4.6366e-01],
[5.9343e+01, 4.2476e-01, 2.1989e+00],
[2.4456e-02, 1.4140e-07, 3.4876e-03],
[2.1876e+00, 1.1993e-03, 2.1185e-01],
[9.7864e+01, 1.3379e+00, 3.6433e+00],
[4.3295e-01, 7.0226e-05, 4.8029e-02],
[5.1469e-02, 2.2276e-06, 7.4769e-03],
[1.4267e+01, 4.0192e-02, 1.0189e+00],
[3.2125e+00, 2.3388e-03, 4.2990e-01],
[1.9970e+00, 1.4230e-03, 1.7724e-01],
[6.4012e+01, 5.6538e-01, 2.1319e+00],
[3.6375e-02, 1.6531e-07, 4.9795e-03],
[2.0478e-02, 1.2835e-07, 3.0202e-03],
[3.9586e+01, 9.4959e-02, 2.0390e+00],
[2.4048e+00, 1.4140e-03, 1.9720e-01],
[1.0804e+00, 1.6095e-04, 1.0412e-01],
[2.7416e+01, 3.0665e-02, 8.1066e-01],
[4.1982e-01, 5.9621e-05, 3.5088e-02],
[4.8616e-01, 4.3187e-05, 5.2312e-02]], dtype=torch.float64)
Iteration: 119
Inputs: tensor([[4.2601e+19, 4.9426e+02, 1.4668e+01, 2.7873e+00],
               [2.6280e+19, 6.4850e+01, 1.4765e+01, 5.4933e+00],
               [4.7668e+19, 4.6619e+02, 1.2720e+01, 9.0826e+00],
               ...,
               [2.1809e+20, 9.8062e+01, 1.6528e+01, 7.2277e+00],
               [9.8991e+20, 3.0329e+01, 4.9154e+00, 5.8155e+00],
               [3.6723e+19, 2.7235e+02, 1.1479e+00, 6.6890e+00]], dtype=torch.float64)
Target: tensor([[1.3157e+01, 1.5630e-02, 6.8205e-01],
               [7.4780e-01, 3.6482e-04, 9.3559e-02],
               [3.1192e+01, 2.4812e-01, 9.0246e-01],
               [8.6191e+00, 3.8661e-02, 6.1818e-01],

```

[1.0092e-01, 6.3249e-06, 1.2465e-02],  
 [5.8196e+00, 7.9900e-03, 3.7751e-01],  
 [1.2170e+00, 2.7020e-04, 8.8187e-02],  
 [4.9033e-01, 2.9412e-05, 6.0569e-02],  
 [3.6962e-01, 5.7651e-05, 4.1262e-02],  
 [1.0283e+01, 2.5789e-03, 4.4267e-01],  
 [2.4719e+00, 2.7817e-03, 1.8613e-01],  
 [3.9994e+01, 2.6726e-01, 2.4626e+00],  
 [3.3407e+01, 1.8053e-01, 1.0070e+00],  
 [1.4623e+00, 1.3837e-04, 1.5277e-01],  
 [7.7832e+01, 7.2860e-01, 2.6271e+00],  
 [1.3361e+02, 2.2765e+00, 4.4874e+00],  
 [7.0230e-01, 3.4816e-04, 6.9200e-02],  
 [1.3532e-01, 2.0476e-06, 1.5790e-02],  
 [7.0991e-01, 2.5518e-04, 8.4633e-02],  
 [2.3736e+01, 1.4022e-01, 1.3698e+00],  
 [1.9796e+01, 1.9139e-01, 1.3532e+00],  
 [3.2788e+00, 5.6832e-04, 1.8169e-01],  
 [1.4261e+02, 1.7156e+00, 4.6538e+00],  
 [1.6606e+00, 6.5688e-04, 1.1211e-01],  
 [6.8153e-01, 1.7499e-04, 6.6672e-02],  
 [9.9487e+00, 1.0976e-02, 1.0020e+00],  
 [7.7966e+00, 2.9002e-03, 3.5031e-01],  
 [9.0305e+01, 2.2721e+00, 2.6856e+00],  
 [3.7009e+01, 1.7843e-01, 1.0696e+00],  
 [2.2966e-01, 1.6239e-05, 2.5809e-02],  
 [4.5305e+01, 9.8776e-02, 2.5214e+00],  
 [4.0763e+01, 5.3888e-01, 2.2149e+00],  
 [6.8499e-01, 7.7558e-06, 5.5768e-02],  
 [9.0641e+01, 2.0486e+00, 3.6611e+00],  
 [6.1956e-02, 5.3088e-07, 7.8172e-03],  
 [1.0952e-02, 1.4479e-08, 1.6480e-03],  
 [1.6649e-01, 2.0614e-05, 2.1947e-02],  
 [1.0404e+02, 1.8214e+00, 3.3854e+00],  
 [1.3386e+02, 4.6227e+00, 3.0021e+00],  
 [2.3178e-03, 4.6491e-09, 3.7141e-04],  
 [1.0292e+01, 3.5844e-02, 8.5937e-01],  
 [5.8691e-04, 7.6783e-11, 9.5394e-05],  
 [2.9131e+01, 8.8462e-02, 1.2618e+00],  
 [1.3656e+01, 3.3029e-02, 1.3747e+00],  
 [8.7730e+00, 8.4566e-03, 9.0891e-01],  
 [5.3158e-01, 6.4577e-05, 5.3513e-02],  
 [9.5602e-03, 1.6212e-07, 1.4851e-03],  
 [5.1487e+00, 2.0810e-03, 4.8575e-01],  
 [1.2269e+02, 1.2230e+00, 3.4219e+00],  
 [6.1950e+00, 6.5957e-03, 4.5811e-01],  
 [1.2035e+01, 2.1805e-02, 4.5863e-01],  
 [9.0963e+00, 3.0292e-02, 7.0672e-01],

[4.2986e+01, 7.9160e-01, 2.7354e+00],  
 [9.4440e-01, 3.1036e-04, 8.2128e-02],  
 [1.5123e-01, 1.2852e-05, 1.6648e-02],  
 [4.4226e+01, 6.4684e-01, 1.6431e+00],  
 [1.3464e+00, 6.3146e-04, 1.2508e-01],  
 [1.7098e+02, 7.0324e+00, 4.0162e+00],  
 [9.5680e+01, 3.9553e-01, 2.6640e+00],  
 [1.9468e+00, 4.9114e-04, 1.6829e-01],  
 [1.0548e+01, 6.1933e-03, 9.6042e-01],  
 [2.0458e-01, 4.1174e-06, 2.6439e-02],  
 [4.0577e-02, 9.3409e-07, 5.4661e-03],  
 [5.0867e+01, 1.9810e-01, 2.5964e+00],  
 [7.9583e+00, 4.7180e-03, 2.8872e-01],  
 [8.3042e-02, 2.4736e-06, 1.0816e-02],  
 [1.2641e+02, 3.5230e+00, 3.5668e+00],  
 [3.4820e+00, 2.1899e-03, 2.0057e-01],  
 [4.7994e+01, 1.0427e+00, 3.0334e+00],  
 [1.7368e-01, 1.1141e-05, 2.1695e-02],  
 [2.9916e-01, 2.8967e-05, 3.3870e-02],  
 [3.4468e+00, 4.7616e-03, 3.8714e-01],  
 [1.5581e+00, 7.6023e-04, 1.6156e-01],  
 [3.2697e+01, 8.3699e-02, 1.3734e+00],  
 [9.1913e+01, 2.3997e-01, 3.5085e+00],  
 [1.5641e+01, 3.7500e-02, 5.7886e-01],  
 [5.0338e+01, 2.1795e-01, 1.2649e+00],  
 [1.2617e+02, 2.1084e-01, 2.3565e+00],  
 [2.0355e+01, 1.4030e-02, 7.8739e-01],  
 [5.7535e+01, 4.8572e-01, 2.5771e+00],  
 [1.5321e-01, 4.7092e-06, 2.2231e-02],  
 [7.1020e-01, 1.3373e-04, 6.4385e-02],  
 [1.9847e+01, 4.0978e-02, 6.0580e-01],  
 [4.0944e+00, 6.6191e-03, 2.4481e-01],  
 [6.4587e+00, 5.6804e-03, 2.5629e-01],  
 [1.7071e+02, 5.2053e+00, 4.4426e+00],  
 [1.2522e+00, 3.9111e-04, 1.2514e-01],  
 [5.9875e+00, 1.0067e-02, 2.9359e-01],  
 [1.2913e+00, 1.5555e-04, 1.0975e-01],  
 [4.8123e+01, 6.6243e-01, 1.4307e+00],  
 [1.3239e+02, 2.4376e+00, 3.1944e+00],  
 [6.7523e-03, 5.7767e-08, 1.0289e-03],  
 [1.3271e+00, 3.5812e-04, 1.7996e-01],  
 [3.5347e-01, 5.7495e-05, 4.0067e-02],  
 [6.9327e-01, 2.4496e-04, 7.8567e-02],  
 [2.8253e+00, 4.4417e-03, 2.3621e-01],  
 [5.3691e+01, 4.4553e-01, 1.0843e+00],  
 [1.8491e+01, 8.0340e-02, 6.9750e-01],  
 [1.3847e+01, 4.5110e-02, 6.7900e-01],  
 [8.6032e-03, 1.4166e-07, 1.3313e-03],

[3.4324e+01, 1.1055e-02, 1.8591e+00],  
 [1.4362e+02, 3.8451e+00, 3.7138e+00],  
 [8.6905e-03, 2.3473e-08, 1.3371e-03],  
 [3.6732e-02, 2.3484e-07, 5.6352e-03],  
 [1.4439e-02, 8.9776e-08, 2.1952e-03],  
 [8.6395e-02, 1.8038e-06, 1.2099e-02],  
 [3.1589e+01, 2.5638e-01, 1.3123e+00],  
 [1.1659e+02, 8.5475e-01, 2.7865e+00],  
 [8.7236e+01, 1.0090e+00, 1.9908e+00],  
 [1.2096e+01, 2.2079e-02, 5.7395e-01],  
 [1.7977e-02, 1.7696e-08, 2.6625e-03],  
 [2.0062e+00, 3.1733e-03, 2.1329e-01],  
 [9.8817e+01, 4.0059e-01, 2.6280e+00],  
 [2.7025e+02, 2.0761e+00, 4.6154e+00],  
 [5.4812e-01, 2.1058e-04, 7.0512e-02],  
 [9.6610e+00, 2.9371e-02, 4.8238e-01],  
 [9.4177e-04, 8.7181e-10, 1.5285e-04],  
 [1.9150e-02, 1.2488e-07, 2.8473e-03],  
 [3.7358e-03, 5.6984e-09, 5.8801e-04],  
 [4.0074e+00, 1.5546e-03, 2.5255e-01],  
 [3.9100e+01, 2.2866e-01, 1.4266e+00],  
 [1.2486e+00, 3.8434e-05, 1.2502e-01],  
 [2.7640e+01, 9.4429e-02, 1.0103e+00],  
 [3.2836e-01, 2.6366e-05, 3.1760e-02],  
 [1.1145e+02, 7.1578e-01, 2.0552e+00],  
 [4.5370e+00, 1.4132e-02, 4.0376e-01],  
 [6.9971e+00, 8.2339e-03, 6.1375e-01],  
 [9.0645e+00, 2.9419e-02, 5.0460e-01],  
 [9.2639e+01, 3.2388e+00, 3.5542e+00],  
 [5.8559e+00, 1.9611e-02, 6.6686e-01],  
 [1.3581e+02, 2.2141e+00, 3.1733e+00],  
 [9.5620e+00, 1.8333e-02, 4.4826e-01],  
 [2.7410e-01, 2.0025e-05, 2.9150e-02],  
 [5.2638e-02, 1.4644e-07, 6.9472e-03],  
 [6.0716e+00, 6.7083e-03, 3.8798e-01],  
 [4.4574e-02, 1.4745e-06, 6.5006e-03],  
 [2.0623e+01, 1.4261e-02, 7.6013e-01],  
 [1.2988e-01, 1.0586e-05, 1.4350e-02],  
 [4.3645e-02, 1.5824e-06, 6.6628e-03],  
 [2.0146e+01, 2.9608e-02, 6.7867e-01],  
 [3.8126e-01, 2.5980e-05, 5.0134e-02],  
 [6.2600e-02, 9.8116e-07, 9.0676e-03],  
 [2.4272e+00, 1.2182e-03, 1.9097e-01],  
 [5.0040e+00, 5.0438e-03, 2.5028e-01],  
 [3.0510e-01, 2.6143e-05, 2.9287e-02],  
 [1.3031e+01, 2.0678e-02, 6.3303e-01],  
 [5.0019e+00, 4.1521e-03, 3.4779e-01],  
 [2.2823e+01, 2.0663e-02, 1.4637e+00],



[7.6116e+00, 1.2563e-02, 4.8805e-01],  
 [2.0306e+01, 1.4914e-01, 7.4434e-01],  
 [2.0423e+01, 4.3610e-02, 8.8694e-01],  
 [1.3246e+01, 2.8117e-03, 7.1497e-01],  
 [1.3076e+02, 7.6062e-01, 4.4260e+00],  
 [3.3209e+01, 2.9404e-01, 2.1562e+00],  
 [1.2922e+02, 1.5733e+00, 3.4320e+00],  
 [1.1273e-01, 2.4746e-07, 1.2763e-02],  
 [2.7243e+01, 8.5887e-02, 1.1881e+00],  
 [4.9262e+01, 7.0300e-01, 1.6494e+00],  
 [8.5548e-02, 5.6999e-07, 1.1002e-02],  
 [1.0517e-01, 1.6233e-05, 1.5537e-02],  
 [6.8726e+00, 3.9828e-02, 6.2021e-01],  
 [1.7849e+00, 1.2078e-04, 9.8034e-02],  
 [1.1951e-01, 2.1182e-06, 1.4463e-02],  
 [4.1007e-01, 7.2312e-05, 3.8617e-02],  
 [4.4860e+01, 2.8793e-01, 2.1096e+00],  
 [4.5532e+01, 4.7787e-01, 1.4766e+00],  
 [8.6930e-02, 3.6947e-06, 1.1762e-02],  
 [4.2615e-02, 6.1053e-07, 6.5173e-03],  
 [2.6377e+00, 6.3356e-04, 2.4652e-01],  
 [2.6929e+01, 1.2870e-01, 1.1206e+00],  
 [8.0253e+01, 4.4465e-02, 3.2990e+00],  
 [9.4754e+00, 1.7984e-02, 4.0743e-01],  
 [2.9829e+00, 1.9858e-03, 2.1808e-01],  
 [1.2585e+01, 5.0750e-02, 9.0511e-01],  
 [7.0871e+00, 1.1479e-03, 3.9144e-01],  
 [2.1764e+01, 3.3993e-02, 1.5587e+00],  
 [3.8285e+01, 2.7178e-01, 1.4468e+00],  
 [2.8793e+00, 1.8009e-03, 2.5206e-01],  
 [1.0898e+01, 2.1108e-03, 4.8047e-01],  
 [8.2298e+00, 1.3714e-02, 3.3547e-01],  
 [4.4053e+01, 2.3292e-01, 1.1334e+00],  
 [8.2804e-01, 2.9117e-04, 7.3572e-02],  
 [5.2861e+00, 5.2139e-03, 2.5042e-01],  
 [1.5269e-01, 1.8050e-05, 2.2561e-02],  
 [3.1032e+01, 2.2702e-01, 1.5157e+00],  
 [6.1406e+00, 1.2974e-03, 2.3187e-01],  
 [1.5203e+02, 7.6759e-01, 4.5987e+00],  
 [3.6210e-02, 7.4540e-07, 5.4912e-03],  
 [8.2749e+00, 1.9969e-02, 4.0532e-01],  
 [1.0596e+02, 9.8203e-01, 3.3407e+00],  
 [1.0330e+00, 1.0336e-03, 1.3055e-01],  
 [2.2383e+01, 5.5732e-02, 1.0731e+00],  
 [2.8937e+01, 1.7621e-01, 1.3112e+00],  
 [4.8995e+00, 5.0009e-03, 2.6548e-01],  
 [1.2405e+01, 1.1537e-02, 6.3111e-01],  
 [1.1452e-01, 2.5147e-07, 1.4940e-02],

[4.3671e-01, 4.9547e-05, 3.4672e-02],  
 [1.1603e-02, 1.0982e-07, 1.7810e-03],  
 [9.8305e-03, 1.2054e-08, 1.5176e-03],  
 [9.0019e+00, 1.6217e-02, 4.6629e-01],  
 [7.1622e+00, 4.6662e-03, 3.3026e-01],  
 [2.6243e+00, 7.7483e-03, 3.2730e-01],  
 [3.6583e+00, 3.9842e-03, 2.9770e-01],  
 [8.6762e-02, 3.3707e-07, 1.1493e-02],  
 [4.5827e-01, 8.9843e-05, 5.7922e-02],  
 [2.4837e+00, 2.2319e-03, 1.7140e-01],  
 [1.3726e-01, 6.2223e-06, 1.6585e-02],  
 [7.5700e-04, 2.7965e-10, 1.2401e-04],  
 [1.4166e+01, 2.8553e-02, 1.0772e+00],  
 [2.3915e+00, 2.6094e-03, 3.0970e-01],  
 [1.9151e+02, 7.0403e+00, 4.9263e+00],  
 [1.2184e-03, 8.9471e-10, 1.9709e-04],  
 [7.9620e-02, 1.3858e-06, 1.0878e-02],  
 [2.8191e+00, 6.3776e-04, 1.8118e-01],  
 [8.1369e-01, 5.2819e-04, 9.5426e-02],  
 [1.3421e-01, 1.9434e-06, 1.7731e-02],  
 [1.3126e-02, 3.5873e-08, 2.0349e-03],  
 [7.2985e+01, 9.8355e-01, 2.5839e+00],  
 [2.2621e+02, 6.4750e+00, 4.1453e+00],  
 [1.9587e+00, 2.5916e-04, 2.1523e-01],  
 [3.4952e+01, 8.3270e-02, 9.5778e-01],  
 [3.6282e-02, 1.1347e-07, 4.8591e-03],  
 [7.7062e+01, 5.2959e-01, 2.1744e+00],  
 [4.8085e+00, 6.9770e-03, 4.9248e-01],  
 [1.5536e-02, 4.6928e-08, 2.4595e-03],  
 [2.8135e+00, 3.3943e-04, 2.8824e-01],  
 [2.1762e-01, 1.7121e-05, 3.1525e-02],  
 [1.8436e-01, 1.5072e-05, 2.2251e-02],  
 [4.9669e+01, 4.4246e-01, 1.3159e+00],  
 [1.9971e+02, 5.8527e+00, 3.4670e+00],  
 [1.8783e-01, 3.0029e-06, 2.2285e-02],  
 [1.2606e-01, 2.3518e-06, 1.4403e-02],  
 [1.0423e+00, 1.3336e-04, 8.7013e-02],  
 [1.1858e-01, 1.2421e-05, 1.4988e-02],  
 [3.2499e+01, 2.2829e-01, 1.7151e+00],  
 [4.4081e+00, 5.5330e-03, 2.5324e-01],  
 [1.0367e+01, 2.1435e-02, 6.5634e-01],  
 [1.3891e+01, 7.6207e-03, 4.8915e-01],  
 [2.1321e-02, 2.3285e-07, 3.1367e-03],  
 [5.1178e+01, 1.5321e-01, 1.8086e+00],  
 [3.2194e+01, 7.5392e-02, 2.1534e+00],  
 [1.0697e+02, 1.6771e+00, 2.3579e+00],  
 [7.9381e+00, 2.9115e-02, 6.8578e-01],  
 [1.8946e+01, 2.6621e-03, 5.4077e-01],

[1.2747e-01, 1.2801e-05, 1.4082e-02],  
 [1.1448e-01, 1.4079e-06, 1.4035e-02],  
 [2.6118e+01, 1.2423e-01, 1.5184e+00],  
 [8.9144e-01, 2.7658e-04, 7.1852e-02],  
 [4.7891e+00, 1.4550e-02, 3.7042e-01],  
 [8.3539e+00, 1.6904e-02, 4.5380e-01],  
 [3.6591e-01, 4.0245e-06, 3.1996e-02],  
 [5.1039e+01, 5.0337e-01, 1.4588e+00],  
 [8.5093e+00, 2.2613e-02, 5.2042e-01],  
 [3.6003e-02, 1.0494e-06, 5.1341e-03],  
 [3.1565e-01, 3.4299e-05, 4.3474e-02],  
 [7.9984e-01, 2.4357e-05, 7.3311e-02],  
 [9.7925e-01, 5.0919e-05, 7.1723e-02],  
 [4.5189e+01, 4.0667e-01, 1.0416e+00],  
 [2.2223e+00, 2.2405e-03, 1.9612e-01],  
 [1.4095e+02, 8.5384e-01, 3.6383e+00],  
 [4.7791e+00, 2.2870e-02, 4.8168e-01],  
 [2.1078e+00, 4.7990e-04, 1.8515e-01],  
 [8.5596e+01, 6.4019e-02, 1.7521e+00],  
 [3.9284e-01, 3.3204e-05, 3.0518e-02],  
 [1.4944e+01, 4.6079e-02, 5.2981e-01],  
 [4.8896e-02, 4.3747e-07, 7.0450e-03],  
 [1.0594e+02, 1.5483e+00, 3.4974e+00],  
 [1.2180e-02, 1.4438e-07, 1.8312e-03],  
 [6.6152e-01, 1.2174e-04, 7.8610e-02],  
 [3.1695e-02, 4.0408e-07, 5.0415e-03],  
 [7.8021e-01, 3.0870e-04, 9.8662e-02],  
 [1.1733e+01, 2.9230e-02, 4.6784e-01],  
 [3.3623e+02, 9.5807e+00, 4.9138e+00],  
 [1.1129e+01, 1.8338e-02, 5.3981e-01],  
 [3.7824e+01, 2.9134e-01, 1.3509e+00],  
 [1.9046e+02, 1.8763e-01, 3.5102e+00],  
 [1.1565e+00, 1.0412e-04, 9.3374e-02],  
 [5.9231e+01, 1.8541e-01, 2.9041e+00],  
 [4.9714e-01, 3.7195e-05, 4.3426e-02],  
 [5.4530e-02, 9.5774e-07, 7.1225e-03],  
 [1.2228e+00, 7.2483e-05, 9.1802e-02],  
 [4.4047e-03, 4.4509e-09, 6.9159e-04],  
 [3.1015e-01, 3.5970e-05, 3.0564e-02],  
 [1.6773e+01, 5.9424e-03, 1.0801e+00],  
 [1.0944e+01, 1.5876e-02, 4.4083e-01],  
 [4.2716e+01, 3.5043e-01, 1.8044e+00],  
 [9.0484e+00, 1.8929e-02, 4.3228e-01],  
 [5.1514e+01, 6.9300e-01, 1.8088e+00],  
 [4.5252e-01, 8.9544e-06, 4.4650e-02],  
 [5.9658e-01, 1.5896e-04, 6.9489e-02],  
 [1.8687e+01, 8.0423e-03, 1.7933e+00],  
 [1.7321e+00, 2.3952e-04, 1.0188e-01],

```

[2.1707e+01, 1.3196e-01, 8.6973e-01],
[1.3601e-01, 1.4849e-06, 1.7134e-02],
[3.9971e-01, 1.1584e-04, 5.9607e-02],
[1.4540e-01, 5.7958e-06, 1.7056e-02],
[3.8292e-01, 2.2662e-05, 4.7639e-02],
[4.0244e+00, 1.7834e-02, 4.6493e-01],
[1.6428e+02, 1.7099e-01, 2.8004e+00],
[2.7096e-01, 5.6082e-06, 3.1624e-02],
[3.9369e+00, 1.0073e-03, 2.2501e-01],
[6.4015e+01, 1.1667e-01, 2.3785e+00],
[4.4911e+00, 2.9709e-03, 3.9922e-01],
[1.0441e+02, 2.3485e+00, 2.4747e+00],
[6.4847e+01, 1.2560e+00, 1.7929e+00],
[5.5428e-02, 1.0199e-06, 7.9807e-03],
[2.8737e-01, 3.4984e-05, 3.0385e-02],
[7.8535e+00, 6.2212e-03, 4.5796e-01],
[5.2224e+00, 3.4635e-03, 2.2610e-01],
[4.6806e+00, 5.4331e-03, 2.7900e-01],
[5.6117e-02, 6.7957e-07, 8.0669e-03],
[3.2003e+02, 9.3318e-01, 4.7960e+00],
[2.0938e+01, 8.9394e-03, 1.3819e+00],
[4.9257e+01, 2.0250e-01, 1.5398e+00],
[1.3088e+00, 7.4550e-04, 1.4865e-01],
[5.2578e-02, 7.4442e-07, 6.7527e-03],
[3.9270e+00, 2.4145e-03, 3.9400e-01],
[1.8553e+01, 1.5524e-01, 1.3288e+00],
[2.9449e+01, 1.6693e-01, 2.4435e+00],
[2.6643e+01, 4.6127e-02, 7.6982e-01]], dtype=torch.float64)
Iteration: 120
Inputs: tensor([[3.3705e+20, 4.4135e+02, 9.9662e+00, 9.5563e+00],
               [3.4780e+19, 5.0846e+01, 2.9811e+00, 6.9195e+00],
               [3.7551e+18, 7.5853e+01, 6.0603e+00, 6.3688e+00],
               ...,
               [1.0386e+18, 7.3725e+01, 6.3829e+00, 6.4212e+00],
               [3.1234e+20, 2.1983e+02, 8.4024e+00, 2.8953e+00],
               [5.3497e+19, 2.5166e+01, 1.6754e+01, 7.0310e+00]], dtype=torch.float64)
Target: tensor([[1.3807e+02, 3.8393e+00, 2.8640e+00],
               [3.5874e+00, 3.1617e-03, 3.2372e-01],
               [1.2332e-01, 5.9962e-06, 1.6333e-02],
               [8.7088e+01, 2.1879e-01, 3.3314e+00],
               [6.3861e-01, 1.0162e-04, 6.6789e-02],
               [5.8298e-02, 5.9687e-07, 8.6457e-03],
               [6.1167e-02, 2.4486e-06, 8.8049e-03],
               [1.3434e+01, 2.5606e-02, 7.1405e-01],
               [2.7396e+00, 1.1314e-03, 2.1274e-01],
               [1.6740e+00, 1.0997e-03, 1.7876e-01],
               [1.1432e-02, 1.5809e-08, 1.7003e-03],
               [1.3589e+01, 5.4482e-03, 5.8290e-01],

```

[1.2430e+00, 1.6695e-05, 9.7266e-02],  
 [6.0560e-03, 1.9518e-08, 9.4748e-04],  
 [1.2553e+02, 3.2056e-01, 2.0630e+00],  
 [1.7126e+00, 2.8263e-04, 9.8623e-02],  
 [9.1126e-01, 2.6793e-04, 8.4474e-02],  
 [7.1714e-02, 1.6572e-06, 1.0139e-02],  
 [1.7355e+00, 6.6916e-04, 1.4051e-01],  
 [1.8041e+01, 1.2295e-02, 7.0577e-01],  
 [1.9503e+00, 8.5740e-04, 1.7701e-01],  
 [1.6347e+00, 4.1694e-04, 1.2961e-01],  
 [1.3357e-01, 7.6191e-06, 1.6387e-02],  
 [7.0219e-01, 2.0849e-04, 5.6733e-02],  
 [7.8192e-01, 9.6252e-05, 5.5336e-02],  
 [4.9088e-01, 1.7397e-05, 4.5772e-02],  
 [9.8551e+00, 8.0944e-03, 9.1331e-01],  
 [3.7884e-01, 1.5030e-04, 4.8408e-02],  
 [3.7160e+00, 5.2507e-04, 1.9078e-01],  
 [3.8294e-01, 2.2169e-04, 5.1267e-02],  
 [1.8699e-01, 5.0540e-06, 2.1793e-02],  
 [9.3030e+00, 2.5445e-02, 4.6682e-01],  
 [3.7468e+01, 1.4598e-01, 1.4566e+00],  
 [9.7980e+01, 2.0240e+00, 2.8869e+00],  
 [6.4735e+01, 7.1041e-02, 1.7932e+00],  
 [2.9909e-02, 1.1209e-06, 4.5501e-03],  
 [1.4480e+01, 6.1070e-02, 6.5972e-01],  
 [8.7084e-01, 4.2180e-04, 9.7403e-02],  
 [8.8551e+01, 1.4592e+00, 3.3461e+00],  
 [1.1094e+01, 2.5218e-02, 5.4098e-01],  
 [2.6243e-02, 5.3976e-07, 3.6727e-03],  
 [3.1326e+00, 1.8612e-03, 2.1618e-01],  
 [2.6040e+01, 1.5449e-01, 7.5440e-01],  
 [2.1430e-02, 3.3014e-07, 3.1322e-03],  
 [9.6924e-02, 7.7314e-06, 1.2595e-02],  
 [2.0159e-02, 4.7264e-07, 2.9702e-03],  
 [5.0087e+01, 1.3755e-01, 3.1270e+00],  
 [9.9223e+00, 3.7124e-02, 7.2813e-01],  
 [1.1039e+01, 1.1491e-02, 3.5752e-01],  
 [4.7684e+01, 3.7236e-01, 2.0230e+00],  
 [3.6366e+01, 3.6202e-01, 1.2865e+00],  
 [2.0448e+00, 8.6694e-04, 1.3281e-01],  
 [3.7686e+01, 1.9807e-01, 2.0175e+00],  
 [9.1096e+01, 1.3405e-01, 2.5950e+00],  
 [9.9143e+01, 1.5633e+00, 3.8183e+00],  
 [8.0263e+00, 2.8243e-03, 4.2047e-01],  
 [1.6085e+02, 3.2104e+00, 3.2757e+00],  
 [7.8448e-03, 1.4241e-08, 1.2266e-03],  
 [1.6826e+01, 1.5930e-02, 7.3120e-01],  
 [2.5620e+01, 4.4181e-02, 7.6532e-01],

[1.3052e+00, 7.7902e-04, 9.3998e-02],  
[3.1345e-01, 8.1375e-07, 2.7217e-02],  
[4.8207e+01, 6.6219e-01, 1.9113e+00],  
[3.9308e-01, 3.0996e-05, 4.5188e-02],  
[1.0322e+02, 5.3600e-01, 2.5386e+00],  
[7.2396e+00, 3.5633e-04, 3.9463e-01],  
[3.4025e-01, 5.3646e-05, 3.0709e-02],  
[8.2395e+01, 7.8205e-01, 3.8815e+00],  
[2.6276e+01, 6.7064e-02, 1.4121e+00],  
[6.2726e+01, 6.3299e-01, 1.8067e+00],  
[7.9072e+00, 1.5162e-02, 4.9559e-01],  
[3.4146e-01, 8.0883e-06, 3.4149e-02],  
[3.1731e-01, 2.4950e-05, 4.1164e-02],  
[1.0779e+01, 3.8222e-02, 5.9042e-01],  
[5.7806e+00, 6.2605e-03, 5.3106e-01],  
[2.1790e+01, 9.7663e-02, 1.7121e+00],  
[1.8493e+01, 7.8866e-02, 1.2895e+00],  
[6.0392e+01, 9.8700e-01, 2.0081e+00],  
[9.4128e+00, 8.5993e-03, 5.3356e-01],  
[1.2913e+01, 1.4663e-02, 5.3702e-01],  
[9.1287e+00, 9.4045e-03, 9.2241e-01],  
[3.7069e+01, 1.4900e-01, 1.1447e+00],  
[1.1114e+01, 5.1204e-02, 6.2062e-01],  
[9.0508e-01, 1.2964e-04, 5.5710e-02],  
[7.7672e+01, 1.3445e+00, 3.7265e+00],  
[9.1082e+01, 1.1171e+00, 2.3577e+00],  
[5.8860e-01, 4.6402e-05, 4.0728e-02],  
[7.1300e+01, 6.1492e-01, 2.6331e+00],  
[1.4103e+00, 9.0368e-04, 1.4621e-01],  
[6.3925e-02, 1.9181e-06, 8.9873e-03],  
[1.8099e+01, 1.2813e-01, 1.3617e+00],  
[6.5246e+01, 2.7047e-01, 1.9072e+00],  
[1.7150e+01, 5.7427e-02, 6.0062e-01],  
[1.2863e+01, 3.1252e-02, 9.5857e-01],  
[2.8507e-02, 1.1964e-06, 3.9898e-03],  
[2.1527e+00, 1.2990e-03, 2.0841e-01],  
[1.5410e+00, 2.2101e-04, 1.2022e-01],  
[6.1933e+00, 2.1085e-02, 5.0360e-01],  
[4.4546e+00, 5.4120e-03, 2.9302e-01],  
[8.0833e+01, 1.0417e+00, 2.7291e+00],  
[1.5899e+02, 7.0539e+00, 4.7070e+00],  
[1.6880e-01, 1.2428e-05, 2.1804e-02],  
[2.3691e+02, 7.9074e+00, 4.7593e+00],  
[2.6787e-01, 3.6035e-05, 2.7614e-02],  
[3.2540e+01, 4.1038e-02, 1.5484e+00],  
[1.1573e+02, 1.3374e+00, 3.2253e+00],  
[5.0222e+01, 6.7484e-01, 1.4787e+00],  
[9.9035e+01, 4.7078e-01, 3.5392e+00],

[3.1794e-04, 1.2029e-11, 5.2170e-05],  
[1.1318e+00, 2.3027e-03, 1.4118e-01],  
[5.5018e+00, 5.8995e-03, 3.3452e-01],  
[1.1242e-01, 7.1484e-06, 1.2633e-02],  
[9.8017e+01, 7.7812e-01, 3.6019e+00],  
[4.0094e-01, 4.3734e-05, 3.9829e-02],  
[2.3741e+02, 7.2808e-01, 4.2740e+00],  
[1.4342e-01, 4.6045e-06, 1.5528e-02],  
[5.7815e+01, 1.4757e-01, 2.1573e+00],  
[9.8799e-02, 4.7335e-06, 1.2611e-02],  
[8.9172e+01, 1.7047e+00, 3.8203e+00],  
[1.5133e+02, 1.9050e+00, 3.3893e+00],  
[6.3333e+00, 6.9035e-03, 3.7466e-01],  
[5.4163e-01, 6.0280e-05, 5.8768e-02],  
[2.5011e+00, 4.5219e-04, 2.1323e-01],  
[2.9366e+01, 1.4837e-01, 1.2137e+00],  
[3.2022e+00, 3.3279e-03, 2.1364e-01],  
[1.3882e+00, 3.4657e-04, 8.3530e-02],  
[1.0267e+01, 1.8732e-02, 4.9962e-01],  
[1.4183e+00, 3.0642e-04, 1.0577e-01],  
[1.7526e+00, 6.3034e-04, 1.4738e-01],  
[2.7773e-02, 6.2788e-08, 4.1864e-03],  
[4.4769e-01, 3.5403e-05, 5.1196e-02],  
[3.8887e+01, 2.0012e-01, 1.7341e+00],  
[1.9347e+01, 4.2615e-02, 1.0939e+00],  
[3.0587e-01, 3.6063e-05, 3.2013e-02],  
[1.8326e+02, 6.8687e+00, 3.6121e+00],  
[4.0383e+00, 1.5282e-04, 1.8429e-01],  
[5.9226e+01, 1.7067e-01, 3.3180e+00],  
[1.5774e+00, 4.7199e-04, 1.2058e-01],  
[7.4371e+01, 3.8785e-01, 2.5106e+00],  
[8.9575e+01, 2.1246e+00, 2.7425e+00],  
[4.7798e+01, 1.5594e-01, 1.3478e+00],  
[4.3131e-01, 1.3958e-04, 4.3689e-02],  
[7.0705e+01, 2.7247e-01, 1.2665e+00],  
[4.5791e-01, 1.1334e-04, 4.8068e-02],  
[9.1269e+01, 1.3341e+00, 3.6082e+00],  
[9.5295e+01, 1.2856e+00, 2.3927e+00],  
[7.5560e+01, 1.7066e+00, 2.2625e+00],  
[3.2200e+01, 3.9791e-01, 1.1095e+00],  
[9.2916e+00, 1.7873e-02, 3.5664e-01],  
[5.1238e+01, 2.5928e-01, 2.8870e+00],  
[1.6101e+02, 3.9662e+00, 3.8016e+00],  
[3.5313e-01, 1.6786e-04, 4.8418e-02],  
[9.4675e+01, 1.1979e+00, 3.9226e+00],  
[4.0784e-01, 9.8660e-05, 4.4735e-02],  
[4.2779e-01, 2.5883e-05, 4.8180e-02],  
[1.2591e+02, 2.4177e+00, 4.3871e+00],

[5.9397e+01, 2.9604e-01, 2.6418e+00],  
 [3.0824e+00, 6.8994e-03, 3.7259e-01],  
 [2.0034e+01, 1.2551e-01, 1.2348e+00],  
 [8.2566e+00, 1.0737e-02, 5.0882e-01],  
 [2.7319e-01, 2.4638e-05, 2.5957e-02],  
 [4.3382e+01, 6.5688e-01, 1.3826e+00],  
 [2.0277e+01, 1.2135e-01, 1.1874e+00],  
 [1.9068e+00, 8.1339e-05, 1.1436e-01],  
 [2.7105e+00, 7.9732e-04, 1.2988e-01],  
 [2.0030e+00, 1.9635e-04, 1.1617e-01],  
 [1.3579e+00, 6.8594e-04, 1.2067e-01],  
 [5.3883e+01, 9.5388e-01, 1.8109e+00],  
 [5.3759e+01, 3.1245e-01, 1.2375e+00],  
 [6.2431e+00, 7.1606e-03, 5.1862e-01],  
 [1.6979e+02, 4.0242e+00, 3.3494e+00],  
 [4.9355e+00, 1.0378e-03, 2.3543e-01],  
 [2.6496e+01, 1.0474e-01, 1.1711e+00],  
 [2.6045e+00, 5.8246e-04, 2.2476e-01],  
 [7.8491e+01, 1.2524e+00, 2.3995e+00],  
 [1.1745e+01, 4.4063e-03, 4.6600e-01],  
 [2.6177e-01, 2.1650e-05, 3.2099e-02],  
 [5.8803e+01, 1.8566e-01, 1.8553e+00],  
 [1.8735e+02, 3.0159e-01, 4.6609e+00],  
 [8.6067e+01, 1.5149e+00, 1.9313e+00],  
 [2.0146e+01, 5.3635e-03, 7.9231e-01],  
 [8.8653e-01, 9.9523e-05, 1.1257e-01],  
 [2.1564e+01, 2.7785e-02, 9.7641e-01],  
 [1.7077e-01, 5.1810e-06, 1.7650e-02],  
 [1.5589e+01, 2.1096e-03, 5.9003e-01],  
 [3.6097e-02, 1.5217e-07, 5.3164e-03],  
 [1.4267e-01, 4.0997e-06, 1.8486e-02],  
 [3.2576e+01, 3.8534e-01, 1.9247e+00],  
 [2.0227e+00, 4.9338e-05, 1.3780e-01],  
 [2.2297e+01, 2.0274e-01, 9.9724e-01],  
 [8.1511e+01, 2.3317e+00, 2.5602e+00],  
 [1.9009e+02, 4.5211e-01, 4.7760e+00],  
 [5.2670e-01, 5.7493e-06, 5.2183e-02],  
 [2.8201e-02, 3.5206e-07, 4.1419e-03],  
 [4.0384e+00, 8.0905e-03, 2.9621e-01],  
 [1.0650e+02, 1.6697e+00, 1.9715e+00],  
 [4.9510e-01, 1.1308e-04, 5.9279e-02],  
 [4.1097e+01, 2.2581e-01, 1.0256e+00],  
 [3.4640e+00, 2.5892e-03, 1.9636e-01],  
 [2.4374e+02, 7.8040e+00, 4.6500e+00],  
 [2.4136e+01, 2.0290e-02, 1.0353e+00],  
 [3.1537e-01, 4.6358e-07, 2.6995e-02],  
 [1.7090e-01, 4.4594e-05, 2.3863e-02],  
 [2.4888e-01, 3.3152e-05, 2.5184e-02],



[2.7914e+01, 1.8480e-01, 1.4372e+00],  
 [2.3377e+01, 6.8658e-03, 1.0702e+00],  
 [8.7700e+01, 1.1522e+00, 2.9507e+00],  
 [3.3132e+01, 4.3145e-01, 1.8692e+00],  
 [2.4379e+00, 6.0146e-03, 2.9482e-01],  
 [7.1820e+00, 8.0541e-04, 4.7555e-01],  
 [8.2255e+01, 6.7914e-01, 1.6444e+00],  
 [7.4852e+00, 8.5904e-03, 4.1018e-01],  
 [4.1538e+01, 4.1064e-01, 1.1492e+00],  
 [2.7922e-03, 9.8209e-09, 4.4562e-04],  
 [1.3667e-02, 2.3798e-08, 2.0837e-03],  
 [3.7889e+01, 2.6626e-01, 1.3821e+00],  
 [2.2367e+00, 4.7394e-04, 1.5287e-01],  
 [5.8293e+00, 5.2699e-03, 4.1433e-01],  
 [5.8498e+01, 7.2542e-02, 1.4529e+00],  
 [4.1283e+00, 2.0294e-03, 2.6111e-01],  
 [2.0190e+00, 1.2487e-03, 2.3072e-01],  
 [8.7954e+00, 1.3026e-02, 4.9365e-01],  
 [6.3309e+01, 6.8735e-01, 1.8504e+00],  
 [4.7804e+01, 4.8249e-01, 2.1926e+00],  
 [4.4041e+01, 1.8716e-01, 1.9993e+00],  
 [1.2184e+01, 1.9027e-02, 4.8219e-01],  
 [6.6678e+00, 2.1531e-02, 7.3743e-01],  
 [2.5219e+01, 1.5647e-01, 8.6660e-01],  
 [1.6148e+00, 1.9879e-04, 2.0373e-01],  
 [2.4030e+00, 5.7277e-03, 2.5931e-01],  
 [9.5064e+00, 2.8854e-02, 7.3828e-01],  
 [9.4342e+01, 3.5142e+00, 4.0744e+00],  
 [8.7694e+00, 2.2522e-02, 6.8589e-01],  
 [7.5139e+00, 9.3902e-03, 4.5239e-01],  
 [1.2536e-02, 2.9335e-08, 1.9429e-03],  
 [1.4995e+02, 2.3751e+00, 4.1426e+00],  
 [1.6402e-01, 1.4098e-05, 1.7205e-02],  
 [9.1272e+00, 6.8252e-03, 8.0121e-01],  
 [1.8231e+01, 1.0773e-01, 9.9425e-01],  
 [5.3744e-01, 2.8349e-05, 3.7777e-02],  
 [2.7978e+01, 1.8803e-01, 8.4174e-01],  
 [2.7249e+01, 5.8503e-03, 7.9500e-01],  
 [3.8588e-01, 3.5229e-05, 3.7991e-02],  
 [1.6768e+01, 8.0544e-02, 6.7553e-01],  
 [2.8733e-01, 3.2842e-05, 3.8183e-02],  
 [1.1186e+00, 3.8529e-04, 1.1256e-01],  
 [7.0506e-01, 8.7368e-05, 6.2413e-02],  
 [7.6880e+01, 5.5604e-01, 1.7157e+00],  
 [5.2667e+01, 4.6413e-01, 2.2112e+00],  
 [1.1677e+00, 6.6190e-04, 1.1989e-01],  
 [3.2893e-01, 2.6021e-06, 2.6574e-02],  
 [7.0314e-01, 3.3379e-05, 6.1905e-02],

[5.2495e-01, 1.1351e-04, 4.5954e-02],  
 [5.9692e-02, 3.0202e-06, 8.5664e-03],  
 [1.1479e+01, 3.3099e-02, 7.7677e-01],  
 [4.6840e+01, 2.4007e-01, 2.9583e+00],  
 [2.0066e+01, 2.1534e-02, 7.5338e-01],  
 [1.1745e+02, 2.1957e-01, 2.8451e+00],  
 [2.8964e+01, 7.6570e-02, 2.1451e+00],  
 [7.5401e+01, 3.0471e-01, 2.3040e+00],  
 [2.9672e+01, 3.2729e-02, 1.0515e+00],  
 [1.6644e+02, 4.0124e+00, 4.2654e+00],  
 [4.7026e-02, 3.3622e-07, 6.3956e-03],  
 [3.3426e-02, 1.1256e-07, 4.8331e-03],  
 [5.8768e+01, 4.3805e-01, 1.8711e+00],  
 [4.2630e-03, 4.1165e-09, 6.7222e-04],  
 [5.3764e+01, 2.7581e-01, 2.4671e+00],  
 [1.4020e+01, 1.0024e-02, 9.3261e-01],  
 [1.5192e+01, 3.9843e-02, 7.8094e-01],  
 [5.3526e-02, 1.1157e-06, 7.0158e-03],  
 [4.4635e-01, 6.2869e-05, 4.1014e-02],  
 [3.5968e-01, 6.9684e-05, 3.8287e-02],  
 [1.1833e+01, 1.3525e-02, 1.0264e+00],  
 [2.2349e+01, 1.8959e-01, 1.3164e+00],  
 [1.0092e+01, 6.6681e-03, 8.3625e-01],  
 [3.2478e-01, 3.8581e-05, 3.8805e-02],  
 [2.4672e+01, 1.3336e-01, 7.3288e-01],  
 [8.8337e-01, 6.1750e-05, 8.5753e-02],  
 [7.6972e+00, 1.2912e-02, 4.3011e-01],  
 [4.2807e+01, 1.5890e-01, 1.4660e+00],  
 [6.9252e-01, 2.0705e-04, 7.9377e-02],  
 [4.3536e+01, 5.0706e-01, 2.5809e+00],  
 [1.0820e+00, 2.0769e-04, 9.5234e-02],  
 [3.6692e+00, 3.0231e-03, 3.2550e-01],  
 [1.6190e+01, 8.1613e-02, 9.1422e-01],  
 [1.5996e+01, 2.0943e-03, 6.6235e-01],  
 [1.2902e-01, 4.7905e-06, 1.7797e-02],  
 [5.3568e-02, 7.0525e-07, 8.2443e-03],  
 [1.7329e+01, 8.5143e-02, 7.2050e-01],  
 [4.2558e+01, 1.2670e-01, 1.2996e+00],  
 [7.8553e-01, 1.2813e-04, 8.1458e-02],  
 [6.1130e+01, 5.9626e-01, 1.9456e+00],  
 [9.3654e+01, 1.2254e+00, 2.5083e+00],  
 [9.0559e-01, 6.1768e-05, 5.0464e-02],  
 [4.8479e-01, 1.3200e-04, 5.3651e-02],  
 [4.2185e-01, 1.6005e-05, 4.2029e-02],  
 [1.5853e+00, 1.1828e-04, 1.1582e-01],  
 [3.9649e+01, 4.1597e-01, 2.3088e+00],  
 [4.0791e+01, 3.6171e-01, 2.6913e+00],  
 [5.0310e+00, 2.7984e-03, 3.5187e-01],

```

[2.6619e-01, 3.7734e-05, 2.6956e-02],
[1.7529e+00, 2.7738e-04, 1.2394e-01],
[6.2986e+00, 1.4502e-02, 5.1975e-01],
[5.7227e-01, 1.5598e-04, 6.2792e-02],
[2.3536e-02, 1.6700e-07, 3.6258e-03],
[1.0067e+02, 8.8808e-01, 4.0534e+00],
[7.4818e+00, 2.2397e-02, 4.6808e-01],
[2.3789e-01, 1.2309e-05, 3.2620e-02],
[1.9702e+01, 8.1507e-02, 6.5274e-01],
[1.2012e+01, 5.2193e-03, 8.4650e-01],
[1.2692e-01, 1.0685e-05, 1.8180e-02],
[7.8885e+01, 1.1733e+00, 1.9201e+00],
[7.4352e+00, 2.5307e-02, 3.9487e-01],
[1.6966e+00, 4.6748e-04, 1.4442e-01],
[3.1592e-02, 8.5439e-07, 4.5981e-03],
[2.4160e+01, 8.7910e-02, 1.4358e+00],
[3.5949e-01, 5.4150e-05, 3.9478e-02],
[1.2454e-02, 8.0873e-08, 1.8355e-03],
[4.9351e+01, 1.2953e-01, 2.2668e+00],
[4.8441e-01, 3.5061e-04, 6.7420e-02]], dtype=torch.float64)
Iteration: 121
Inputs: tensor([[4.8263e+19, 1.1165e+02, 1.0312e+01, 9.1416e+00],
               [4.7198e+19, 2.6915e+01, 1.8190e+01, 8.3001e+00],
               [1.8403e+19, 5.4706e+01, 1.8420e+01, 8.8003e+00],
               ...,
               [3.3003e+20, 7.2845e+01, 1.2569e+01, 8.5230e+00],
               [2.4738e+19, 9.3509e+01, 1.3521e+01, 3.2994e+00],
               [3.8454e+19, 3.9686e+02, 1.4079e+01, 7.3261e+00]], dtype=torch.float64)
Target: tensor([[9.5978e+00, 4.0496e-02, 6.2162e-01],
               [4.9729e-01, 4.5935e-04, 6.8528e-02],
               [4.1513e-01, 2.5031e-04, 5.4598e-02],
               [4.4410e+01, 9.5121e-02, 2.9577e+00],
               [3.4020e-01, 5.7926e-05, 3.8892e-02],
               [2.3764e-02, 7.3041e-07, 3.5764e-03],
               [3.0656e-01, 1.8809e-06, 3.3831e-02],
               [9.0646e+01, 5.8112e-01, 2.9352e+00],
               [5.8369e-01, 9.5434e-05, 6.1893e-02],
               [2.7465e-01, 5.8773e-06, 2.7094e-02],
               [1.4101e+00, 3.6909e-04, 1.2639e-01],
               [3.1730e+01, 1.1630e-01, 1.4987e+00],
               [3.7293e+01, 2.7831e-01, 1.3863e+00],
               [2.6916e-01, 1.4275e-05, 4.0827e-02],
               [4.3912e+01, 1.1476e-01, 1.7098e+00],
               [1.1590e+01, 7.7517e-04, 4.7022e-01],
               [7.2727e+01, 2.3945e-01, 3.3087e+00],
               [2.3232e+01, 8.6559e-02, 1.7199e+00],
               [3.4028e+01, 6.4157e-02, 1.7326e+00],
               [1.4521e-01, 1.4314e-05, 1.5965e-02],

```

[2.2792e-02, 3.7332e-07, 3.3895e-03],  
[1.4519e+01, 1.4345e-03, 5.0600e-01],  
[4.1622e+01, 2.7117e-01, 2.0691e+00],  
[1.4697e-01, 1.3753e-06, 2.0075e-02],  
[3.2693e+01, 1.1392e-01, 2.0456e+00],  
[1.2045e+00, 1.0138e-04, 9.0758e-02],  
[2.8182e+02, 9.5633e+00, 4.5492e+00],  
[1.5740e-02, 5.4670e-08, 2.3197e-03],  
[1.5355e+02, 5.5719e+00, 3.4986e+00],  
[1.4254e+00, 1.4344e-04, 1.4573e-01],  
[8.1892e+00, 1.0153e-02, 7.2393e-01],  
[1.1997e+02, 1.1677e+00, 3.0651e+00],  
[1.8125e+02, 2.1191e+00, 4.3993e+00],  
[1.6606e-01, 1.0854e-05, 2.3782e-02],  
[1.0448e-02, 3.6795e-08, 1.5619e-03],  
[1.1893e+00, 2.2850e-04, 7.2059e-02],  
[3.2770e-01, 6.6061e-05, 4.7483e-02],  
[6.4379e-01, 4.9485e-05, 5.0963e-02],  
[3.1753e+01, 4.0314e-02, 1.1670e+00],  
[3.1934e+01, 2.1670e-02, 1.2206e+00],  
[1.1753e+01, 4.2957e-02, 5.6733e-01],  
[1.1980e+00, 4.0283e-04, 1.1063e-01],  
[5.4024e+01, 2.9493e-01, 1.8127e+00],  
[4.2234e-01, 5.4897e-05, 4.4488e-02],  
[7.2853e-01, 4.7875e-05, 5.6770e-02],  
[8.9592e+00, 1.1884e-02, 3.7393e-01],  
[4.3876e+01, 6.8843e-02, 2.2804e+00],  
[1.8417e+01, 7.3093e-02, 9.0187e-01],  
[2.2066e-01, 2.1401e-05, 2.5949e-02],  
[2.5222e+00, 2.1854e-03, 2.4978e-01],  
[3.6850e+01, 1.7686e-02, 1.1068e+00],  
[2.6318e-01, 2.5609e-05, 3.2254e-02],  
[4.9244e-01, 7.2432e-05, 4.2970e-02],  
[8.6706e+00, 9.5304e-03, 5.5000e-01],  
[2.6716e-02, 9.4184e-08, 3.8255e-03],  
[1.2968e+02, 1.3908e+00, 3.9704e+00],  
[3.9149e+01, 2.1316e-01, 1.4239e+00],  
[1.4697e+02, 2.8962e+00, 2.6386e+00],  
[1.0894e+02, 4.5939e-01, 2.8520e+00],  
[5.6761e+00, 6.5348e-03, 2.8240e-01],  
[1.3139e-01, 4.9888e-06, 1.5821e-02],  
[7.7643e+00, 3.7944e-02, 6.7751e-01],  
[2.0156e+00, 1.8344e-04, 2.5333e-01],  
[9.6663e+00, 6.7783e-03, 5.5116e-01],  
[1.2341e+01, 9.8674e-04, 6.0504e-01],  
[6.4272e-02, 1.5466e-06, 9.6892e-03],  
[1.8739e+02, 7.4032e+00, 4.9157e+00],  
[1.4079e-01, 7.1476e-06, 1.9291e-02],

[9.1084e+00, 8.1632e-03, 6.1746e-01],  
 [1.8034e+01, 8.1273e-02, 1.0308e+00],  
 [2.7410e+01, 2.5576e-02, 1.0019e+00],  
 [1.8069e-01, 1.0167e-05, 2.1760e-02],  
 [4.3223e-02, 1.0444e-06, 6.5700e-03],  
 [2.8474e-02, 9.8929e-07, 4.1775e-03],  
 [3.2364e+01, 2.8721e-02, 7.5954e-01],  
 [1.4390e+00, 1.1013e-03, 1.3404e-01],  
 [4.6917e+01, 1.4054e-01, 2.2874e+00],  
 [5.8077e+01, 7.0936e-01, 1.7391e+00],  
 [2.0000e+00, 5.5127e-04, 2.3952e-01],  
 [2.1076e+00, 2.4520e-03, 2.6514e-01],  
 [5.6769e-04, 6.1551e-11, 9.2833e-05],  
 [1.5581e+01, 8.8649e-03, 5.6536e-01],  
 [5.9770e-01, 1.8534e-04, 7.8015e-02],  
 [2.4508e+01, 9.7629e-03, 1.4380e+00],  
 [1.3194e-01, 2.2942e-06, 1.6461e-02],  
 [2.3266e-01, 2.6808e-05, 2.9498e-02],  
 [8.9743e-01, 7.4564e-04, 1.1443e-01],  
 [1.0335e+00, 2.4754e-05, 7.4442e-02],  
 [1.8275e-01, 1.4284e-05, 2.1506e-02],  
 [1.8748e+01, 1.3910e-01, 1.1232e+00],  
 [6.6392e-01, 1.7196e-04, 5.2904e-02],  
 [9.9257e+01, 2.3596e+00, 3.4720e+00],  
 [2.9912e+00, 1.5283e-03, 2.3940e-01],  
 [9.4856e+00, 3.0927e-03, 4.5435e-01],  
 [1.6403e+02, 3.2082e+00, 3.2654e+00],  
 [9.6335e-01, 1.9251e-04, 9.3354e-02],  
 [4.7055e+01, 3.3107e-01, 2.2608e+00],  
 [5.8193e-03, 7.9645e-09, 9.0641e-04],  
 [2.3509e+02, 1.1535e+00, 4.3679e+00],  
 [2.4761e+01, 6.4724e-02, 9.2624e-01],  
 [5.5875e-01, 2.0019e-05, 4.6777e-02],  
 [4.6541e-01, 7.5134e-05, 4.7182e-02],  
 [4.2043e+01, 9.4641e-02, 2.7086e+00],  
 [1.7381e+01, 4.4708e-02, 7.0677e-01],  
 [9.2021e+01, 2.5219e+00, 3.8897e+00],  
 [2.3100e-01, 2.5745e-05, 2.5056e-02],  
 [1.3240e+00, 4.4867e-04, 1.1701e-01],  
 [2.0739e+02, 1.9323e+00, 4.2122e+00],  
 [2.2516e+01, 1.5209e-01, 8.0099e-01],  
 [3.0727e+00, 1.6627e-03, 2.7678e-01],  
 [5.0006e-01, 4.4773e-05, 4.1555e-02],  
 [8.2457e+00, 5.4532e-03, 2.8165e-01],  
 [3.2025e+01, 3.5893e-01, 1.0247e+00],  
 [6.0522e+00, 1.7871e-02, 5.5492e-01],  
 [1.2288e+02, 7.9657e-01, 3.2481e+00],  
 [2.1896e-01, 3.8068e-05, 3.1590e-02],

[3.0919e+00, 1.1743e-03, 2.5524e-01],  
 [1.2631e-01, 5.3090e-06, 1.8603e-02],  
 [2.1931e-01, 2.1764e-05, 2.5376e-02],  
 [1.1046e+00, 4.2906e-04, 1.0438e-01],  
 [1.7739e+00, 1.2824e-04, 1.2999e-01],  
 [8.4456e+01, 2.1578e+00, 3.0193e+00],  
 [4.8009e+01, 2.1366e-01, 2.3551e+00],  
 [1.3057e-01, 1.0197e-05, 1.4095e-02],  
 [3.3912e+01, 3.2810e-01, 1.3726e+00],  
 [5.8784e-02, 2.4038e-06, 7.6542e-03],  
 [9.0108e-02, 6.4363e-07, 1.1036e-02],  
 [2.9114e+01, 5.8722e-02, 9.6626e-01],  
 [1.5229e+00, 1.4501e-04, 1.2234e-01],  
 [2.7591e+00, 1.5736e-03, 1.8523e-01],  
 [1.1005e+02, 1.4884e+00, 3.1198e+00],  
 [1.4846e+00, 7.5326e-05, 1.2182e-01],  
 [3.1558e-02, 6.1156e-07, 4.8885e-03],  
 [1.5426e+01, 1.1992e-01, 9.7524e-01],  
 [1.4680e+01, 2.2610e-02, 1.2613e+00],  
 [3.1739e+01, 2.4480e-01, 1.1825e+00],  
 [2.9641e-01, 7.0774e-05, 3.7881e-02],  
 [6.0084e+01, 8.1842e-01, 2.2675e+00],  
 [4.8824e+01, 2.6855e-01, 1.4887e+00],  
 [1.0099e-02, 2.1346e-08, 1.5078e-03],  
 [4.7774e-01, 8.6421e-05, 4.7831e-02],  
 [5.3867e+00, 1.6194e-02, 6.3923e-01],  
 [1.0861e+00, 3.9212e-05, 6.4477e-02],  
 [1.5420e+00, 3.3306e-04, 1.4112e-01],  
 [6.4898e+01, 1.0005e+00, 3.0629e+00],  
 [1.1706e+02, 2.3956e-01, 3.4694e+00],  
 [3.3391e+00, 1.6280e-03, 4.0281e-01],  
 [5.6627e+00, 1.4811e-03, 5.5529e-01],  
 [6.3131e+01, 3.2889e-01, 3.0588e+00],  
 [3.6379e-02, 6.0085e-07, 5.1249e-03],  
 [3.8377e+01, 8.4339e-02, 1.4755e+00],  
 [2.0934e-01, 1.6376e-05, 3.0833e-02],  
 [6.1464e+01, 6.0302e-02, 2.4344e+00],  
 [6.7649e-02, 8.7794e-07, 9.0301e-03],  
 [3.2021e+01, 7.3383e-02, 9.6288e-01],  
 [6.4779e+01, 1.8384e+00, 2.8279e+00],  
 [4.5796e+01, 2.1480e-01, 1.8449e+00],  
 [1.4934e+02, 7.2885e-01, 3.8754e+00],  
 [6.7079e+00, 2.8706e-02, 5.2785e-01],  
 [1.0681e+02, 1.1054e+00, 3.3913e+00],  
 [1.3783e+00, 5.7029e-04, 1.4956e-01],  
 [2.7021e+00, 1.2605e-03, 2.7736e-01],  
 [1.0731e+02, 4.2150e-02, 2.4480e+00],  
 [7.5428e+00, 2.8444e-02, 6.8865e-01],

[4.7248e+01, 2.2588e-01, 2.1552e+00],  
 [6.6614e-01, 1.8685e-04, 6.6716e-02],  
 [1.4645e+01, 8.5330e-03, 1.0278e+00],  
 [5.8536e+01, 7.2147e-01, 2.3571e+00],  
 [1.5389e+00, 3.1812e-04, 1.4197e-01],  
 [5.0424e+00, 2.3916e-03, 3.8117e-01],  
 [2.2032e+02, 6.4562e+00, 4.4513e+00],  
 [1.1465e+01, 8.7088e-03, 7.5398e-01],  
 [1.2010e+01, 3.3723e-02, 7.7524e-01],  
 [8.9810e+01, 1.2388e+00, 3.1432e+00],  
 [1.7987e-01, 4.4950e-06, 2.2872e-02],  
 [1.2726e-01, 2.1522e-06, 1.8300e-02],  
 [1.1459e+01, 4.9489e-02, 1.0100e+00],  
 [1.3038e+01, 7.9941e-02, 9.1330e-01],  
 [1.3662e+02, 1.4950e+00, 3.3122e+00],  
 [9.9065e+01, 3.0565e-01, 3.6140e+00],  
 [2.4799e+02, 1.6837e+01, 5.0675e+00],  
 [1.3367e+01, 1.4219e-02, 5.4162e-01],  
 [3.6808e+00, 1.1118e-03, 2.7657e-01],  
 [1.0388e+01, 2.1979e-03, 3.9083e-01],  
 [2.6587e+00, 4.7877e-04, 2.1200e-01],  
 [2.2975e-01, 2.9249e-05, 2.7215e-02],  
 [2.8280e-01, 2.5684e-05, 3.5137e-02],  
 [1.8757e-01, 3.7269e-06, 1.8637e-02],  
 [1.2221e+00, 9.8620e-04, 1.3027e-01],  
 [1.1910e+02, 2.8135e-01, 4.1800e+00],  
 [6.8950e+01, 2.1974e-01, 2.0409e+00],  
 [3.0958e+01, 8.0371e-02, 2.1367e+00],  
 [5.7476e-01, 1.5795e-04, 5.1018e-02],  
 [2.5995e-02, 8.4096e-08, 3.8255e-03],  
 [5.5376e-03, 4.5119e-09, 8.7301e-04],  
 [6.2467e+00, 2.5102e-02, 6.3877e-01],  
 [7.3945e-01, 1.5275e-04, 5.2793e-02],  
 [4.3381e+01, 4.4139e-01, 1.1076e+00],  
 [2.3876e+01, 2.2485e-01, 8.3873e-01],  
 [1.4904e+00, 1.6256e-04, 1.0144e-01],  
 [1.0178e+00, 2.5217e-04, 1.0146e-01],  
 [1.9120e+00, 1.5005e-03, 1.7466e-01],  
 [6.3268e+00, 3.1748e-03, 5.7504e-01],  
 [7.3264e-03, 1.6802e-08, 1.1325e-03],  
 [2.1569e+01, 1.9115e-02, 1.7125e+00],  
 [1.5310e+02, 4.3653e+00, 3.4804e+00],  
 [1.9866e+02, 5.6239e+00, 3.6834e+00],  
 [6.5251e+00, 1.8995e-02, 4.3104e-01],  
 [1.8985e+01, 8.2373e-03, 8.4757e-01],  
 [1.6575e+02, 8.8581e-01, 4.4765e+00],  
 [5.0411e+01, 1.9253e-01, 1.0245e+00],  
 [4.6367e+00, 1.8841e-03, 2.3119e-01],

[2.9754e-01, 5.0496e-05, 3.0545e-02],  
[2.5389e-01, 9.8622e-05, 3.4567e-02],  
[5.4130e-01, 1.5566e-04, 6.1389e-02],  
[3.5857e+01, 7.9563e-02, 1.5912e+00],  
[2.3555e-02, 1.0530e-07, 3.5668e-03],  
[5.9827e+01, 8.8101e-01, 2.4517e+00],  
[6.9326e-01, 6.3110e-05, 9.6996e-02],  
[6.8459e+00, 6.5220e-04, 3.5886e-01],  
[1.2942e+00, 5.3194e-05, 1.0949e-01],  
[7.3670e-01, 2.2750e-04, 7.3342e-02],  
[4.6482e+00, 3.1992e-03, 2.8054e-01],  
[3.0634e+00, 3.6326e-03, 2.0514e-01],  
[5.0173e+00, 3.6684e-03, 2.7918e-01],  
[1.0238e+01, 5.8563e-03, 4.1628e-01],  
[6.8260e-02, 2.5329e-06, 9.2385e-03],  
[4.0514e+01, 1.4603e-01, 1.4170e+00],  
[1.7639e-01, 3.2041e-05, 2.4553e-02],  
[3.0502e+01, 1.4255e-01, 1.8786e+00],  
[5.9363e-03, 1.6970e-08, 9.3111e-04],  
[9.1705e+01, 8.9085e-01, 2.7500e+00],  
[1.5244e-01, 1.5556e-05, 1.8650e-02],  
[2.3804e-01, 4.8232e-06, 3.2812e-02],  
[3.6734e-01, 6.2583e-05, 3.6073e-02],  
[1.9694e+01, 3.9956e-02, 1.1309e+00],  
[2.3354e+01, 5.5931e-02, 9.6409e-01],  
[1.9944e-01, 1.9498e-05, 2.0146e-02],  
[6.8936e+00, 7.1803e-04, 4.8665e-01],  
[2.1201e+01, 2.1892e-01, 1.1455e+00],  
[2.8238e+00, 5.3653e-04, 2.6738e-01],  
[2.8521e+00, 1.8267e-03, 2.6412e-01],  
[1.2501e+01, 2.0242e-02, 7.6365e-01],  
[2.0707e+00, 8.7927e-05, 1.0282e-01],  
[1.7601e+00, 3.4591e-04, 1.1408e-01],  
[8.1357e+00, 6.2455e-03, 6.5669e-01],  
[1.0170e+00, 1.7936e-04, 9.7449e-02],  
[1.5337e+00, 2.0045e-04, 1.0556e-01],  
[1.0521e+00, 2.9137e-04, 7.1747e-02],  
[2.6591e-01, 4.4517e-05, 2.5045e-02],  
[1.2544e+00, 1.0375e-04, 1.3942e-01],  
[4.7073e+01, 3.0985e-01, 1.6700e+00],  
[2.9553e+00, 3.1595e-03, 1.9112e-01],  
[6.6389e+01, 1.4388e-01, 3.1966e+00],  
[3.9065e-01, 2.2456e-05, 5.3578e-02],  
[1.5414e+00, 3.0869e-04, 1.5239e-01],  
[4.3312e+00, 2.8322e-04, 2.0822e-01],  
[1.1685e+00, 1.9167e-04, 7.5611e-02],  
[3.0224e+00, 4.1172e-05, 1.4974e-01],  
[3.8219e-01, 1.1883e-04, 4.6698e-02],



[6.9485e-04, 4.1488e-10, 1.1260e-04],  
 [9.6197e+00, 1.1281e-02, 6.4063e-01],  
 [5.3343e+01, 2.8977e-01, 1.1136e+00],  
 [9.4507e-01, 2.4307e-04, 7.9054e-02],  
 [1.6021e+01, 1.0729e-01, 1.4299e+00],  
 [1.3936e+01, 7.2526e-03, 5.0848e-01],  
 [8.3400e+00, 6.8146e-03, 4.8252e-01],  
 [4.6318e+00, 2.9513e-03, 3.1207e-01],  
 [4.4744e+01, 3.2291e-01, 1.6565e+00],  
 [1.0505e+01, 6.4875e-02, 1.0750e+00],  
 [7.2191e+00, 2.2089e-02, 6.3616e-01],  
 [1.3807e+01, 7.5642e-03, 9.6660e-01],  
 [2.0164e+00, 1.3060e-03, 2.5048e-01],  
 [9.4040e-01, 1.3220e-04, 9.6295e-02],  
 [1.3466e+01, 3.6618e-02, 4.7185e-01],  
 [3.8644e+00, 1.4898e-02, 4.2689e-01],  
 [1.2700e+02, 4.5694e+00, 3.4415e+00],  
 [2.0251e+01, 1.2655e-01, 7.8407e-01],  
 [3.1747e-01, 5.1724e-05, 3.1055e-02],  
 [6.5067e+01, 9.5846e-01, 2.3136e+00],  
 [1.2365e+01, 2.1720e-02, 6.3455e-01],  
 [6.2657e-02, 8.8053e-07, 8.2984e-03],  
 [2.3704e+01, 1.1206e-01, 1.6243e+00],  
 [4.2186e-01, 3.3324e-05, 5.6029e-02],  
 [2.4862e-01, 2.2383e-05, 2.7503e-02],  
 [1.1748e-01, 3.5974e-06, 1.3632e-02],  
 [6.4781e-02, 1.2738e-06, 9.9045e-03],  
 [3.5420e+01, 6.7447e-02, 2.0362e+00],  
 [3.5492e-01, 2.1208e-04, 4.9868e-02],  
 [2.2686e+01, 9.2292e-02, 8.2146e-01],  
 [3.8997e+01, 2.8855e-01, 1.4769e+00],  
 [2.8451e-03, 1.2561e-09, 4.5144e-04],  
 [1.3266e+00, 2.7088e-04, 9.7148e-02],  
 [2.7079e-01, 1.0310e-05, 2.5574e-02],  
 [1.2863e+01, 1.5864e-02, 5.5381e-01],  
 [3.8970e-03, 2.3019e-09, 6.1182e-04],  
 [1.1487e-01, 6.7352e-06, 1.3062e-02],  
 [3.5778e-01, 1.4856e-04, 4.7003e-02],  
 [3.0377e-01, 4.2016e-05, 2.8446e-02],  
 [1.8589e+00, 8.4765e-04, 1.4522e-01],  
 [8.0524e-01, 1.1352e-04, 1.0107e-01],  
 [3.3160e+01, 7.5843e-02, 1.3820e+00],  
 [5.9694e+00, 8.5830e-03, 2.8199e-01],  
 [5.5733e-02, 3.8030e-07, 7.4828e-03],  
 [1.3191e-02, 7.3261e-08, 1.9728e-03],  
 [2.4233e-02, 6.2715e-08, 3.5794e-03],  
 [9.8018e-01, 3.4607e-04, 1.2907e-01],  
 [8.9558e+00, 1.4905e-02, 4.2057e-01],

```

[1.4732e+00, 2.4375e-03, 1.6166e-01],
[3.8741e+00, 1.1357e-03, 3.5691e-01],
[3.2213e-01, 3.5569e-05, 3.1811e-02],
[1.1375e-01, 2.3802e-06, 1.5957e-02],
[1.3589e-01, 6.5630e-06, 1.8364e-02],
[1.2661e+02, 2.2722e+00, 2.8819e+00],
[3.3158e+00, 2.8562e-04, 2.1961e-01],
[1.5218e-01, 7.3299e-06, 2.0214e-02],
[8.3017e+01, 2.8941e-01, 3.2920e+00],
[2.5477e+01, 2.8723e-01, 1.7469e+00],
[7.3836e-01, 1.7251e-04, 9.2006e-02],
[1.9047e+01, 8.1711e-02, 7.3438e-01]], dtype=torch.float64)
Iteration: 122
Inputs: tensor([[4.9055e+19, 1.9040e+02, 1.2734e+01, 7.8012e+00],
[1.2820e+20, 2.1536e+02, 1.3151e+01, 3.8498e+00],
[1.2030e+19, 3.5066e+02, 1.9942e+01, 1.8688e+00],
...,
[2.7456e+18, 3.4525e+02, 1.4937e+00, 9.0264e+00],
[2.0911e+20, 4.7047e+02, 1.9130e+01, 6.8753e+00],
[3.7106e+20, 4.2238e+02, 9.4098e+00, 3.9996e+00]], dtype=torch.float64)
Target: tensor([[1.4003e+01, 6.2303e-02, 7.3640e-01],
[2.1457e+01, 6.2507e-02, 1.2212e+00],
[5.6192e-01, 5.8546e-05, 6.7648e-02],
[3.8801e-03, 2.7886e-09, 6.2310e-04],
[1.4350e+02, 4.4519e+00, 4.4450e+00],
[1.8575e+00, 8.9169e-04, 1.3221e-01],
[1.7929e+01, 1.1339e-01, 7.2366e-01],
[1.0161e+02, 1.1347e+00, 2.0142e+00],
[1.3097e+02, 3.4037e+00, 3.5183e+00],
[3.3184e+01, 1.6011e-01, 1.1312e+00],
[7.2189e+01, 1.8412e-01, 1.9263e+00],
[3.1831e+02, 4.5075e+00, 4.8441e+00],
[1.5858e+01, 2.0932e-03, 6.7425e-01],
[4.1487e+00, 3.0715e-03, 4.8295e-01],
[2.0085e+01, 3.8028e-02, 5.5716e-01],
[4.1434e-01, 1.1446e-04, 5.0100e-02],
[1.4113e+01, 3.5524e-02, 6.9316e-01],
[4.2917e+00, 9.4699e-03, 3.9132e-01],
[5.1773e-01, 1.9960e-04, 7.1261e-02],
[1.1577e+02, 1.2806e+00, 4.0762e+00],
[3.5300e+01, 4.8207e-02, 2.1083e+00],
[9.5464e+00, 5.9219e-03, 6.7304e-01],
[3.8809e-01, 3.3000e-05, 2.9684e-02],
[1.0434e+00, 1.7294e-05, 7.4708e-02],
[2.0461e+02, 6.8618e-01, 4.2590e+00],
[1.3786e-01, 1.2165e-05, 1.8427e-02],
[2.6091e+00, 5.6121e-04, 2.0731e-01],
[5.0387e+00, 6.1189e-03, 3.2141e-01],

```

[5.4130e-01, 1.3497e-04, 6.2014e-02],  
 [1.6753e-01, 1.6746e-06, 2.0103e-02],  
 [7.9267e+00, 5.6651e-03, 4.8970e-01],  
 [2.4225e+01, 1.7687e-01, 1.3627e+00],  
 [5.4723e+01, 7.4267e-01, 1.6079e+00],  
 [1.4010e+00, 9.5538e-04, 1.3482e-01],  
 [1.3304e+00, 2.0709e-04, 7.4975e-02],  
 [8.0098e+01, 1.5357e+00, 2.6052e+00],  
 [6.5135e-02, 2.4848e-06, 8.8817e-03],  
 [1.4612e+02, 6.4049e+00, 4.1380e+00],  
 [5.1884e+00, 6.5493e-03, 3.0392e-01],  
 [5.3692e-02, 3.3792e-06, 8.0069e-03],  
 [1.8292e-01, 1.2425e-05, 1.9917e-02],  
 [1.0418e+00, 1.4443e-04, 1.3697e-01],  
 [9.4101e+00, 1.9870e-02, 4.0864e-01],  
 [1.0701e+00, 3.7778e-04, 7.8130e-02],  
 [3.4418e+01, 3.2240e-01, 9.3629e-01],  
 [2.5033e+00, 2.0439e-03, 2.1955e-01],  
 [4.6017e+00, 4.1714e-03, 3.2614e-01],  
 [2.3278e+01, 2.1608e-02, 6.1863e-01],  
 [5.6366e-01, 1.1718e-04, 4.4749e-02],  
 [4.0773e-02, 1.3024e-06, 6.1890e-03],  
 [1.0709e-01, 1.2811e-05, 1.4364e-02],  
 [3.0668e+00, 2.2104e-03, 2.0889e-01],  
 [2.6466e-01, 3.3619e-05, 2.5286e-02],  
 [5.7497e-01, 1.1648e-04, 5.5719e-02],  
 [7.9234e+01, 2.6074e-01, 2.2592e+00],  
 [8.1475e-02, 6.8385e-06, 1.1844e-02],  
 [7.8233e+01, 2.8534e-01, 2.7732e+00],  
 [1.5869e+00, 9.6102e-04, 2.1710e-01],  
 [6.6690e-01, 1.2083e-04, 6.8273e-02],  
 [4.0758e+01, 5.0191e-02, 1.2965e+00],  
 [6.6474e-02, 7.7438e-07, 9.0005e-03],  
 [3.7179e+01, 1.8634e-01, 9.8038e-01],  
 [7.5426e+00, 1.5343e-02, 6.4020e-01],  
 [5.8113e+00, 6.0493e-03, 3.8133e-01],  
 [5.3941e+00, 2.9046e-02, 5.5150e-01],  
 [9.0151e-01, 5.5047e-05, 7.5448e-02],  
 [2.8884e+00, 4.6896e-03, 2.6640e-01],  
 [2.2065e+02, 2.6545e+00, 3.4634e+00],  
 [1.6930e+01, 2.2620e-03, 7.4941e-01],  
 [9.7650e+00, 2.4636e-02, 4.3708e-01],  
 [4.0061e+01, 1.4991e-01, 1.4232e+00],  
 [1.3636e+02, 3.2873e+00, 3.8269e+00],  
 [5.9924e-01, 3.8423e-05, 5.8017e-02],  
 [6.9894e-01, 1.2247e-05, 5.0874e-02],  
 [1.6457e+02, 6.9095e+00, 3.4967e+00],  
 [5.0977e-01, 1.0714e-05, 6.3999e-02],

[8.2449e-02, 1.5282e-06, 1.1250e-02],  
 [2.8656e+01, 5.3026e-02, 1.2873e+00],  
 [2.0943e+01, 1.6944e-01, 7.6110e-01],  
 [2.8193e+00, 1.8673e-03, 3.2493e-01],  
 [4.5374e-01, 9.9910e-06, 5.4639e-02],  
 [8.9089e-02, 3.0673e-07, 1.1141e-02],  
 [1.0263e+02, 1.9378e+00, 2.6684e+00],  
 [1.5135e+02, 1.3102e+00, 3.0449e+00],  
 [4.4777e+01, 2.5865e-01, 1.7426e+00],  
 [1.2194e+02, 3.0790e+00, 3.4731e+00],  
 [1.3999e+01, 6.6316e-02, 7.0993e-01],  
 [4.4394e-01, 5.8684e-05, 3.5924e-02],  
 [1.1877e+01, 3.3543e-02, 9.5778e-01],  
 [2.4284e+01, 2.6237e-01, 1.9148e+00],  
 [3.1060e+00, 4.6631e-03, 2.8939e-01],  
 [2.3101e+00, 4.6622e-04, 1.5891e-01],  
 [2.3305e+00, 3.9874e-04, 2.0407e-01],  
 [1.8520e+01, 1.4094e-01, 1.1104e+00],  
 [8.3465e+00, 2.0352e-02, 7.6160e-01],  
 [6.1143e+01, 1.0385e-01, 1.5087e+00],  
 [1.4324e+02, 1.7141e+00, 4.1923e+00],  
 [1.7820e-01, 2.5770e-05, 2.1173e-02],  
 [1.8682e+01, 7.2802e-02, 9.7774e-01],  
 [1.7328e+00, 5.2512e-05, 1.2084e-01],  
 [2.9703e+01, 8.1325e-02, 7.8963e-01],  
 [1.1834e+00, 2.7020e-04, 7.2386e-02],  
 [5.4377e-01, 4.0481e-05, 5.5745e-02],  
 [3.3565e+00, 3.4663e-04, 1.7802e-01],  
 [1.1304e+01, 3.8414e-02, 7.8520e-01],  
 [1.2820e+00, 1.2029e-03, 1.6087e-01],  
 [5.9357e-01, 3.1224e-05, 5.1893e-02],  
 [8.8353e-03, 9.0882e-08, 1.3544e-03],  
 [8.7524e-01, 1.0784e-04, 6.4153e-02],  
 [3.0898e+00, 3.1500e-03, 2.0390e-01],  
 [5.5668e-03, 3.3943e-08, 8.8789e-04],  
 [7.4327e-01, 2.8659e-04, 6.1453e-02],  
 [1.7492e-02, 2.6206e-07, 2.5288e-03],  
 [2.4954e+01, 1.2841e-01, 1.0657e+00],  
 [5.1615e+01, 3.8415e-01, 1.7729e+00],  
 [1.4715e-01, 4.3549e-06, 1.8847e-02],  
 [4.9364e+00, 5.8615e-03, 2.7826e-01],  
 [6.8972e+01, 5.3842e-01, 1.7283e+00],  
 [4.1366e+00, 2.1471e-03, 5.3440e-01],  
 [1.1157e+02, 6.5945e-01, 2.9814e+00],  
 [5.4431e+01, 5.7970e-01, 1.9970e+00],  
 [5.2459e-01, 4.4177e-05, 4.2182e-02],  
 [5.6341e-01, 5.9606e-05, 6.9670e-02],  
 [1.3097e+00, 5.2637e-04, 9.6163e-02],

[2.7423e-01, 3.1265e-05, 3.1598e-02],  
 [3.3705e-03, 2.3969e-09, 5.4698e-04],  
 [5.1098e+00, 9.8708e-03, 3.0165e-01],  
 [1.9842e+00, 1.6162e-03, 1.3936e-01],  
 [2.5373e-01, 4.7887e-06, 3.3781e-02],  
 [1.1668e+02, 1.6129e+00, 3.9093e+00],  
 [3.4214e+00, 1.3758e-03, 4.5454e-01],  
 [2.2712e+01, 1.9014e-01, 1.0943e+00],  
 [4.3375e+01, 1.4361e-01, 1.6032e+00],  
 [3.2944e+01, 5.1912e-01, 1.5503e+00],  
 [4.2665e-02, 7.2768e-07, 5.8895e-03],  
 [6.5767e+00, 1.9759e-03, 5.6100e-01],  
 [4.3712e-01, 6.5039e-05, 4.2457e-02],  
 [1.5447e+00, 2.4461e-05, 1.0404e-01],  
 [6.2095e-01, 2.1658e-05, 4.3428e-02],  
 [8.5988e+01, 6.8096e-01, 1.9448e+00],  
 [1.7422e+02, 3.5802e+00, 3.9367e+00],  
 [3.0487e+01, 9.9175e-02, 9.0630e-01],  
 [7.4818e-03, 6.6203e-08, 1.1611e-03],  
 [1.0811e+00, 1.2782e-04, 7.9180e-02],  
 [2.5620e+01, 2.6835e-02, 1.2441e+00],  
 [2.1955e+01, 8.6872e-03, 1.2852e+00],  
 [5.7519e-02, 1.9000e-06, 7.7150e-03],  
 [2.9314e+00, 1.1928e-03, 2.2076e-01],  
 [4.3350e+00, 6.1985e-03, 2.8311e-01],  
 [1.7077e-01, 5.9804e-06, 2.0704e-02],  
 [1.8591e-01, 2.1324e-05, 2.1854e-02],  
 [8.9138e+00, 3.8909e-03, 4.5617e-01],  
 [3.7549e+01, 7.5510e-02, 1.1536e+00],  
 [3.4851e+01, 5.0559e-01, 2.3563e+00],  
 [3.0682e+00, 7.7844e-04, 3.6155e-01],  
 [1.2972e+01, 3.9202e-02, 6.0295e-01],  
 [1.9404e+01, 9.1116e-02, 1.1714e+00],  
 [6.1432e+01, 9.4458e-02, 1.4090e+00],  
 [4.8733e+01, 1.7738e-01, 1.9073e+00],  
 [2.9550e-01, 2.2917e-05, 4.2277e-02],  
 [8.0050e-02, 2.5090e-06, 1.0277e-02],  
 [2.8116e+00, 7.3745e-04, 2.2195e-01],  
 [1.0486e+00, 1.9502e-04, 7.6114e-02],  
 [1.5790e-02, 2.1488e-07, 2.3295e-03],  
 [3.2471e-01, 3.1587e-05, 4.3469e-02],  
 [4.9615e-01, 7.4383e-05, 6.5474e-02],  
 [4.0053e+00, 1.6144e-03, 2.4453e-01],  
 [3.7070e-02, 1.8034e-07, 5.1385e-03],  
 [2.5680e-01, 6.6539e-06, 2.4008e-02],  
 [1.3409e+02, 2.5207e+00, 2.8219e+00],  
 [8.8511e+00, 6.8545e-03, 5.0390e-01],  
 [3.0358e-03, 4.7771e-09, 4.8057e-04],

[5.2289e+00, 6.3702e-03, 3.2679e-01],  
 [1.4713e+00, 1.6693e-04, 9.9325e-02],  
 [3.8183e+01, 2.4220e-01, 1.5988e+00],  
 [2.8577e+01, 7.1072e-02, 8.0976e-01],  
 [2.2059e+00, 2.0177e-03, 1.7416e-01],  
 [3.1384e+00, 2.0742e-03, 1.7848e-01],  
 [2.8564e-01, 2.2433e-05, 3.0470e-02],  
 [9.1822e+01, 2.8403e-01, 2.5339e+00],  
 [2.1438e+00, 4.7359e-04, 1.3153e-01],  
 [8.7191e+00, 1.0432e-02, 4.6659e-01],  
 [1.0329e+01, 4.4168e-02, 8.1861e-01],  
 [4.1459e+01, 7.4528e-02, 2.6194e+00],  
 [2.6074e-02, 2.3439e-07, 3.7460e-03],  
 [1.1445e+01, 7.7578e-02, 8.1402e-01],  
 [1.1923e+01, 5.7327e-02, 7.0141e-01],  
 [3.2045e+01, 2.1440e-01, 1.0163e+00],  
 [1.0059e+02, 3.2560e-01, 2.2629e+00],  
 [1.1029e-01, 4.5260e-06, 1.4751e-02],  
 [5.8204e-01, 6.0953e-05, 6.6078e-02],  
 [3.9346e-01, 3.0293e-05, 4.7795e-02],  
 [4.4814e-01, 1.0544e-04, 4.1279e-02],  
 [1.4299e+01, 2.2554e-02, 7.2705e-01],  
 [1.5307e-01, 2.4128e-06, 1.6051e-02],  
 [6.4092e-01, 5.2241e-05, 4.0404e-02],  
 [1.6216e+02, 1.5793e+00, 4.2114e+00],  
 [1.0290e-02, 3.7204e-08, 1.5997e-03],  
 [4.7982e+01, 1.0942e-01, 2.9754e+00],  
 [7.2393e+01, 1.3677e+00, 2.1532e+00],  
 [6.9245e-01, 2.9906e-04, 8.3464e-02],  
 [2.4525e+00, 3.9815e-03, 3.1008e-01],  
 [8.9362e+01, 9.4852e-01, 1.8676e+00],  
 [1.3196e+02, 1.6261e+00, 4.6272e+00],  
 [5.3412e+01, 1.3164e-01, 2.5785e+00],  
 [2.6971e+01, 2.0460e-01, 1.4766e+00],  
 [6.8436e-01, 2.3445e-04, 7.4288e-02],  
 [7.7186e+00, 4.8536e-03, 3.4827e-01],  
 [4.9626e+01, 3.6906e-01, 1.8795e+00],  
 [1.3545e+01, 2.6574e-02, 4.8908e-01],  
 [5.7046e+01, 3.0091e-01, 2.2767e+00],  
 [1.5953e+00, 6.0193e-04, 1.1436e-01],  
 [3.3108e+02, 1.2000e+01, 5.0290e+00],  
 [2.8531e+00, 5.2087e-03, 3.2310e-01],  
 [2.7469e-01, 9.2992e-06, 2.6673e-02],  
 [7.4487e+00, 8.8595e-03, 4.4826e-01],  
 [1.6296e+01, 1.4535e-02, 1.3251e+00],  
 [2.3619e+01, 1.1105e-01, 9.9170e-01],  
 [1.7530e+01, 1.2803e-01, 7.6035e-01],  
 [1.9810e+00, 4.7316e-04, 1.6824e-01],

[1.9286e-01, 5.9216e-06, 2.0950e-02],  
[1.2917e+02, 4.6241e+00, 3.4700e+00],  
[1.1622e-01, 4.0707e-06, 1.4702e-02],  
[1.3059e+00, 2.9349e-04, 8.6815e-02],  
[1.8962e+02, 3.0118e-01, 4.4000e+00],  
[2.1018e+01, 3.5321e-02, 1.4195e+00],  
[2.3821e+00, 1.9473e-03, 1.5204e-01],  
[7.4698e+00, 4.7873e-02, 6.2212e-01],  
[6.3621e+01, 4.6716e-01, 3.1323e+00],  
[7.9240e-01, 5.5534e-04, 9.2149e-02],  
[6.4122e+00, 5.5162e-03, 3.8987e-01],  
[3.9275e+00, 1.1974e-03, 2.6743e-01],  
[2.3432e-01, 6.9951e-06, 2.9216e-02],  
[6.4799e+00, 2.8040e-02, 7.0146e-01],  
[1.9452e-01, 1.5536e-05, 2.3173e-02],  
[1.0347e+01, 2.8692e-03, 8.1313e-01],  
[1.6887e+00, 4.3950e-04, 1.2662e-01],  
[3.1611e+01, 1.6564e-01, 1.0568e+00],  
[3.2286e+01, 2.1211e-01, 1.0087e+00],  
[3.5805e+01, 5.0713e-01, 2.6713e+00],  
[2.4694e-01, 2.7349e-05, 2.3400e-02],  
[2.7173e-01, 5.5835e-05, 3.0230e-02],  
[7.4020e+00, 1.0662e-02, 3.4416e-01],  
[4.0726e+00, 2.1288e-03, 2.1349e-01],  
[2.0044e+00, 6.1237e-05, 1.4666e-01],  
[4.8653e-01, 8.8948e-05, 4.5080e-02],  
[1.7260e+02, 5.5233e+00, 3.9025e+00],  
[3.0039e+01, 2.2738e-01, 1.9437e+00],  
[2.4488e+01, 7.3962e-02, 1.0668e+00],  
[3.1804e-03, 1.5437e-08, 5.0382e-04],  
[1.6873e+01, 6.0600e-02, 1.1608e+00],  
[6.5202e+00, 7.7584e-03, 3.6284e-01],  
[8.1271e-04, 8.2205e-10, 1.3241e-04],  
[6.6194e-01, 2.6844e-04, 5.7892e-02],  
[1.7511e+00, 1.2024e-04, 1.0364e-01],  
[1.9335e+02, 9.9309e+00, 4.8429e+00],  
[3.6070e+01, 1.6911e-01, 1.8766e+00],  
[1.3697e+02, 1.1229e+00, 2.9250e+00],  
[1.1936e+02, 1.6185e+00, 3.0410e+00],  
[2.7172e-01, 4.9314e-05, 2.8644e-02],  
[6.1650e+01, 1.3003e-01, 2.2009e+00],  
[5.5128e+00, 5.0627e-03, 4.9040e-01],  
[2.4080e-01, 3.3971e-05, 2.4209e-02],  
[8.2609e+01, 2.9788e-01, 3.4906e+00],  
[1.0911e+02, 1.2587e-01, 4.3464e+00],  
[1.5821e+01, 9.7606e-02, 1.3300e+00],  
[1.1997e+02, 1.3517e+00, 2.8666e+00],  
[1.8600e+01, 5.5752e-02, 1.0080e+00],

[3.3671e+01, 6.7511e-01, 2.1585e+00],  
 [3.5405e+00, 4.6027e-03, 2.9803e-01],  
 [1.0238e-01, 7.0626e-06, 1.1652e-02],  
 [4.7647e+01, 4.1295e-02, 2.5486e+00],  
 [9.0106e-03, 3.3967e-08, 1.3861e-03],  
 [1.7375e-01, 1.2810e-05, 2.0751e-02],  
 [2.2642e+02, 5.7048e+00, 4.4913e+00],  
 [1.7593e+00, 5.8236e-04, 1.2341e-01],  
 [1.5335e-03, 1.8153e-09, 2.4587e-04],  
 [6.6460e+01, 7.1524e-01, 2.2059e+00],  
 [1.3086e+01, 7.2268e-02, 1.0121e+00],  
 [7.2166e+00, 4.0757e-03, 4.0497e-01],  
 [5.8659e+01, 4.1731e-01, 2.0081e+00],  
 [1.6716e-02, 4.4941e-07, 2.5321e-03],  
 [2.3936e-02, 6.3959e-08, 3.5275e-03],  
 [2.1083e+01, 5.7377e-02, 9.6630e-01],  
 [4.0036e+01, 1.7982e-01, 1.9440e+00],  
 [5.3797e+00, 2.6965e-03, 4.6591e-01],  
 [2.7277e+00, 1.0751e-03, 1.3771e-01],  
 [1.2563e+00, 6.6775e-04, 9.2089e-02],  
 [5.7246e+01, 3.6951e-01, 1.4078e+00],  
 [1.6542e+00, 5.2778e-04, 9.5211e-02],  
 [3.2933e+01, 1.1185e-01, 1.0015e+00],  
 [3.3353e-01, 1.8270e-05, 3.0958e-02],  
 [1.1198e+02, 3.2011e+00, 3.3523e+00],  
 [1.5470e+00, 4.8757e-05, 1.1736e-01],  
 [1.0920e+00, 2.7959e-04, 7.4197e-02],  
 [5.4420e-03, 1.5158e-08, 8.6693e-04],  
 [3.4139e+01, 3.2703e-01, 1.9258e+00],  
 [1.0498e+02, 2.3798e+00, 3.1782e+00],  
 [6.5653e+01, 8.4319e-01, 1.5123e+00],  
 [1.2628e-01, 2.9825e-06, 1.7762e-02],  
 [3.1753e-01, 1.4523e-05, 3.9589e-02],  
 [1.2794e-01, 8.8606e-06, 1.7227e-02],  
 [2.8070e+01, 1.3578e-01, 1.8301e+00],  
 [1.9301e+02, 3.5679e+00, 4.3106e+00],  
 [3.6516e-01, 6.8241e-05, 3.6515e-02],  
 [1.5466e+00, 3.8468e-04, 1.0761e-01],  
 [5.6160e+01, 6.9592e-02, 2.3184e+00],  
 [6.6487e+00, 2.2202e-03, 3.4882e-01],  
 [1.7838e+01, 1.4449e-02, 7.3213e-01],  
 [1.2519e+00, 1.0121e-04, 1.6735e-01],  
 [2.8879e+01, 1.8965e-01, 1.3597e+00],  
 [9.1132e+01, 2.0769e+00, 2.3554e+00],  
 [3.7760e+01, 3.3028e-01, 2.4428e+00],  
 [1.7307e+00, 1.4128e-03, 1.1948e-01],  
 [1.9609e+00, 1.5629e-03, 1.3594e-01],  
 [2.2299e-03, 4.0274e-10, 3.5417e-04],



```

[2.0725e+00, 1.0330e-03, 1.7311e-01],
[1.6289e+00, 3.4406e-04, 9.2118e-02],
[7.0181e+01, 1.0920e+00, 2.0953e+00],
[1.0581e+02, 6.9965e-01, 2.9077e+00]], dtype=torch.float64)
Iteration: 123
Inputs: tensor([[1.4628e+19, 3.9853e+02, 7.2145e+00, 5.1889e+00],
[2.8727e+20, 1.2629e+02, 8.8429e+00, 4.9981e+00],
[1.0502e+18, 1.1604e+02, 1.7816e+01, 1.9040e+00],
...,
[8.0129e+18, 4.0973e+02, 7.0312e-01, 9.8420e+00],
[4.3029e+18, 1.3969e+02, 1.4574e+01, 2.5305e+00],
[2.1344e+18, 3.8284e+02, 1.4477e+00, 4.8277e+00]], dtype=torch.float64)
Target: tensor([[7.6167e+00, 5.0990e-03, 3.6102e-01],
[3.7378e+01, 1.8183e-01, 1.9937e+00],
[1.2554e-03, 4.5879e-10, 2.0148e-04],
[1.4981e+02, 4.3248e-01, 3.8411e+00],
[5.1707e-01, 4.5959e-05, 4.9520e-02],
[1.1377e-01, 4.4953e-06, 1.7529e-02],
[6.0853e+01, 3.6719e-01, 1.6891e+00],
[1.5405e+02, 5.5802e+00, 3.7175e+00],
[3.0228e+00, 1.4046e-03, 1.5916e-01],
[3.5215e+00, 1.9285e-03, 1.7656e-01],
[1.5263e+00, 1.2493e-03, 1.2168e-01],
[5.3410e+00, 9.2382e-03, 4.5785e-01],
[1.2230e+01, 2.0600e-02, 6.1476e-01],
[9.8042e+00, 5.6668e-02, 6.0459e-01],
[6.6101e+01, 8.0586e-01, 3.3705e+00],
[1.8447e+00, 9.7021e-05, 1.2662e-01],
[9.5488e-02, 3.1841e-07, 1.2548e-02],
[3.5420e-01, 2.7632e-05, 3.7951e-02],
[4.7833e+01, 5.9402e-02, 1.1741e+00],
[2.1330e+00, 1.9548e-04, 1.7875e-01],
[1.5840e+01, 6.4868e-02, 7.6753e-01],
[2.4283e+02, 3.5356e+00, 4.6886e+00],
[9.8763e-01, 3.8942e-05, 9.6287e-02],
[5.5845e+00, 1.0218e-03, 4.1746e-01],
[2.9344e+01, 2.4200e-01, 1.3198e+00],
[1.5497e+01, 5.9514e-02, 1.4669e+00],
[9.3851e-02, 2.3523e-07, 1.1752e-02],
[2.9685e-01, 2.0313e-05, 3.5802e-02],
[1.2389e+01, 4.7301e-02, 6.8904e-01],
[1.5330e+01, 9.6876e-03, 7.5765e-01],
[1.9838e+00, 1.7675e-03, 1.4660e-01],
[3.6632e+00, 8.3093e-04, 2.6449e-01],
[1.4254e+02, 8.0628e-01, 4.7208e+00],
[1.8333e+01, 1.4973e-02, 5.6260e-01],
[1.9978e-01, 1.4233e-05, 2.7185e-02],
[1.3984e+01, 2.6641e-02, 7.2023e-01],

```

[1.0921e-01, 6.5104e-06, 1.3257e-02],  
 [5.0627e+01, 3.0916e-01, 1.0670e+00],  
 [1.3327e+00, 4.8847e-04, 8.4199e-02],  
 [5.2324e+01, 6.5860e-02, 1.3905e+00],  
 [9.0294e+01, 1.1706e+00, 4.1158e+00],  
 [2.4691e+01, 2.1743e-02, 6.6843e-01],  
 [2.0682e+01, 1.9234e-01, 1.8980e+00],  
 [2.9130e+01, 2.2947e-01, 1.2136e+00],  
 [2.9445e-01, 5.0123e-05, 4.0546e-02],  
 [7.6534e+01, 6.3311e-01, 2.1037e+00],  
 [4.1925e-01, 7.7316e-05, 4.1335e-02],  
 [1.7584e+02, 3.3098e+00, 4.1790e+00],  
 [1.3842e+00, 8.7124e-04, 1.2551e-01],  
 [1.7123e+02, 4.9126e+00, 4.5037e+00],  
 [7.6326e-01, 1.3252e-04, 8.9095e-02],  
 [3.4090e+00, 1.4014e-03, 1.8343e-01],  
 [5.0732e+00, 9.0335e-04, 3.7994e-01],  
 [2.1654e+02, 4.4799e-01, 4.6628e+00],  
 [1.9965e-01, 1.2808e-05, 2.1640e-02],  
 [5.5328e-01, 5.1665e-05, 6.8458e-02],  
 [3.1317e-02, 1.0267e-06, 4.6546e-03],  
 [2.9372e+00, 8.1127e-04, 1.5739e-01],  
 [8.0337e-02, 5.0198e-06, 1.0654e-02],  
 [6.8047e-02, 2.8576e-07, 8.6333e-03],  
 [3.6239e+01, 9.9638e-02, 1.0992e+00],  
 [9.4432e+00, 4.2851e-03, 4.7261e-01],  
 [3.9102e-01, 9.5392e-06, 3.0881e-02],  
 [2.5576e+01, 2.3189e-01, 1.0138e+00],  
 [2.8251e+02, 7.6935e-01, 4.6227e+00],  
 [2.7516e+01, 1.7543e-02, 7.2381e-01],  
 [6.4190e-01, 7.1860e-05, 4.6790e-02],  
 [1.5934e+00, 6.5261e-04, 1.0206e-01],  
 [1.0201e+00, 1.4306e-05, 8.6682e-02],  
 [1.6243e+01, 5.1752e-03, 6.7889e-01],  
 [5.7695e+00, 4.2825e-03, 2.5790e-01],  
 [1.7406e+01, 1.3972e-02, 1.0559e+00],  
 [1.2265e+01, 1.2779e-02, 6.1838e-01],  
 [1.2663e+02, 9.3583e-02, 2.5280e+00],  
 [1.8699e+00, 6.9788e-04, 1.5128e-01],  
 [1.3460e+00, 7.4370e-04, 1.5814e-01],  
 [4.9243e+01, 4.1100e-01, 1.1298e+00],  
 [7.3661e+00, 4.6266e-03, 3.9398e-01],  
 [1.0299e-01, 6.0376e-06, 1.2444e-02],  
 [6.8828e-01, 1.9826e-04, 5.6540e-02],  
 [6.5515e-02, 5.4806e-06, 9.9335e-03],  
 [7.0273e+01, 1.1322e+00, 2.9785e+00],  
 [1.1266e-01, 4.2655e-06, 1.5947e-02],  
 [3.3558e-01, 3.6284e-06, 3.7918e-02],

[1.0545e+01, 4.0893e-03, 7.2120e-01],  
 [9.7453e+01, 3.6337e-01, 2.5482e+00],  
 [8.4848e+01, 4.6062e-01, 2.8357e+00],  
 [5.4064e+01, 6.3796e-01, 1.5350e+00],  
 [5.0477e+01, 1.7342e-01, 1.6537e+00],  
 [1.6804e+00, 1.4471e-03, 1.4061e-01],  
 [2.8041e-01, 6.3881e-06, 4.1541e-02],  
 [5.2721e+01, 1.1590e-01, 1.1613e+00],  
 [2.3134e+01, 5.9281e-02, 7.1050e-01],  
 [9.7612e+01, 1.5370e+00, 2.5322e+00],  
 [2.2602e+01, 7.7247e-03, 1.1412e+00],  
 [2.1534e+01, 1.6375e-01, 1.4088e+00],  
 [4.0531e-04, 1.4453e-10, 6.6174e-05],  
 [1.7006e+01, 3.0148e-02, 7.9465e-01],  
 [5.1321e-01, 3.3305e-05, 3.9815e-02],  
 [4.5263e-02, 3.0809e-07, 5.9691e-03],  
 [5.9426e+01, 1.0123e+00, 1.7165e+00],  
 [1.5195e-01, 1.3987e-05, 2.1146e-02],  
 [6.4063e+01, 2.0958e-01, 3.6648e+00],  
 [8.6829e-01, 2.5879e-04, 6.7430e-02],  
 [1.4893e+02, 6.9040e+00, 4.6993e+00],  
 [8.7314e+01, 7.9226e-02, 2.2178e+00],  
 [9.4854e-01, 2.8398e-04, 9.0197e-02],  
 [1.8895e+00, 2.8293e-03, 1.8840e-01],  
 [3.6613e+00, 5.2231e-03, 2.8412e-01],  
 [1.2991e-01, 7.8245e-06, 1.4717e-02],  
 [1.6615e+01, 2.0893e-02, 1.2983e+00],  
 [4.3603e-01, 7.8149e-06, 4.2532e-02],  
 [1.7455e+02, 6.3668e-01, 3.9141e+00],  
 [4.6240e+01, 1.3422e-01, 2.6772e+00],  
 [7.5610e+00, 1.5438e-02, 7.5615e-01],  
 [8.1212e-02, 2.9819e-06, 1.2632e-02],  
 [7.6052e-01, 6.0018e-05, 5.9696e-02],  
 [7.3546e+00, 3.2145e-03, 4.7161e-01],  
 [1.7396e+01, 2.1290e-02, 1.4048e+00],  
 [4.0803e-01, 7.9706e-05, 3.8935e-02],  
 [2.1984e-01, 2.7799e-05, 2.4230e-02],  
 [2.2985e+01, 9.6678e-02, 1.3323e+00],  
 [1.3837e+02, 1.7753e+00, 3.3405e+00],  
 [1.8598e+00, 8.7764e-04, 1.3916e-01],  
 [1.7943e+00, 4.0860e-03, 1.9473e-01],  
 [1.3902e+02, 4.3581e+00, 3.6269e+00],  
 [4.5989e+01, 1.6194e-01, 1.5782e+00],  
 [2.4477e+00, 1.3493e-03, 2.5630e-01],  
 [6.0540e+01, 2.2056e-01, 2.1720e+00],  
 [4.5768e+00, 7.3373e-03, 3.4648e-01],  
 [1.1380e+01, 4.4284e-03, 4.8196e-01],  
 [3.5053e+01, 3.3933e-01, 1.1102e+00],

[8.4174e+00, 3.7494e-03, 5.2749e-01],  
[1.4117e+00, 8.5734e-04, 1.6850e-01],  
[1.6525e+01, 6.4210e-02, 7.7419e-01],  
[2.4947e+01, 1.5167e-01, 1.1584e+00],  
[2.3163e-02, 8.8705e-08, 3.3022e-03],  
[7.2022e-01, 2.6830e-04, 8.7723e-02],  
[1.4785e+02, 2.1585e+00, 2.9638e+00],  
[4.1112e+01, 1.8607e-01, 1.1533e+00],  
[2.8432e+01, 1.3494e-01, 8.4630e-01],  
[1.7088e+00, 3.4493e-03, 1.8174e-01],  
[5.4848e-01, 6.1613e-05, 5.5329e-02],  
[2.3525e+01, 1.0866e-01, 1.9505e+00],  
[9.3192e+00, 1.6529e-02, 4.9266e-01],  
[8.0463e+01, 2.0430e-01, 1.6983e+00],  
[6.8662e-02, 3.2129e-06, 9.9509e-03],  
[2.1893e+02, 1.2668e+01, 4.9223e+00],  
[5.4969e+01, 3.8496e-01, 2.1202e+00],  
[1.0210e-01, 4.0269e-06, 1.3994e-02],  
[2.2597e+01, 7.0975e-02, 6.0752e-01],  
[3.1828e+01, 1.6988e-01, 7.8290e-01],  
[3.3340e+01, 1.8463e-01, 1.3836e+00],  
[9.0226e+00, 1.8157e-02, 4.9101e-01],  
[3.3413e-01, 1.6827e-05, 4.1773e-02],  
[1.9829e+01, 2.0468e-01, 1.7757e+00],  
[8.6984e+00, 2.0577e-02, 5.9823e-01],  
[8.5090e+00, 1.0158e-02, 9.7106e-01],  
[1.1447e+01, 4.2354e-02, 7.1381e-01],  
[1.0329e-02, 3.9592e-08, 1.5461e-03],  
[7.6122e+01, 4.2178e-01, 2.1154e+00],  
[2.1867e+01, 9.6157e-02, 7.4570e-01],  
[1.1928e+02, 1.2215e+00, 3.9361e+00],  
[1.1512e-01, 4.3084e-06, 1.7087e-02],  
[1.9028e+00, 1.2221e-03, 1.6982e-01],  
[3.4856e-01, 4.4231e-05, 2.9021e-02],  
[8.0186e+00, 8.8812e-03, 5.2690e-01],  
[1.6654e+00, 1.1761e-03, 2.2463e-01],  
[7.4845e+01, 1.2900e+00, 3.1553e+00],  
[3.1723e+00, 2.1197e-03, 2.9388e-01],  
[6.9827e+01, 2.6587e-01, 2.8787e+00],  
[5.9111e+00, 8.3175e-03, 6.1884e-01],  
[5.4502e+00, 9.7532e-04, 2.5725e-01],  
[4.5282e-02, 6.0058e-07, 6.0544e-03],  
[1.0561e+00, 1.9544e-04, 1.1352e-01],  
[6.8892e-02, 6.9939e-07, 9.4235e-03],  
[6.3632e+00, 5.3888e-03, 3.7030e-01],  
[1.1915e+00, 1.5331e-03, 1.5590e-01],  
[8.3761e-01, 9.1811e-05, 8.3291e-02],  
[2.7129e-02, 7.9692e-08, 3.7493e-03],

[9.8448e+01, 1.8177e-01, 4.0034e+00],  
 [4.3622e+00, 6.6203e-03, 4.2898e-01],  
 [3.5323e+01, 3.1949e-02, 1.2337e+00],  
 [1.7511e-01, 2.2430e-05, 2.3729e-02],  
 [1.8891e+02, 2.5362e+00, 4.8699e+00],  
 [2.6228e+01, 1.0886e-01, 7.0646e-01],  
 [6.6211e-02, 3.0336e-06, 9.1876e-03],  
 [6.2177e+01, 2.3064e-01, 1.7472e+00],  
 [8.4147e-02, 5.5604e-06, 1.0248e-02],  
 [4.1587e+01, 1.8465e-01, 1.8175e+00],  
 [1.6888e+01, 3.7323e-02, 6.0583e-01],  
 [1.3773e+00, 1.4852e-04, 1.7153e-01],  
 [2.3616e+00, 1.6925e-04, 1.7712e-01],  
 [1.8262e+02, 3.4495e+00, 4.1706e+00],  
 [1.0694e+00, 4.2296e-04, 1.1011e-01],  
 [8.9778e+01, 1.7111e+00, 3.5563e+00],  
 [5.3566e-02, 1.8992e-06, 7.6779e-03],  
 [8.3414e+00, 2.3388e-02, 5.1257e-01],  
 [2.9377e+01, 1.6766e-01, 1.7398e+00],  
 [2.8672e+00, 2.5310e-04, 1.8984e-01],  
 [6.2814e+00, 3.5342e-02, 5.9412e-01],  
 [7.0602e+01, 6.7207e-01, 2.8613e+00],  
 [5.7580e+01, 4.2580e-01, 1.5505e+00],  
 [1.5912e+02, 6.9018e+00, 4.2634e+00],  
 [1.3538e+00, 1.9059e-04, 1.5238e-01],  
 [1.4694e-02, 6.3993e-08, 2.2568e-03],  
 [7.0027e+00, 1.5526e-02, 6.1910e-01],  
 [8.0188e+00, 7.4595e-03, 4.7714e-01],  
 [1.4589e+01, 8.3654e-02, 6.7671e-01],  
 [7.3887e+00, 1.2238e-02, 4.0739e-01],  
 [1.4579e+01, 2.5436e-02, 6.1914e-01],  
 [2.9064e+00, 8.6598e-04, 2.9915e-01],  
 [5.4209e+00, 2.7718e-03, 3.9696e-01],  
 [2.4608e-02, 1.8544e-07, 3.7320e-03],  
 [6.7596e-01, 1.9700e-04, 6.9711e-02],  
 [6.0642e-01, 1.9500e-04, 6.2864e-02],  
 [1.6049e+01, 4.4264e-02, 1.4929e+00],  
 [1.6839e+01, 6.6319e-02, 9.1986e-01],  
 [1.3061e+00, 8.3167e-05, 9.2251e-02],  
 [1.5759e-01, 8.7435e-06, 1.7390e-02],  
 [1.0533e+01, 1.3585e-02, 1.0539e+00],  
 [1.3658e+01, 3.5295e-02, 1.1134e+00],  
 [8.9363e+00, 2.1484e-02, 5.3447e-01],  
 [1.5377e+01, 9.3946e-02, 8.1320e-01],  
 [1.8425e+01, 2.2469e-02, 6.7576e-01],  
 [8.8489e+01, 1.0561e+00, 2.0365e+00],  
 [1.5324e+01, 1.7756e-02, 6.8229e-01],  
 [1.3226e+01, 1.1318e-02, 5.8751e-01],

[4.6067e+00, 4.9815e-03, 2.9008e-01],  
 [3.4887e+01, 2.2189e-01, 1.3718e+00],  
 [1.9489e+00, 3.9368e-04, 1.1181e-01],  
 [5.2217e-02, 2.2138e-07, 7.1530e-03],  
 [2.7371e-01, 4.9033e-05, 3.1393e-02],  
 [3.9506e+00, 3.5013e-03, 2.6986e-01],  
 [1.7443e+01, 3.1561e-02, 5.3375e-01],  
 [8.0860e-01, 2.6131e-04, 8.4863e-02],  
 [2.0720e+01, 1.2004e-01, 7.9915e-01],  
 [3.7676e+01, 1.6333e-01, 9.4848e-01],  
 [1.5524e-01, 4.0226e-06, 1.8261e-02],  
 [1.6240e+00, 5.5274e-04, 1.3812e-01],  
 [5.0329e-01, 6.2710e-05, 4.3614e-02],  
 [2.5791e+01, 1.6827e-01, 9.9668e-01],  
 [7.0724e+00, 8.2368e-03, 3.4668e-01],  
 [2.6160e-01, 2.5236e-05, 2.7428e-02],  
 [1.5493e+02, 4.1131e+00, 4.7145e+00],  
 [4.5094e+01, 5.5613e-01, 1.6803e+00],  
 [1.3035e+02, 4.1935e+00, 3.9430e+00],  
 [6.8098e+00, 1.1040e-02, 4.2529e-01],  
 [1.2741e-01, 1.5837e-05, 1.6089e-02],  
 [7.6820e+01, 7.2718e-01, 3.2704e+00],  
 [2.1082e+01, 2.7913e-02, 6.8781e-01],  
 [3.3061e+01, 2.5704e-01, 9.6264e-01],  
 [9.9627e-03, 5.2253e-08, 1.5743e-03],  
 [1.7306e+02, 6.2960e+00, 3.3993e+00],  
 [6.6852e-02, 4.0857e-06, 9.3387e-03],  
 [1.8937e+00, 1.5223e-03, 2.3841e-01],  
 [3.1632e+01, 1.2967e-01, 1.2402e+00],  
 [2.7698e+01, 1.7697e-01, 1.4840e+00],  
 [8.6559e-02, 1.6287e-06, 1.2642e-02],  
 [4.2502e+01, 3.1079e-01, 2.9569e+00],  
 [8.8555e+00, 7.7453e-03, 5.0694e-01],  
 [5.1473e+01, 7.1244e-01, 3.1036e+00],  
 [1.5890e-01, 5.0010e-06, 2.0006e-02],  
 [3.0333e+00, 2.8432e-03, 1.9547e-01],  
 [3.9517e-01, 1.2369e-05, 3.0528e-02],  
 [1.0365e+00, 7.7267e-05, 6.6282e-02],  
 [7.6837e+01, 5.3742e-01, 2.2934e+00],  
 [1.0502e+01, 6.1159e-02, 7.6343e-01],  
 [1.1519e+01, 2.2790e-03, 3.6404e-01],  
 [6.3727e-01, 5.4491e-05, 7.8725e-02],  
 [2.6978e-01, 3.4630e-05, 2.8149e-02],  
 [3.7074e+00, 5.6254e-03, 2.5888e-01],  
 [3.3718e+00, 3.1352e-03, 1.9321e-01],  
 [2.3453e+01, 3.2910e-02, 1.0957e+00],  
 [1.1140e+02, 3.8786e+00, 3.7577e+00],  
 [3.2371e-01, 2.4275e-06, 3.1445e-02],

```

[2.8948e-03, 6.0595e-09, 4.5697e-04],
[5.7328e-02, 9.0063e-07, 7.2430e-03],
[6.1972e+01, 4.3403e-02, 1.5603e+00],
[4.9756e-02, 2.8032e-06, 7.0461e-03],
[7.6651e+01, 9.8922e-01, 1.7304e+00],
[2.0190e+00, 7.6289e-04, 1.9277e-01],
[1.1750e+00, 1.0306e-04, 8.7371e-02],
[1.3393e+01, 8.5137e-03, 9.4374e-01],
[1.1917e-02, 2.5683e-07, 1.7904e-03],
[2.7138e+01, 6.7801e-03, 8.2629e-01],
[1.5896e+01, 2.3778e-02, 5.7651e-01],
[1.4684e+01, 6.6895e-02, 7.9468e-01],
[1.2261e+00, 2.9770e-04, 1.5178e-01],
[1.9768e-01, 9.9879e-06, 1.9235e-02],
[1.3497e+02, 1.2955e+00, 2.9974e+00],
[9.5221e-01, 9.8023e-04, 1.2106e-01],
[8.2659e-01, 8.8178e-05, 1.1078e-01],
[1.5847e+00, 5.0535e-04, 1.2809e-01],
[4.9774e+00, 9.0473e-03, 3.6425e-01],
[1.1197e+00, 5.8476e-04, 1.2097e-01],
[4.9494e+00, 7.9129e-03, 2.6766e-01],
[3.8397e+00, 1.5619e-03, 2.3893e-01],
[1.9338e+00, 2.0934e-03, 2.4795e-01],
[1.0495e+01, 1.1046e-02, 7.6227e-01],
[9.9818e-02, 5.1660e-06, 1.2743e-02],
[1.4015e+01, 9.7142e-02, 1.0829e+00],
[7.3174e+01, 8.5769e-02, 2.0334e+00],
[1.4338e-02, 1.5306e-08, 2.1852e-03],
[2.6466e+01, 2.0140e-02, 1.2243e+00],
[1.0185e+02, 1.3689e-01, 3.2077e+00],
[8.8231e-02, 2.2766e-06, 1.2936e-02],
[9.9214e-01, 1.5076e-04, 1.0390e-01],
[9.3453e-01, 3.1067e-04, 8.2578e-02],
[5.5377e+01, 1.3034e+00, 2.2809e+00],
[1.6533e+01, 9.1970e-02, 6.7196e-01],
[1.1799e+01, 3.9197e-02, 6.6955e-01],
[3.8317e-01, 5.8002e-05, 3.4371e-02],
[1.1898e+01, 3.2010e-02, 5.8056e-01],
[7.7631e+00, 1.7350e-03, 2.9698e-01],
[2.7368e-01, 3.2068e-06, 3.4193e-02],
[8.1704e+01, 1.6145e-01, 1.6765e+00],
[7.5702e+00, 6.0806e-03, 2.6559e-01],
[4.8376e-02, 6.2645e-07, 7.0612e-03],
[1.1646e+00, 5.9606e-05, 7.0627e-02]], dtype=torch.float64)
Iteration: 124
Inputs: tensor([[6.9751e+20, 3.0288e+02, 7.7064e+00, 6.6574e+00],
               [4.3820e+20, 7.8132e+01, 5.0425e+00, 7.7821e+00],
               [3.1573e+18, 3.3577e+02, 1.8046e+01, 3.4700e+00],

```

```

...,
[3.9072e+18, 3.3532e+01, 7.9551e+00, 5.3255e+00],
[2.2111e+19, 4.7095e+02, 1.7166e+01, 4.4822e+00],
[1.6002e+20, 3.8462e+02, 1.6802e+01, 2.7373e+00]], dtype=torch.float64)
Target: tensor([[1.7382e+02, 3.1604e+00, 4.1555e+00],
[5.2870e+01, 4.8980e-01, 2.6169e+00],
[1.7870e-01, 9.7997e-06, 2.2015e-02],
[4.2411e+00, 7.5064e-03, 3.5455e-01],
[3.8365e-01, 3.8491e-05, 3.6828e-02],
[5.2984e+01, 5.9166e-01, 1.6244e+00],
[3.2417e-02, 6.3900e-07, 4.8653e-03],
[9.1265e+00, 2.4310e-02, 4.2856e-01],
[2.4070e+00, 6.0822e-04, 2.2211e-01],
[3.2807e+01, 1.8656e-01, 1.1605e+00],
[9.1333e-02, 1.0406e-05, 1.3087e-02],
[2.5455e-01, 2.6307e-05, 2.5487e-02],
[5.6625e+00, 9.7936e-03, 3.2559e-01],
[1.2617e+00, 2.0417e-04, 1.1193e-01],
[1.8869e+00, 9.8427e-04, 1.7154e-01],
[9.9111e-04, 1.6690e-10, 1.6131e-04],
[1.5910e+00, 1.7950e-04, 1.2678e-01],
[1.4576e-01, 8.0860e-06, 1.8973e-02],
[8.8153e+01, 3.3516e+00, 3.9978e+00],
[7.3327e-01, 9.5759e-05, 9.2121e-02],
[4.2269e+01, 3.3928e-01, 1.6584e+00],
[5.4046e+01, 2.0110e-02, 1.5387e+00],
[6.6208e+01, 9.1036e-02, 1.9053e+00],
[1.0710e+02, 1.2299e+00, 3.3305e+00],
[6.1057e-01, 2.1348e-04, 5.4018e-02],
[2.3984e-02, 2.4489e-07, 3.4796e-03],
[6.1957e+01, 9.9248e-01, 1.8131e+00],
[1.1932e+00, 2.8895e-04, 1.6365e-01],
[1.4074e+01, 2.5653e-02, 5.3790e-01],
[2.5467e-01, 3.2460e-05, 2.6121e-02],
[1.3984e+01, 4.7608e-02, 6.0355e-01],
[3.7748e+00, 1.3593e-03, 2.7368e-01],
[2.7368e-04, 2.1078e-11, 4.4867e-05],
[2.4980e+01, 2.0579e-01, 9.7134e-01],
[1.4546e+01, 5.8444e-02, 6.9290e-01],
[8.9839e+01, 5.3121e-01, 3.8547e+00],
[7.4196e+00, 4.1718e-03, 4.5895e-01],
[2.9921e+00, 2.6624e-03, 2.1789e-01],
[6.7038e+01, 1.0266e-01, 2.6544e+00],
[1.2478e+01, 3.8207e-03, 6.9341e-01],
[1.3471e+02, 4.3063e+00, 4.1161e+00],
[8.2777e+01, 1.2067e+00, 1.9726e+00],
[1.0704e+01, 3.2871e-03, 8.1190e-01],
[5.2587e-02, 1.3744e-07, 6.9640e-03],

```



[2.1775e-01, 1.1620e-05, 2.9358e-02],  
[9.4378e+00, 1.5148e-02, 4.2945e-01],  
[7.3011e+01, 5.7477e-01, 2.3030e+00],  
[1.1519e-03, 1.7808e-10, 1.8690e-04],  
[1.0276e-01, 7.3034e-06, 1.3189e-02],  
[4.7024e+00, 1.5372e-02, 5.1503e-01],  
[2.1392e+01, 3.7543e-02, 8.2953e-01],  
[7.6343e-01, 6.9013e-06, 5.4231e-02],  
[2.8693e+02, 9.3342e+00, 4.5258e+00],  
[3.2035e+01, 2.8295e-01, 1.1346e+00],  
[5.4214e+01, 6.5943e-02, 1.6329e+00],  
[7.2544e+01, 5.8940e-01, 2.5375e+00],  
[5.6024e-02, 1.7593e-06, 7.4180e-03],  
[5.7660e+01, 3.9799e-01, 1.7746e+00],  
[4.0598e-01, 2.9488e-05, 3.6724e-02],  
[1.1637e+00, 7.5036e-04, 1.4022e-01],  
[1.0340e+01, 1.6730e-02, 7.0309e-01],  
[3.3174e+00, 2.3218e-03, 1.8114e-01],  
[2.3794e+00, 4.2301e-04, 1.1841e-01],  
[4.4011e+01, 2.1792e-01, 1.1755e+00],  
[4.9611e+01, 1.9805e-01, 1.0931e+00],  
[9.7122e+00, 4.2118e-02, 6.2657e-01],  
[6.8098e-01, 1.6759e-04, 9.8487e-02],  
[3.0041e-01, 2.3461e-05, 2.9759e-02],  
[1.5837e+01, 6.7737e-02, 6.3895e-01],  
[1.3004e+00, 2.5237e-04, 1.7401e-01],  
[5.5482e+00, 3.4540e-04, 2.5101e-01],  
[5.6956e+01, 2.9574e-02, 1.2845e+00],  
[7.5198e+00, 1.4215e-02, 3.7363e-01],  
[4.8524e+01, 1.5275e-01, 1.6323e+00],  
[1.6741e+00, 1.3400e-03, 1.4298e-01],  
[4.3460e+00, 1.7644e-03, 4.5994e-01],  
[3.1765e-01, 2.6728e-05, 2.9403e-02],  
[3.9736e+01, 2.4759e-01, 1.9401e+00],  
[3.1808e+00, 8.3282e-04, 3.1668e-01],  
[1.2111e-01, 3.9128e-06, 1.4428e-02],  
[1.1465e+01, 4.4447e-03, 6.8949e-01],  
[1.1142e+01, 9.4099e-03, 4.3243e-01],  
[4.9756e+01, 3.2403e-01, 2.1145e+00],  
[1.2920e+00, 4.1909e-04, 1.0813e-01],  
[6.5005e+01, 1.8628e-01, 2.8899e+00],  
[1.9567e+00, 9.7536e-04, 1.3235e-01],  
[1.1034e+02, 2.8921e-01, 4.2855e+00],  
[1.6841e+01, 4.8291e-02, 9.8288e-01],  
[2.2590e+01, 1.8345e-02, 1.1756e+00],  
[2.6642e+00, 1.2624e-03, 1.9625e-01],  
[6.1591e+00, 5.9023e-03, 5.4190e-01],  
[5.2287e+00, 2.6911e-03, 3.3055e-01],

[1.1806e+02, 2.4385e+00, 4.3273e+00],  
[1.8204e+00, 7.4267e-04, 2.0810e-01],  
[2.8426e-01, 1.6484e-05, 3.3519e-02],  
[1.8119e+01, 2.0794e-02, 8.2151e-01],  
[1.7503e+01, 4.1942e-02, 6.4818e-01],  
[1.3171e-01, 7.2794e-06, 1.7365e-02],  
[5.0089e+00, 1.1733e-02, 3.0874e-01],  
[5.5041e+01, 2.6210e-01, 1.9688e+00],  
[2.1442e-01, 1.3704e-05, 3.0440e-02],  
[1.5581e+02, 5.4368e+00, 4.1738e+00],  
[1.0902e+01, 2.0779e-02, 5.2896e-01],  
[1.8155e+01, 7.7673e-02, 7.0435e-01],  
[1.7562e+01, 8.5893e-02, 8.4124e-01],  
[1.5066e+01, 4.7439e-02, 7.1093e-01],  
[5.0709e-01, 1.6993e-04, 6.3477e-02],  
[2.3379e+01, 1.1632e-01, 1.0591e+00],  
[8.9802e+00, 9.7660e-03, 9.2722e-01],  
[1.3350e+01, 2.5518e-02, 4.8649e-01],  
[1.5794e-01, 8.3937e-06, 1.9263e-02],  
[5.3491e-02, 5.7995e-07, 6.9816e-03],  
[7.7433e+00, 1.5564e-02, 5.5542e-01],  
[6.3809e-01, 8.8305e-05, 7.8418e-02],  
[6.5569e+00, 5.9585e-03, 3.0983e-01],  
[3.2431e+01, 9.8001e-02, 1.2147e+00],  
[7.2211e+00, 8.7884e-03, 3.6379e-01],  
[8.8866e+01, 7.2572e-01, 2.0422e+00],  
[3.0456e+00, 1.9330e-03, 3.4454e-01],  
[2.9693e+00, 6.6019e-03, 2.9283e-01],  
[2.1656e-03, 5.6908e-09, 3.4813e-04],  
[2.4807e+00, 1.5608e-03, 1.5222e-01],  
[6.9533e-01, 7.2537e-05, 6.4522e-02],  
[3.4510e-01, 5.7571e-05, 3.2324e-02],  
[2.4309e+01, 6.8174e-03, 8.8451e-01],  
[1.3496e+00, 4.1390e-04, 1.0861e-01],  
[6.3993e+00, 1.5820e-02, 4.2493e-01],  
[1.2435e+00, 9.1985e-04, 1.0029e-01],  
[9.5763e-01, 1.0562e-04, 9.4066e-02],  
[1.9798e+00, 9.4817e-04, 1.8233e-01],  
[8.6132e-01, 2.1333e-04, 8.7744e-02],  
[5.6567e+01, 1.1753e+00, 2.3026e+00],  
[1.3759e-01, 1.3676e-05, 1.7653e-02],  
[1.7794e-01, 9.5314e-06, 1.9979e-02],  
[3.3095e+00, 7.3450e-03, 2.9133e-01],  
[8.5389e-02, 1.5923e-06, 1.1476e-02],  
[9.3421e+00, 7.9358e-03, 6.1548e-01],  
[1.1194e+02, 2.5904e+00, 2.6472e+00],  
[5.0161e+01, 4.9969e-02, 1.8176e+00],  
[1.3492e-01, 1.0079e-05, 1.5178e-02],

[1.9884e+01, 5.8370e-02, 1.4485e+00],  
[1.5712e+00, 1.5094e-04, 9.2764e-02],  
[2.0791e+02, 1.7482e-01, 4.7748e+00],  
[1.6026e+02, 4.1884e+00, 4.7853e+00],  
[1.4949e+02, 1.4214e+00, 4.7451e+00],  
[1.9397e+02, 3.5741e-01, 4.2841e+00],  
[6.5681e+00, 1.0518e-02, 3.7596e-01],  
[5.6204e-01, 6.5585e-06, 3.9254e-02],  
[8.3949e+01, 3.0133e-01, 2.3259e+00],  
[1.4462e+00, 2.9161e-04, 1.3366e-01],  
[2.4664e-01, 1.1184e-05, 2.6273e-02],  
[6.6456e-01, 2.8369e-04, 7.3734e-02],  
[7.5511e+01, 6.5715e-01, 1.8343e+00],  
[7.9268e-01, 4.6413e-04, 7.8146e-02],  
[6.8863e-01, 1.8138e-04, 6.8496e-02],  
[4.8226e-03, 6.8924e-09, 7.6124e-04],  
[3.4863e-02, 5.7490e-07, 4.9062e-03],  
[3.6472e-01, 4.9279e-05, 3.8485e-02],  
[1.5324e-02, 2.9097e-07, 2.2960e-03],  
[7.3988e+00, 1.9779e-02, 5.2389e-01],  
[4.8328e+00, 5.6458e-03, 3.7116e-01],  
[3.4065e-02, 1.3381e-06, 4.6035e-03],  
[5.2703e+00, 6.1669e-03, 4.5091e-01],  
[1.9176e-01, 8.2593e-06, 2.6691e-02],  
[1.0625e-01, 1.7146e-06, 1.2419e-02],  
[2.1593e-01, 1.0202e-05, 2.2713e-02],  
[2.4676e+00, 2.4899e-04, 1.7583e-01],  
[7.7752e-02, 3.3797e-06, 1.0104e-02],  
[2.2094e+01, 2.7368e-02, 1.3204e+00],  
[2.3299e+01, 4.6289e-02, 8.9871e-01],  
[1.0832e+01, 1.1350e-02, 4.3390e-01],  
[3.9623e+00, 2.5552e-03, 2.8116e-01],  
[1.3615e+01, 7.8466e-03, 4.0773e-01],  
[8.1116e-02, 2.5434e-06, 9.6500e-03],  
[7.5812e+00, 2.0795e-02, 3.9898e-01],  
[4.6089e-03, 2.9449e-09, 7.2144e-04],  
[5.2221e-02, 2.2062e-07, 7.1077e-03],  
[1.3304e-02, 5.5936e-08, 1.9911e-03],  
[3.6874e-01, 5.6266e-05, 5.1626e-02],  
[5.7856e+01, 8.9987e-01, 2.4454e+00],  
[2.5552e+00, 9.3340e-04, 2.1614e-01],  
[5.8044e+01, 1.2409e+00, 3.4797e+00],  
[8.3807e+01, 1.8879e+00, 2.0497e+00],  
[8.8174e-01, 9.0064e-05, 9.0147e-02],  
[2.3097e+02, 1.1212e+00, 4.4499e+00],  
[1.2324e+02, 5.4923e-01, 3.4838e+00],  
[1.0728e+00, 3.1254e-05, 1.0431e-01],  
[4.3816e+00, 3.6477e-03, 2.9381e-01],

[1.1234e+01, 2.6831e-03, 6.2402e-01],  
[4.0485e+00, 6.7566e-04, 3.7488e-01],  
[9.9737e-01, 1.8756e-05, 8.6648e-02],  
[4.8140e-01, 4.6391e-05, 5.7700e-02],  
[1.4282e-01, 5.3061e-06, 1.9368e-02],  
[1.7846e+02, 9.8859e-01, 4.2616e+00],  
[3.7086e+00, 1.2109e-02, 3.9177e-01],  
[3.7148e+01, 4.8961e-02, 1.0184e+00],  
[8.4797e-02, 3.8906e-06, 1.0100e-02],  
[1.7973e+02, 4.8966e+00, 3.5562e+00],  
[1.0474e+01, 4.0716e-03, 4.3725e-01],  
[1.0409e+01, 2.8324e-02, 4.8810e-01],  
[4.9077e+01, 2.1304e-01, 1.8224e+00],  
[3.5322e-02, 1.1662e-06, 5.0492e-03],  
[4.9051e+01, 1.4478e-01, 1.7677e+00],  
[5.1902e+00, 6.7794e-03, 3.2428e-01],  
[1.5834e+02, 2.3559e+00, 4.4097e+00],  
[3.9119e+00, 2.5704e-03, 2.5297e-01],  
[2.3028e+00, 1.3170e-03, 1.3440e-01],  
[1.6565e+02, 5.0677e+00, 4.8322e+00],  
[1.0419e-02, 1.7339e-07, 1.6222e-03],  
[2.4953e-01, 5.4890e-05, 3.2306e-02],  
[6.2592e+00, 1.0021e-02, 3.7629e-01],  
[1.5829e-01, 2.8314e-05, 2.2161e-02],  
[8.5946e-02, 2.0906e-06, 1.1554e-02],  
[7.2257e-01, 4.0011e-05, 6.8629e-02],  
[4.9654e+00, 3.9736e-04, 2.7680e-01],  
[4.4258e-02, 1.5453e-06, 6.0857e-03],  
[3.0793e-01, 3.0376e-05, 4.3614e-02],  
[2.1439e+02, 6.4350e+00, 4.4271e+00],  
[8.9155e+01, 5.9301e-01, 2.4349e+00],  
[3.2429e+02, 1.1730e+01, 4.9155e+00],  
[1.3540e+01, 5.2167e-03, 7.3565e-01],  
[3.7345e+01, 8.5328e-02, 1.2311e+00],  
[9.7968e+01, 1.6433e+00, 3.8987e+00],  
[2.0195e+00, 1.2214e-03, 1.5059e-01],  
[5.0729e+01, 5.3617e-01, 1.8530e+00],  
[2.7232e+01, 1.9859e-01, 9.9425e-01],  
[1.0929e+00, 7.0826e-05, 9.9312e-02],  
[2.2206e+01, 2.0346e-01, 1.2433e+00],  
[1.9607e-01, 2.0678e-05, 2.5046e-02],  
[8.4606e-01, 2.4368e-04, 9.0457e-02],  
[2.7598e+01, 1.4171e-01, 1.7266e+00],  
[7.0297e-01, 6.7645e-05, 4.9870e-02],  
[7.0174e-01, 2.2744e-05, 6.9454e-02],  
[7.1392e+01, 1.3336e+00, 2.0142e+00],  
[3.6357e+00, 9.7846e-04, 4.0031e-01],  
[4.3883e+01, 4.2445e-01, 2.9302e+00],

[2.4602e+01, 7.5887e-02, 1.5385e+00],  
[2.1496e-01, 1.8663e-05, 2.5899e-02],  
[1.3707e+02, 5.1945e-01, 4.3948e+00],  
[5.3868e+00, 1.8971e-02, 6.1264e-01],  
[4.4559e+01, 7.1081e-01, 2.3898e+00],  
[3.5927e+00, 4.4066e-04, 2.1602e-01],  
[1.1964e-01, 6.1796e-06, 1.4442e-02],  
[1.4079e+01, 2.7441e-02, 4.2938e-01],  
[2.4240e+01, 2.3164e-02, 1.9923e+00],  
[2.5438e+00, 1.1986e-03, 2.5625e-01],  
[2.9313e+01, 9.8553e-02, 1.9202e+00],  
[5.3434e+01, 1.9837e-01, 1.3085e+00],  
[5.2723e-03, 2.9116e-08, 8.2566e-04],  
[1.7346e+01, 5.3855e-02, 7.7543e-01],  
[6.4726e+01, 6.9206e-01, 3.5500e+00],  
[7.3794e+01, 9.6074e-01, 2.6641e+00],  
[3.4872e+00, 2.0308e-03, 3.4466e-01],  
[9.7196e-01, 1.2006e-04, 6.4309e-02],  
[1.0336e+02, 1.2849e+00, 3.2557e+00],  
[2.8566e+01, 1.2574e-01, 8.1737e-01],  
[4.4125e-03, 8.9351e-09, 6.8847e-04],  
[7.1719e+00, 8.9415e-03, 2.9732e-01],  
[3.3129e+00, 1.3295e-02, 3.7547e-01],  
[4.1739e-02, 4.4463e-07, 6.0353e-03],  
[2.7354e+00, 3.7197e-03, 2.5911e-01],  
[4.1541e+00, 2.8948e-03, 2.9547e-01],  
[4.0873e-01, 1.7523e-05, 5.4738e-02],  
[2.0234e+02, 7.4838e+00, 4.6398e+00],  
[2.0638e-01, 1.0051e-05, 2.4197e-02],  
[2.1577e+00, 8.3784e-04, 1.7280e-01],  
[5.8496e-01, 2.6881e-04, 6.5836e-02],  
[3.0351e-01, 2.3070e-05, 2.8249e-02],  
[1.9021e-02, 3.6085e-07, 2.8638e-03],  
[2.1148e+02, 2.4878e-01, 4.7012e+00],  
[1.8782e+00, 1.5568e-03, 1.3815e-01],  
[4.0928e+01, 4.0431e-01, 2.3699e+00],  
[2.6407e+01, 2.4985e-01, 2.1300e+00],  
[2.8863e+01, 1.5618e-01, 1.0093e+00],  
[8.2149e-02, 2.3479e-06, 1.0281e-02],  
[1.3793e+02, 2.5129e+00, 4.2037e+00],  
[3.3151e-01, 2.9260e-05, 2.8815e-02],  
[7.3493e+00, 6.0136e-03, 3.7068e-01],  
[1.7717e+01, 5.8050e-02, 9.6371e-01],  
[1.2467e+02, 2.1721e+00, 3.5147e+00],  
[7.2268e-01, 4.0495e-04, 9.6876e-02],  
[5.7456e-01, 9.2228e-05, 5.4434e-02],  
[4.7712e+01, 2.5209e-01, 1.7749e+00],  
[1.1081e+02, 9.2745e-01, 3.4536e+00],

```

[1.4665e-03, 1.7846e-09, 2.3567e-04],
[1.6885e+02, 1.5472e+00, 3.7324e+00],
[4.3746e+00, 8.2546e-03, 3.0783e-01],
[8.8993e+00, 1.7904e-02, 4.3266e-01],
[2.4219e-03, 4.0431e-09, 3.8580e-04],
[4.7105e+01, 2.1347e-01, 1.1626e+00],
[8.5180e+00, 2.7370e-02, 4.1649e-01],
[7.2244e+01, 5.6548e-01, 3.0634e+00],
[1.5939e+00, 9.1429e-05, 1.2071e-01],
[3.6988e+00, 1.2375e-02, 3.6035e-01],
[7.2423e-01, 7.6412e-05, 5.4779e-02],
[1.3304e+01, 2.7753e-02, 8.8551e-01],
[6.2124e+01, 3.8235e-01, 2.6889e+00],
[5.3087e+01, 5.9293e-01, 1.3485e+00],
[3.6864e+01, 4.1444e-01, 1.7375e+00],
[1.7563e+01, 1.0698e-01, 7.5387e-01],
[2.2626e+00, 5.9654e-04, 1.6112e-01],
[1.5216e+01, 1.0009e-01, 9.2005e-01],
[1.7702e+01, 6.0808e-02, 7.0320e-01],
[3.9687e+00, 1.4241e-02, 3.9099e-01],
[1.0871e-02, 6.1182e-08, 1.6549e-03],
[8.3149e+01, 7.6754e-02, 2.1899e+00],
[1.1445e-02, 2.3917e-08, 1.7365e-03],
[5.1725e+01, 5.6473e-02, 2.5703e+00],
[3.7256e+00, 4.8203e-03, 2.3169e-01],
[1.5484e+02, 4.0345e+00, 3.7399e+00],
[1.6505e+02, 4.7830e+00, 3.7506e+00],
[8.1348e-01, 4.0065e-05, 8.0134e-02],
[1.2286e+00, 3.2205e-04, 1.4146e-01],
[4.1532e+01, 5.0561e-01, 1.8395e+00],
[5.7319e+00, 4.1576e-03, 4.3381e-01],
[7.7301e+01, 1.8599e+00, 2.7164e+00],
[9.0787e-01, 3.3171e-04, 9.1540e-02],
[1.6928e-02, 1.4526e-07, 2.6040e-03],
[7.4041e+00, 9.3071e-03, 4.2330e-01],
[2.8528e+01, 8.0526e-02, 1.4740e+00]], dtype=torch.float64)
Iteration: 125
Inputs: tensor([[6.2148e+20, 1.1755e+02, 1.8458e+01, 5.9450e+00],
               [7.3402e+18, 3.1930e+02, 9.5417e+00, 4.6371e+00],
               [1.7636e+20, 4.5594e+02, 1.0856e+01, 7.9253e+00],
               ...,
               [1.4755e+18, 2.0725e+02, 7.8877e+00, 7.4387e+00],
               [3.2506e+20, 3.6410e+02, 1.3735e+01, 7.6518e+00],
               [9.3171e+20, 3.1949e+02, 7.2338e-01, 1.6390e+00]]), dtype=torch.float64)
Target: tensor([[4.1755e+01, 5.4942e-01, 2.6454e+00],
               [1.8525e+00, 4.7086e-04, 1.4434e-01],
               [8.2844e+01, 1.1764e+00, 1.9788e+00],
               [2.9037e+01, 6.4964e-02, 7.6390e-01],

```

[1.7736e+00, 1.0459e-03, 1.3789e-01],  
[1.0561e+02, 2.3288e+00, 2.2297e+00],  
[3.4878e+01, 7.1339e-02, 1.3820e+00],  
[1.1551e+02, 3.5484e+00, 3.2810e+00],  
[8.3646e-01, 2.0719e-04, 8.2229e-02],  
[1.5590e+00, 1.8493e-04, 1.8449e-01],  
[2.3731e+00, 2.4896e-04, 1.4809e-01],  
[8.0553e+01, 1.4310e+00, 3.8426e+00],  
[1.1563e+00, 7.5952e-04, 1.6177e-01],  
[8.9948e-01, 2.1084e-04, 7.6559e-02],  
[3.4957e+01, 8.3958e-02, 1.7858e+00],  
[9.2730e+00, 1.0266e-02, 7.3745e-01],  
[1.7133e+00, 7.8954e-04, 1.2862e-01],  
[1.1323e+02, 1.8828e+00, 3.5891e+00],  
[1.8725e+01, 1.3039e-01, 9.0318e-01],  
[6.4383e+01, 7.2294e-01, 2.3829e+00],  
[1.8515e+01, 3.5161e-02, 8.1623e-01],  
[1.3254e+00, 2.0692e-04, 1.0708e-01],  
[3.6078e-01, 1.0665e-04, 3.8551e-02],  
[8.3804e-01, 5.7296e-04, 1.0956e-01],  
[3.0003e+00, 1.0169e-03, 1.9741e-01],  
[9.5028e-01, 1.8539e-04, 6.5210e-02],  
[5.1999e+00, 5.4653e-03, 3.3526e-01],  
[4.9270e-02, 1.8255e-06, 6.3549e-03],  
[5.4182e+01, 2.9939e-01, 1.6686e+00],  
[2.4742e+02, 4.4165e+00, 4.7833e+00],  
[1.6697e+00, 8.6029e-04, 1.6052e-01],  
[8.3708e-01, 6.6427e-05, 5.6084e-02],  
[3.7267e+00, 2.9475e-03, 2.5173e-01],  
[1.2032e+01, 1.4446e-02, 6.8129e-01],  
[5.0420e-01, 7.1958e-05, 3.9845e-02],  
[2.5826e-02, 5.7787e-08, 3.5989e-03],  
[6.3611e-01, 6.8833e-05, 5.2331e-02],  
[7.0377e+01, 1.0621e+00, 1.9677e+00],  
[2.1896e+01, 1.1223e-01, 1.4719e+00],  
[3.6525e-01, 2.8996e-05, 4.5664e-02],  
[2.0954e+00, 2.4256e-03, 2.2562e-01],  
[4.9467e+01, 4.2173e-01, 1.6627e+00],  
[1.0886e+01, 3.4139e-02, 5.6317e-01],  
[3.8748e+01, 1.8833e-01, 2.4994e+00],  
[3.6718e+00, 6.7737e-03, 3.3395e-01],  
[4.5623e+00, 8.0424e-03, 4.1251e-01],  
[1.8801e+01, 1.4115e-02, 1.0708e+00],  
[5.4191e+00, 1.6639e-02, 5.1016e-01],  
[8.6819e+01, 5.7676e-01, 3.6266e+00],  
[1.0234e-01, 8.6813e-06, 1.2266e-02],  
[1.5594e+00, 4.4091e-04, 1.1934e-01],  
[1.4712e-01, 6.2853e-06, 1.7936e-02],

[1.1668e+02, 1.4140e+00, 2.7990e+00],  
 [1.7020e+00, 2.7508e-04, 1.2553e-01],  
 [2.6067e-01, 1.5934e-05, 2.6787e-02],  
 [1.6229e+02, 1.5366e+00, 2.9096e+00],  
 [1.7608e+00, 6.2099e-04, 1.2602e-01],  
 [5.0216e+00, 2.3294e-03, 5.0232e-01],  
 [1.0495e+00, 2.7553e-04, 1.4426e-01],  
 [2.0496e+01, 1.0168e-01, 7.1123e-01],  
 [4.0182e-01, 3.9500e-05, 3.9088e-02],  
 [6.3027e+01, 5.0632e-01, 1.3311e+00],  
 [1.0630e+01, 1.8516e-02, 6.3108e-01],  
 [4.6572e+01, 7.9867e-02, 1.8103e+00],  
 [8.4651e-01, 2.1792e-04, 6.7854e-02],  
 [1.4121e+01, 2.6372e-02, 1.3315e+00],  
 [1.0296e+02, 1.1552e-01, 2.9813e+00],  
 [1.1917e+01, 4.3522e-03, 6.7596e-01],  
 [1.9431e+00, 6.7081e-03, 2.3972e-01],  
 [5.8496e+00, 2.0281e-03, 4.6303e-01],  
 [4.7017e+01, 2.7789e-02, 1.1693e+00],  
 [6.3204e+00, 3.5640e-03, 5.1781e-01],  
 [1.1699e-02, 3.1555e-08, 1.8563e-03],  
 [3.2615e-02, 4.8988e-07, 4.8399e-03],  
 [1.3755e+01, 2.0292e-02, 4.4919e-01],  
 [3.0490e-01, 7.6367e-05, 4.1308e-02],  
 [1.7407e+02, 3.6114e+00, 4.6264e+00],  
 [7.9127e-02, 4.0788e-06, 9.5050e-03],  
 [1.0368e+01, 2.8728e-02, 5.1539e-01],  
 [4.4294e-01, 1.0259e-05, 5.5118e-02],  
 [2.2991e-01, 8.7135e-06, 2.8982e-02],  
 [3.9306e+01, 2.2369e-01, 1.2561e+00],  
 [4.1404e+00, 2.7000e-03, 4.6419e-01],  
 [2.3421e+01, 2.1396e-01, 1.0418e+00],  
 [9.3573e+01, 1.1375e+00, 4.0703e+00],  
 [3.6600e-01, 1.0188e-05, 3.1200e-02],  
 [1.3097e+01, 3.1183e-02, 4.5456e-01],  
 [7.3809e+01, 1.0578e-01, 3.4978e+00],  
 [4.1329e+00, 5.2265e-04, 1.9828e-01],  
 [1.3532e+00, 3.7227e-04, 1.3192e-01],  
 [2.9692e-02, 1.0160e-06, 4.1835e-03],  
 [7.1397e+00, 9.5655e-03, 5.4385e-01],  
 [1.4982e+01, 5.9178e-02, 8.6537e-01],  
 [9.9778e+00, 1.0525e-03, 4.6036e-01],  
 [3.7087e-01, 4.4795e-05, 2.9388e-02],  
 [2.8476e+01, 1.0887e-01, 1.9692e+00],  
 [1.3880e+00, 6.2510e-04, 1.4499e-01],  
 [1.2364e+00, 2.3385e-05, 8.3393e-02],  
 [1.4414e+02, 4.2970e+00, 3.1635e+00],  
 [6.3608e+01, 5.2179e-01, 1.7007e+00],



[2.3335e+02, 1.1042e+00, 4.8631e+00],  
[4.3547e+00, 1.5679e-02, 3.9226e-01],  
[2.3757e+02, 3.6707e+00, 4.9168e+00],  
[1.2610e+02, 6.2816e-01, 4.1115e+00],  
[5.7009e-01, 7.1852e-05, 8.0709e-02],  
[1.1233e+00, 5.1003e-04, 8.4877e-02],  
[3.3249e+00, 1.0161e-03, 2.5913e-01],  
[4.1858e+01, 2.7700e-01, 2.0099e+00],  
[5.6105e-02, 2.3334e-06, 7.2046e-03],  
[2.7845e+01, 1.5943e-01, 8.6713e-01],  
[2.0908e+01, 2.4848e-02, 1.3287e+00],  
[1.1420e-01, 1.7702e-07, 1.3777e-02],  
[3.3919e+01, 1.5996e-01, 1.2725e+00],  
[1.5241e+00, 5.5841e-05, 1.3809e-01],  
[1.4725e+01, 2.6599e-02, 6.0316e-01],  
[8.5412e-01, 2.9979e-04, 7.5658e-02],  
[9.9785e-01, 1.1026e-04, 9.4840e-02],  
[5.5962e-01, 1.3071e-04, 5.0551e-02],  
[4.2397e-01, 5.1353e-05, 3.9153e-02],  
[2.7190e+00, 3.3143e-03, 3.6332e-01],  
[2.5226e+01, 1.0673e-02, 1.0817e+00],  
[1.0075e+02, 4.8856e-01, 2.0948e+00],  
[1.5534e+00, 3.3845e-04, 1.1617e-01],  
[3.5785e-02, 1.5466e-06, 5.1795e-03],  
[3.5529e-01, 3.6120e-05, 2.8115e-02],  
[4.7443e-03, 6.6346e-09, 7.3899e-04],  
[9.3684e+01, 1.5784e-01, 3.4653e+00],  
[7.1007e-01, 4.7251e-06, 6.2712e-02],  
[1.0185e+02, 1.0283e-01, 2.6642e+00],  
[3.1559e+02, 2.0102e+00, 5.1546e+00],  
[1.5456e+01, 2.1200e-01, 1.3418e+00],  
[4.3988e-02, 8.7895e-07, 5.8258e-03],  
[7.9907e+00, 2.7771e-03, 3.9076e-01],  
[2.7697e-02, 3.8834e-07, 4.3299e-03],  
[1.4661e+01, 7.7239e-02, 1.0597e+00],  
[2.1320e+00, 7.0702e-04, 1.3835e-01],  
[8.9911e-01, 3.6946e-05, 6.6220e-02],  
[1.2478e+00, 2.5109e-03, 1.6756e-01],  
[6.1164e-01, 4.8318e-05, 6.7201e-02],  
[2.7263e+01, 1.2248e-01, 1.1104e+00],  
[1.2826e+02, 1.7241e+00, 3.8221e+00],  
[2.4581e+01, 8.1893e-02, 1.8566e+00],  
[1.2424e+02, 4.3028e+00, 2.8372e+00],  
[1.4982e-01, 1.9276e-05, 1.7246e-02],  
[3.8354e+00, 1.4811e-03, 3.8588e-01],  
[1.1098e+02, 3.6720e+00, 3.4719e+00],  
[9.7098e+00, 8.6347e-03, 9.6527e-01],  
[3.2485e+01, 2.7282e-01, 1.3893e+00],

[3.2208e+01, 1.3730e-01, 1.4447e+00],  
 [1.4147e+00, 3.5765e-04, 9.0391e-02],  
 [4.8612e+00, 1.2837e-03, 3.1899e-01],  
 [1.8500e+01, 4.5052e-02, 1.1078e+00],  
 [1.3233e+00, 3.0209e-04, 1.4994e-01],  
 [7.4593e+01, 3.2904e-01, 2.6370e+00],  
 [3.0043e+00, 4.5913e-05, 1.4982e-01],  
 [9.9915e+00, 3.9012e-03, 5.1117e-01],  
 [2.3167e-01, 1.5181e-05, 2.5361e-02],  
 [2.0933e+01, 3.7492e-02, 8.1792e-01],  
 [4.9083e+00, 9.7903e-03, 2.7450e-01],  
 [8.2518e+01, 5.2415e-01, 3.5743e+00],  
 [3.6160e-02, 5.8591e-07, 5.1183e-03],  
 [1.6852e+01, 2.7033e-02, 1.2190e+00],  
 [1.3093e+01, 4.2504e-02, 5.5894e-01],  
 [1.6197e+02, 7.2315e-01, 3.6600e+00],  
 [8.2456e+00, 5.3310e-02, 8.4546e-01],  
 [2.6797e-01, 3.0838e-05, 3.2093e-02],  
 [9.5019e-02, 3.1927e-06, 1.1440e-02],  
 [4.2011e-01, 2.6862e-05, 4.3351e-02],  
 [2.8560e+01, 2.1903e-02, 1.8129e+00],  
 [7.6573e+01, 4.0024e-01, 3.3370e+00],  
 [4.3116e+00, 9.2460e-03, 3.0136e-01],  
 [1.1393e+01, 6.5447e-04, 4.7234e-01],  
 [9.0794e+01, 9.4626e-01, 2.1549e+00],  
 [1.1653e+00, 5.8953e-05, 8.5177e-02],  
 [3.4994e-02, 2.6753e-07, 5.5346e-03],  
 [3.0900e+01, 1.3335e-01, 9.8533e-01],  
 [3.1133e-02, 3.2934e-07, 4.7937e-03],  
 [1.3139e-01, 1.2350e-05, 1.7639e-02],  
 [1.6773e+01, 7.4915e-03, 5.8450e-01],  
 [5.9845e-02, 3.6821e-07, 8.3974e-03],  
 [1.5288e+00, 6.9881e-04, 1.6340e-01],  
 [3.3336e-01, 5.1344e-05, 2.9537e-02],  
 [3.6291e+00, 9.9902e-04, 2.5988e-01],  
 [1.1410e+02, 8.6397e-01, 2.3591e+00],  
 [7.9110e+01, 1.5300e+00, 2.7776e+00],  
 [1.2392e+00, 8.3430e-04, 1.0949e-01],  
 [4.6336e-01, 3.9271e-05, 4.3986e-02],  
 [1.9067e-01, 8.1796e-06, 2.1534e-02],  
 [5.3857e+01, 4.8792e-02, 1.4830e+00],  
 [1.1234e+01, 1.2107e-02, 4.3483e-01],  
 [4.6086e+01, 2.2452e-01, 1.9712e+00],  
 [6.2719e+00, 1.0092e-03, 3.7772e-01],  
 [6.4329e-01, 2.0320e-04, 5.3153e-02],  
 [1.4157e+01, 1.6959e-02, 5.1973e-01],  
 [1.4688e+01, 1.3579e-02, 5.3759e-01],  
 [6.1787e-01, 4.6038e-05, 5.4777e-02],

[1.0886e+02, 6.5186e-01, 1.9096e+00],  
[1.3845e+00, 5.3078e-05, 1.4821e-01],  
[1.0450e-01, 5.8213e-07, 1.2793e-02],  
[8.0663e-03, 3.2302e-08, 1.2652e-03],  
[1.9607e+00, 3.2343e-04, 2.1629e-01],  
[1.2292e+00, 2.2095e-04, 8.2590e-02],  
[9.7073e+00, 4.9417e-02, 6.2430e-01],  
[2.6353e+01, 6.6949e-03, 1.6855e+00],  
[4.2668e+00, 7.0773e-04, 3.0805e-01],  
[3.8553e+01, 3.3093e-01, 1.1331e+00],  
[1.8498e+02, 3.5093e+00, 3.8118e+00],  
[6.5433e+00, 2.3399e-03, 4.2721e-01],  
[1.4324e+01, 4.8718e-02, 9.7209e-01],  
[1.3332e-02, 6.3284e-08, 2.0720e-03],  
[1.0128e+00, 2.8169e-04, 9.2425e-02],  
[6.8118e+00, 1.3473e-02, 3.6849e-01],  
[6.0311e+01, 1.7762e-01, 2.3794e+00],  
[6.9501e+00, 6.7664e-03, 4.4593e-01],  
[1.8566e-01, 6.0993e-06, 1.9148e-02],  
[1.8176e+00, 2.6355e-03, 1.8237e-01],  
[5.5844e+00, 4.6220e-03, 2.9926e-01],  
[2.6336e-02, 1.6451e-07, 3.8052e-03],  
[2.4531e+00, 9.1700e-04, 1.4433e-01],  
[3.1107e+01, 3.3987e-01, 2.2005e+00],  
[3.3736e+01, 3.1597e-02, 9.8219e-01],  
[1.2651e+02, 1.2729e+00, 2.2576e+00],  
[2.9830e+00, 6.5066e-03, 3.0091e-01],  
[1.0143e+01, 2.8934e-03, 4.6412e-01],  
[2.5860e+02, 4.2364e+00, 3.6583e+00],  
[2.2792e+00, 3.1043e-03, 1.9568e-01],  
[7.6744e+00, 7.1737e-03, 5.2740e-01],  
[4.3716e+00, 7.9878e-03, 2.8623e-01],  
[1.4072e+00, 1.6467e-04, 7.7565e-02],  
[4.7991e+01, 6.2583e-01, 1.4335e+00],  
[3.6399e+01, 1.0282e-01, 8.4733e-01],  
[8.7673e+00, 2.5628e-02, 6.1090e-01],  
[1.3654e+00, 9.6505e-04, 1.7049e-01],  
[4.1627e+00, 1.8867e-02, 4.5600e-01],  
[6.8265e-01, 7.6311e-05, 5.6595e-02],  
[2.1685e+00, 1.3568e-03, 2.1744e-01],  
[4.3161e-02, 1.9283e-07, 6.3294e-03],  
[3.1363e-02, 3.7257e-07, 4.7160e-03],  
[3.7174e+00, 6.7155e-03, 3.7498e-01],  
[7.3475e+00, 2.1301e-02, 6.6666e-01],  
[1.2137e+01, 2.3683e-02, 4.6071e-01],  
[1.1629e+01, 3.3875e-02, 5.0865e-01],  
[6.5090e+00, 2.0525e-02, 4.9157e-01],  
[2.4134e+01, 1.3886e-01, 1.1613e+00],

[6.2506e-01, 1.0225e-04, 9.4188e-02],  
[3.0703e+00, 9.7367e-04, 1.6354e-01],  
[3.7780e+01, 3.2805e-01, 1.7271e+00],  
[6.1610e+00, 3.9953e-04, 2.6781e-01],  
[2.9071e+00, 1.8938e-03, 2.2451e-01],  
[3.7759e+01, 1.2907e-01, 9.7069e-01],  
[8.6476e+01, 6.9658e-01, 3.3920e+00],  
[2.3149e+01, 4.6873e-02, 8.3217e-01],  
[8.3204e-03, 4.5612e-08, 1.2807e-03],  
[2.0196e-01, 1.1873e-05, 2.4336e-02],  
[8.0502e+01, 1.0360e+00, 2.3634e+00],  
[6.8560e-01, 1.5037e-04, 6.8528e-02],  
[3.3042e-01, 6.0751e-05, 3.9259e-02],  
[6.6428e-01, 1.0261e-04, 5.8653e-02],  
[2.9105e+01, 5.7525e-02, 1.9773e+00],  
[6.5966e+01, 1.0866e+00, 2.0356e+00],  
[5.6875e+01, 9.2026e-01, 3.2043e+00],  
[4.9003e-01, 6.7973e-05, 6.1588e-02],  
[5.8371e-03, 5.4505e-08, 9.0270e-04],  
[4.8139e-01, 7.9819e-05, 4.3073e-02],  
[1.5247e+02, 1.9308e+00, 4.7272e+00],  
[1.7312e+01, 2.2158e-02, 6.4750e-01],  
[2.9269e+02, 3.3755e-01, 4.6951e+00],  
[3.7156e+00, 2.8779e-03, 2.3837e-01],  
[8.6750e+01, 5.1797e-01, 1.7894e+00],  
[9.0057e-01, 7.7267e-05, 7.6441e-02],  
[5.1273e+01, 5.2566e-01, 1.5395e+00],  
[2.1159e+00, 1.3858e-03, 1.9744e-01],  
[9.6466e-03, 4.0393e-08, 1.4749e-03],  
[7.2875e+01, 4.7675e-01, 2.1712e+00],  
[4.0317e+01, 4.9494e-01, 1.2492e+00],  
[5.8338e+01, 8.9642e-01, 1.6538e+00],  
[6.5484e-02, 2.3340e-06, 9.1454e-03],  
[3.5959e+01, 4.1178e-02, 8.5028e-01],  
[5.6310e+00, 6.4726e-03, 3.0203e-01],  
[1.0433e+02, 1.1397e+00, 3.2738e+00],  
[2.7062e+01, 7.7247e-02, 1.2300e+00],  
[3.6214e+01, 2.9248e-01, 1.3141e+00],  
[1.5045e-01, 8.1442e-06, 2.2494e-02],  
[7.3347e-01, 1.3336e-04, 4.8518e-02],  
[3.3622e+00, 3.4011e-03, 3.6156e-01],  
[6.8716e-02, 8.2653e-07, 9.0746e-03],  
[3.2417e+01, 2.7565e-02, 1.6623e+00],  
[1.6293e-03, 1.4165e-09, 2.6364e-04],  
[1.5018e+02, 2.3922e+00, 3.4160e+00],  
[8.1454e+01, 1.2132e+00, 3.2741e+00],  
[5.7827e-02, 9.4047e-07, 7.8054e-03],  
[2.5816e-02, 2.0102e-07, 4.0414e-03],

```

[1.1323e+01, 1.6220e-02, 4.3860e-01],
[9.2507e-02, 7.9452e-06, 1.3259e-02],
[1.2576e+01, 4.8107e-02, 7.4427e-01],
[4.2091e+01, 5.2938e-02, 1.5723e+00],
[9.9050e+01, 1.5720e+00, 3.2429e+00],
[5.2638e+01, 5.4658e-01, 2.1088e+00],
[2.4506e+00, 1.2100e-03, 1.4548e-01],
[9.1585e+01, 7.1447e-01, 2.3980e+00],
[5.9699e-01, 2.7389e-04, 8.3325e-02],
[4.2154e+01, 3.5606e-01, 1.8173e+00],
[9.5317e+01, 9.6099e-01, 2.0049e+00],
[7.0981e-01, 3.7665e-05, 5.3236e-02],
[1.3942e+01, 8.4184e-03, 5.8063e-01],
[9.1319e-01, 1.0816e-04, 6.7189e-02],
[1.6108e+02, 8.4104e-01, 4.5203e+00],
[4.2759e+00, 1.5200e-03, 2.3749e-01],
[1.3644e+02, 1.0255e+00, 2.9962e+00],
[1.2164e+01, 1.7783e-02, 7.2273e-01],
[5.2200e-02, 1.5509e-06, 7.8660e-03],
[5.6605e+01, 9.0780e-02, 1.3756e+00],
[6.7587e+01, 3.9109e-01, 2.3481e+00],
[2.0018e+00, 2.9195e-04, 1.7253e-01],
[1.1133e+00, 5.7315e-04, 1.1391e-01],
[2.5191e+01, 2.4712e-02, 1.6877e+00],
[4.7694e-01, 9.1272e-05, 5.2938e-02],
[1.4796e-01, 8.7335e-06, 1.6734e-02],
[9.8440e+01, 1.8659e+00, 2.7071e+00],
[2.7284e+02, 2.9931e-01, 4.9669e+00]], dtype=torch.float64)
Iteration: 126
Inputs: tensor([[3.6591e+18, 8.6345e+01, 6.4618e+00, 2.5623e+00],
[1.8456e+18, 3.4100e+02, 1.1203e+00, 2.0325e+00],
[2.6227e+19, 2.9340e+02, 1.4634e+01, 6.2053e+00],
...,
[4.9404e+18, 1.5490e+02, 4.1755e+00, 4.9321e+00],
[5.1483e+19, 2.1022e+02, 1.9670e+01, 8.4173e+00],
[2.9209e+19, 7.8179e+01, 1.2848e+00, 8.1087e+00]], dtype=torch.float64)
Target: tensor([[5.0173e-02, 3.4856e-07, 7.2365e-03],
[6.7529e-01, 5.3700e-06, 5.0413e-02],
[8.0632e+00, 1.5616e-02, 4.6751e-01],
[6.1050e+01, 4.1143e-01, 2.4716e+00],
[1.9778e+01, 2.9226e-01, 1.8112e+00],
[2.6954e+01, 1.4568e-02, 1.8223e+00],
[4.0585e-01, 1.3383e-04, 4.7258e-02],
[5.4181e+01, 1.3198e+00, 3.3812e+00],
[6.2799e+01, 3.0577e-01, 1.8981e+00],
[2.3902e+00, 1.2973e-03, 1.8455e-01],
[1.0241e+01, 4.9909e-02, 1.0960e+00],
[8.8891e+01, 5.0201e-01, 3.1499e+00],

```

[1.0251e+01, 8.7331e-03, 1.0998e+00],  
[8.1638e+01, 9.4958e-01, 1.9727e+00],  
[1.5954e+00, 8.8162e-04, 1.6816e-01],  
[1.2590e+00, 1.6066e-04, 1.4403e-01],  
[2.2189e+00, 2.8581e-03, 2.8126e-01],  
[2.9263e-02, 3.5086e-07, 4.5166e-03],  
[1.7320e-01, 1.4656e-05, 1.9607e-02],  
[4.2806e+00, 2.6009e-03, 1.8725e-01],  
[3.3712e+00, 5.4961e-03, 3.1003e-01],  
[9.6107e-02, 4.8142e-06, 1.3563e-02],  
[2.0522e+02, 1.0028e+01, 5.0021e+00],  
[2.5974e-03, 1.4704e-08, 4.0977e-04],  
[1.5566e+00, 1.2291e-04, 1.0334e-01],  
[2.7006e+00, 2.5983e-04, 1.8190e-01],  
[5.1506e+00, 7.8857e-03, 3.1173e-01],  
[7.1809e+01, 6.6456e-01, 1.8086e+00],  
[5.9047e+00, 5.2831e-03, 3.4824e-01],  
[2.7452e+01, 1.1674e-01, 1.9523e+00],  
[5.6887e+01, 1.0301e+00, 1.5138e+00],  
[2.0047e+00, 1.2648e-03, 1.4254e-01],  
[2.5995e-01, 3.9650e-05, 2.5714e-02],  
[1.1106e-01, 1.2024e-06, 1.5303e-02],  
[1.2769e+00, 3.2690e-04, 1.2933e-01],  
[1.4204e+02, 2.6218e+00, 2.5524e+00],  
[1.4218e+02, 8.3928e-01, 2.9283e+00],  
[1.1634e-01, 1.0160e-05, 1.6830e-02],  
[1.1562e-01, 4.6573e-06, 1.3390e-02],  
[3.1987e+01, 2.5792e-02, 2.1463e+00],  
[5.1192e-01, 1.7300e-04, 5.4043e-02],  
[2.1244e+01, 1.4115e-01, 7.3464e-01],  
[5.0053e+01, 4.1746e-01, 1.2765e+00],  
[1.5962e-01, 1.1350e-05, 1.9260e-02],  
[1.4478e+01, 3.2573e-02, 9.0799e-01],  
[2.2344e+01, 1.0017e-01, 7.1696e-01],  
[3.9715e+01, 2.7242e-01, 2.3681e+00],  
[2.5035e+01, 1.1258e-01, 7.2737e-01],  
[4.4768e+01, 4.6258e-01, 1.8779e+00],  
[1.4006e+01, 2.6376e-02, 7.2533e-01],  
[3.1010e+02, 1.0047e+01, 5.1104e+00],  
[1.5690e+02, 1.0585e+00, 3.5080e+00],  
[4.2665e+01, 3.1195e-01, 1.0528e+00],  
[3.6483e+00, 2.3388e-03, 4.1268e-01],  
[1.6649e+00, 6.6663e-04, 1.6096e-01],  
[6.7852e+00, 1.7530e-03, 5.6140e-01],  
[1.6047e+02, 1.2121e+00, 3.6623e+00],  
[2.0360e-01, 1.2135e-05, 2.5406e-02],  
[3.7552e+01, 3.2212e-01, 1.2696e+00],  
[4.7062e+00, 3.6657e-03, 2.2178e-01],

[2.7002e+01, 2.3813e-01, 9.2000e-01],  
 [2.2333e+02, 4.9101e-01, 4.2615e+00],  
 [9.6172e-02, 2.1840e-06, 1.3131e-02],  
 [3.5509e+01, 2.7633e-01, 1.4549e+00],  
 [1.7280e+01, 1.2603e-02, 4.8037e-01],  
 [2.1024e+01, 1.0628e-01, 1.2575e+00],  
 [3.0865e-01, 1.9266e-05, 3.3967e-02],  
 [3.4793e+01, 3.7485e-01, 1.3201e+00],  
 [2.3602e+01, 4.8603e-02, 1.3321e+00],  
 [1.3471e+02, 1.7719e+00, 3.4569e+00],  
 [3.2924e-02, 2.6871e-07, 4.9664e-03],  
 [3.9161e+01, 7.4671e-02, 9.6280e-01],  
 [1.1808e+02, 1.4148e+00, 2.2320e+00],  
 [2.3880e+00, 7.0477e-04, 1.5914e-01],  
 [2.1121e+01, 2.6629e-02, 1.4451e+00],  
 [1.5784e+02, 3.6967e+00, 4.4876e+00],  
 [4.3429e+01, 3.5793e-01, 1.7424e+00],  
 [3.9816e+01, 1.3536e-01, 1.3471e+00],  
 [8.0058e-01, 8.8958e-05, 9.7299e-02],  
 [1.7862e+01, 5.1149e-02, 7.2257e-01],  
 [1.3555e-01, 1.1592e-05, 2.0270e-02],  
 [8.1513e+00, 1.2127e-02, 3.9497e-01],  
 [1.0551e+00, 4.5451e-04, 8.9934e-02],  
 [9.9550e+00, 1.7782e-02, 6.4964e-01],  
 [7.6722e+00, 2.7221e-02, 7.6843e-01],  
 [9.0959e-01, 4.8204e-04, 1.0965e-01],  
 [2.1198e+02, 6.0871e-01, 3.7517e+00],  
 [1.4097e+00, 1.5176e-04, 9.5383e-02],  
 [5.8418e+00, 1.3181e-02, 3.9423e-01],  
 [1.6220e+00, 5.6101e-04, 1.5134e-01],  
 [3.9035e+00, 2.1002e-03, 1.8439e-01],  
 [3.2725e+01, 1.1277e-01, 1.4191e+00],  
 [8.1582e+00, 1.0403e-03, 4.9534e-01],  
 [1.9629e+01, 3.3178e-03, 6.0159e-01],  
 [2.0664e-01, 1.1141e-05, 2.2099e-02],  
 [1.9040e-01, 8.4516e-06, 2.1629e-02],  
 [7.7264e+00, 1.9980e-02, 5.8375e-01],  
 [3.8587e+00, 2.5614e-03, 2.9601e-01],  
 [9.6910e+01, 1.0902e+00, 1.8658e+00],  
 [1.4212e+02, 4.2820e+00, 3.1121e+00],  
 [1.0054e+00, 1.9189e-04, 9.2182e-02],  
 [2.3664e+02, 2.6437e+00, 4.1859e+00],  
 [2.7766e+01, 4.7377e-03, 7.8219e-01],  
 [2.1303e+02, 6.0378e+00, 3.9140e+00],  
 [1.4639e+00, 4.7325e-04, 1.1185e-01],  
 [3.1685e+01, 9.6542e-02, 7.4330e-01],  
 [7.2231e+01, 1.4410e+00, 2.0487e+00],  
 [6.1787e-02, 1.2779e-06, 8.3047e-03],

[1.1676e+00, 1.7472e-04, 1.4175e-01],  
 [2.0043e+00, 2.4814e-03, 2.2562e-01],  
 [3.7744e-01, 9.3881e-06, 3.7345e-02],  
 [1.6990e+02, 1.3511e+00, 3.1217e+00],  
 [4.7505e+01, 3.5789e-01, 1.2736e+00],  
 [1.0125e+02, 1.0771e+00, 3.7185e+00],  
 [2.6375e+01, 1.6540e-01, 9.7880e-01],  
 [1.8355e+01, 6.8998e-03, 5.9591e-01],  
 [7.8057e+01, 4.4993e-01, 2.0571e+00],  
 [2.4662e+01, 1.7248e-01, 1.3565e+00],  
 [2.4223e+01, 4.1297e-02, 1.2905e+00],  
 [6.5738e+00, 7.7975e-03, 4.7053e-01],  
 [9.5552e+01, 3.8083e-01, 1.8223e+00],  
 [3.7667e-03, 1.3298e-08, 5.9657e-04],  
 [5.6807e+00, 3.4514e-03, 2.5415e-01],  
 [2.0879e+01, 9.6035e-02, 8.2107e-01],  
 [3.2750e+01, 1.1676e-01, 2.0299e+00],  
 [1.0280e+01, 1.4951e-02, 9.0764e-01],  
 [7.7239e+00, 8.4740e-03, 4.1677e-01],  
 [1.8391e-03, 9.0703e-10, 2.9656e-04],  
 [1.2389e+01, 4.8210e-02, 6.5769e-01],  
 [1.1041e+02, 4.0410e-01, 3.0463e+00],  
 [7.7444e+00, 2.8517e-03, 6.2860e-01],  
 [3.5180e+00, 5.5078e-04, 2.0783e-01],  
 [3.6149e+00, 1.1162e-03, 3.0237e-01],  
 [2.6601e+01, 1.1995e-01, 8.0888e-01],  
 [7.4140e+00, 6.2643e-03, 5.2473e-01],  
 [1.7477e+01, 5.3607e-02, 5.4938e-01],  
 [9.1432e+00, 2.9635e-03, 5.6668e-01],  
 [1.5837e+01, 9.0287e-02, 8.1537e-01],  
 [1.4097e+00, 1.1036e-03, 1.2641e-01],  
 [2.4479e+01, 4.2481e-02, 1.7639e+00],  
 [1.2471e-01, 1.4623e-06, 1.6503e-02],  
 [2.6512e+01, 2.0261e-01, 1.1671e+00],  
 [9.3889e-02, 7.4623e-06, 1.2672e-02],  
 [3.6634e+00, 1.6808e-03, 3.5607e-01],  
 [9.2174e+01, 4.3098e-01, 2.6943e+00],  
 [2.2972e+01, 5.4363e-02, 7.8128e-01],  
 [3.3407e+01, 2.2362e-01, 9.3793e-01],  
 [2.8366e-01, 1.9561e-05, 3.6077e-02],  
 [3.2647e+00, 1.2532e-04, 2.6896e-01],  
 [5.2835e-02, 4.4105e-07, 7.1874e-03],  
 [6.3316e-02, 5.3318e-06, 9.2961e-03],  
 [4.2253e+00, 3.7203e-03, 2.2495e-01],  
 [1.2026e+02, 2.3855e+00, 3.2930e+00],  
 [3.3173e+00, 1.1439e-04, 1.8773e-01],  
 [3.5516e+00, 2.2385e-03, 3.4627e-01],  
 [6.5793e+00, 2.7838e-03, 2.5868e-01],



[2.5204e+00, 1.7297e-03, 1.5109e-01],  
 [6.5495e+01, 1.0642e+00, 2.3236e+00],  
 [9.9117e+00, 6.9052e-03, 8.0140e-01],  
 [9.9941e+00, 1.9273e-02, 4.0679e-01],  
 [5.0883e+01, 2.3873e-01, 2.2842e+00],  
 [3.7914e-02, 1.6134e-06, 5.2102e-03],  
 [3.3984e+00, 1.1552e-03, 2.7001e-01],  
 [2.7608e+01, 9.5332e-02, 1.2567e+00],  
 [1.2206e+02, 3.1246e-01, 2.3583e+00],  
 [6.8538e-01, 1.1965e-04, 7.5776e-02],  
 [2.6552e+01, 4.2825e-02, 1.7312e+00],  
 [3.8492e-01, 1.7933e-04, 4.7183e-02],  
 [1.2535e+02, 1.4770e+00, 2.9763e+00],  
 [2.0917e-01, 1.8491e-05, 2.8406e-02],  
 [2.0911e+02, 2.6485e+00, 3.3897e+00],  
 [2.4176e+01, 2.4274e-01, 1.7927e+00],  
 [3.0839e-01, 1.0586e-05, 3.7306e-02],  
 [3.2562e-01, 3.8288e-05, 3.6784e-02],  
 [6.7298e-01, 2.0675e-05, 6.8578e-02],  
 [3.7653e+00, 5.1785e-03, 3.3881e-01],  
 [9.7032e+01, 1.9937e+00, 3.1894e+00],  
 [1.1781e+00, 1.8236e-04, 7.9144e-02],  
 [7.9565e+01, 4.6399e-01, 1.6503e+00],  
 [5.8801e+00, 1.7798e-03, 4.1638e-01],  
 [1.6799e+01, 1.3196e-02, 1.0058e+00],  
 [3.6978e+00, 1.1703e-03, 1.6249e-01],  
 [7.4458e-01, 1.1909e-04, 8.6375e-02],  
 [1.2967e+02, 1.3828e+00, 3.0350e+00],  
 [2.6823e+00, 1.0374e-03, 2.5850e-01],  
 [2.4099e+00, 1.0425e-04, 1.8276e-01],  
 [3.3837e+01, 1.1988e-01, 2.2389e+00],  
 [3.5558e+01, 4.0156e-01, 1.2263e+00],  
 [1.4549e-02, 3.4601e-07, 2.2165e-03],  
 [1.3352e+02, 5.0329e+00, 3.5417e+00],  
 [2.0042e+01, 1.0628e-01, 8.7708e-01],  
 [2.5733e+00, 1.6442e-03, 1.7522e-01],  
 [1.3749e+02, 6.3796e-01, 3.9604e+00],  
 [1.0230e+01, 6.3311e-03, 3.4905e-01],  
 [2.0191e-01, 1.5851e-05, 2.1524e-02],  
 [1.0871e+01, 2.2727e-03, 6.2311e-01],  
 [2.0039e+00, 1.6726e-04, 1.7579e-01],  
 [3.6399e+01, 6.6351e-02, 8.5334e-01],  
 [3.6851e+00, 4.6829e-03, 4.1590e-01],  
 [3.9594e+00, 2.5365e-03, 2.9802e-01],  
 [1.2419e+00, 4.0988e-04, 8.1698e-02],  
 [3.0091e+01, 8.8643e-02, 1.2056e+00],  
 [1.9905e-01, 3.1104e-05, 2.3249e-02],  
 [9.0842e+01, 3.8117e-01, 3.0783e+00],

[1.9668e+01, 1.4842e-01, 1.0653e+00],  
 [3.2195e+00, 1.2217e-03, 3.7450e-01],  
 [5.1089e+00, 4.5818e-03, 2.4095e-01],  
 [1.9207e+00, 1.3684e-03, 1.3772e-01],  
 [1.7852e+01, 5.9017e-02, 9.5708e-01],  
 [2.0635e+01, 1.6888e-01, 8.1604e-01],  
 [4.5806e+00, 1.5055e-03, 2.6978e-01],  
 [8.5266e-01, 1.2987e-04, 8.8208e-02],  
 [9.0903e+00, 5.2901e-02, 7.0418e-01],  
 [4.4203e+00, 3.1414e-03, 3.0738e-01],  
 [1.1554e+01, 4.7001e-02, 6.8546e-01],  
 [2.7579e+01, 2.3217e-01, 1.0047e+00],  
 [9.0400e-02, 4.7261e-06, 1.0695e-02],  
 [4.4941e+01, 4.8173e-01, 1.4774e+00],  
 [1.1506e+01, 2.5082e-02, 5.9652e-01],  
 [2.5679e+01, 1.4622e-01, 8.6453e-01],  
 [1.2902e+01, 1.3087e-02, 4.3940e-01],  
 [9.6631e-01, 6.5046e-04, 1.1228e-01],  
 [3.3524e+01, 3.5554e-02, 1.7339e+00],  
 [7.3731e-02, 6.6312e-06, 9.8145e-03],  
 [1.4941e+00, 3.9068e-05, 1.6402e-01],  
 [7.4168e-02, 9.0263e-07, 1.0330e-02],  
 [1.7287e+01, 3.5673e-02, 5.2346e-01],  
 [1.4235e+02, 2.3153e+00, 3.8341e+00],  
 [2.1509e+00, 7.5809e-04, 1.9244e-01],  
 [3.1098e+01, 1.8050e-01, 1.4427e+00],  
 [1.4133e+02, 6.2622e+00, 4.1475e+00],  
 [8.8176e+01, 6.3556e-02, 2.9098e+00],  
 [5.6453e-01, 5.7388e-06, 5.2979e-02],  
 [1.3032e+01, 1.9847e-02, 8.4338e-01],  
 [5.9521e+00, 9.1273e-04, 4.0612e-01],  
 [5.6869e-01, 1.3224e-04, 5.9801e-02],  
 [2.4102e+01, 1.5518e-01, 1.1433e+00],  
 [5.9404e+00, 1.0483e-02, 3.7349e-01],  
 [1.0303e+01, 2.1228e-02, 6.2606e-01],  
 [1.6494e-01, 1.3550e-05, 1.7231e-02],  
 [1.1346e-02, 5.8678e-08, 1.7460e-03],  
 [9.5615e+01, 1.0190e+00, 2.6578e+00],  
 [9.8922e-02, 3.7661e-06, 1.3478e-02],  
 [1.9139e+01, 5.4146e-02, 7.7566e-01],  
 [3.0991e+00, 1.3212e-03, 3.1145e-01],  
 [7.3306e-01, 1.8877e-04, 7.4031e-02],  
 [6.1134e-02, 2.7369e-06, 7.9739e-03],  
 [2.2255e-01, 2.4386e-05, 2.0807e-02],  
 [2.2767e+01, 7.8739e-02, 1.0260e+00],  
 [5.2368e+01, 3.2111e-01, 1.1968e+00],  
 [1.7607e-01, 1.2543e-05, 1.9206e-02],  
 [5.7759e+01, 4.4804e-01, 1.0874e+00],

[1.5069e+01, 2.4850e-02, 8.1967e-01],  
[5.8134e+01, 1.8693e-01, 1.9529e+00],  
[1.1476e+02, 1.2359e+00, 2.9799e+00],  
[5.2868e-02, 1.7474e-07, 7.8937e-03],  
[1.1402e+02, 3.3544e+00, 3.5763e+00],  
[8.3715e+01, 1.7692e+00, 2.6421e+00],  
[2.9864e+02, 1.4266e+01, 5.1442e+00],  
[9.5405e-01, 4.5825e-05, 7.9829e-02],  
[2.3154e+01, 4.0912e-01, 2.0127e+00],  
[2.4834e+00, 2.6922e-03, 1.5908e-01],  
[2.5068e-01, 3.8609e-05, 2.7919e-02],  
[1.0507e-02, 1.7204e-08, 1.5685e-03],  
[1.7031e+01, 5.1277e-02, 8.1684e-01],  
[1.7908e-04, 9.4989e-12, 2.9492e-05],  
[6.8557e+01, 8.3750e-01, 3.7364e+00],  
[3.0236e+00, 5.5642e-03, 2.8540e-01],  
[1.3897e-01, 2.7342e-06, 1.5577e-02],  
[4.1503e+01, 2.4515e-01, 8.7152e-01],  
[1.0401e+02, 1.6414e+00, 3.0120e+00],  
[5.4635e-02, 2.9631e-06, 7.5174e-03],  
[9.5513e-01, 8.8876e-05, 1.1498e-01],  
[8.5434e+00, 1.4537e-02, 4.9951e-01],  
[1.9101e+01, 1.3172e-01, 7.0711e-01],  
[7.6488e+00, 2.9894e-02, 4.9791e-01],  
[1.2408e-03, 6.0313e-10, 1.9926e-04],  
[1.0148e+00, 1.3061e-04, 6.7444e-02],  
[3.8623e-02, 3.7363e-07, 5.8367e-03],  
[1.7810e+01, 5.7239e-03, 8.1329e-01],  
[1.7687e+01, 8.0345e-02, 1.5304e+00],  
[2.4412e-02, 5.6337e-07, 3.5166e-03],  
[3.0323e+01, 9.7403e-03, 7.7444e-01],  
[3.1613e+01, 1.2580e-01, 1.2758e+00],  
[1.6916e+02, 1.6408e+00, 4.3525e+00],  
[2.1812e-01, 6.3379e-06, 2.3811e-02],  
[7.2927e-02, 5.5220e-07, 9.5586e-03],  
[7.7812e+01, 6.3163e-01, 2.5853e+00],  
[1.1080e+02, 9.0781e-01, 2.4578e+00],  
[2.0552e+01, 1.0003e-01, 1.0859e+00],  
[9.5076e+00, 5.7648e-02, 6.1619e-01],  
[2.2191e+01, 3.2789e-02, 7.9382e-01],  
[8.6306e+01, 1.0061e+00, 1.9263e+00],  
[3.1310e+01, 1.6350e-01, 2.3172e+00],  
[9.3397e-01, 1.4309e-04, 6.9988e-02],  
[1.9575e+01, 7.2627e-02, 9.9896e-01],  
[8.8502e-01, 3.9898e-05, 9.7696e-02],  
[1.4563e+01, 1.3086e-02, 6.4252e-01],  
[6.9515e+01, 4.3677e-01, 2.6999e+00],  
[1.2202e+01, 2.0920e-02, 4.9063e-01],

```

[4.0047e+01, 3.4203e-02, 1.1978e+00],
[6.4377e+01, 4.5768e-01, 2.4297e+00],
[3.1736e+01, 3.8457e-02, 1.4233e+00],
[6.3300e+00, 2.5755e-04, 3.4298e-01],
[3.6490e-01, 4.3622e-05, 5.2823e-02],
[5.9651e-01, 6.0666e-06, 5.0837e-02],
[5.8349e+00, 1.1800e-02, 3.0884e-01],
[5.5614e-01, 1.4276e-04, 5.8461e-02],
[2.4971e-01, 3.8857e-05, 2.5175e-02],
[4.5932e-01, 1.7364e-05, 4.4204e-02],
[1.5282e-01, 2.9439e-06, 1.7992e-02],
[2.4949e+01, 2.3152e-02, 1.9393e+00],
[2.7028e+01, 9.1269e-02, 1.3448e+00],
[1.0069e+01, 2.8297e-03, 3.4457e-01],
[8.5592e-02, 2.4919e-06, 1.1543e-02],
[3.6535e+01, 4.6398e-02, 1.5063e+00],
[1.1981e+02, 6.4253e-01, 2.3228e+00],
[7.3652e-01, 6.8612e-05, 7.1614e-02],
[1.2925e+01, 8.4169e-02, 7.2583e-01],
[6.5778e+00, 7.6730e-03, 4.4106e-01]], dtype=torch.float64)
Iteration: 127
Inputs: tensor([[1.9640e+18, 4.5344e+02, 8.9006e+00, 4.4434e+00],
[3.6917e+18, 1.1512e+02, 1.8005e+01, 6.7402e+00],
[9.9212e+20, 4.4159e+02, 1.6504e+01, 3.2327e+00],
...,
[8.6957e+20, 3.7916e+02, 1.9932e+01, 6.9767e+00],
[6.2391e+19, 4.7175e+02, 1.6235e+01, 8.9754e+00],
[1.3416e+18, 3.0068e+02, 8.8245e-01, 6.4259e+00]], dtype=torch.float64)
Target: tensor([[4.5324e-01, 2.8116e-05, 4.0415e-02],
[8.2188e-02, 6.0894e-06, 1.1365e-02],
[1.4209e+02, 1.5895e+00, 4.7064e+00],
[6.2252e+01, 8.4738e-01, 3.1000e+00],
[1.8166e-01, 1.0198e-05, 2.1784e-02],
[3.7498e+01, 1.5628e-01, 9.8382e-01],
[1.8215e+02, 7.5741e+00, 4.4655e+00],
[6.7754e+00, 2.1771e-02, 6.3895e-01],
[2.9551e-02, 3.3735e-07, 4.3804e-03],
[3.8782e+00, 2.1242e-03, 2.5919e-01],
[1.1217e+01, 1.4369e-02, 1.1037e+00],
[7.0576e+00, 5.1772e-03, 3.8191e-01],
[3.3602e+01, 1.4808e-01, 8.9653e-01],
[1.8710e+00, 8.1649e-04, 1.8027e-01],
[9.0990e+01, 1.2972e+00, 4.1132e+00],
[1.0601e+00, 8.2652e-04, 1.2443e-01],
[1.2928e+02, 2.9568e+00, 3.3909e+00],
[8.7176e-02, 8.0981e-06, 1.2540e-02],
[1.2087e+01, 4.7056e-02, 6.0852e-01],
[6.2790e-01, 7.3053e-05, 9.3717e-02],

```

[1.4842e+02, 4.3444e+00, 4.3907e+00],  
 [6.0507e+00, 5.2536e-03, 3.1474e-01],  
 [1.5814e+01, 8.0460e-02, 6.8208e-01],  
 [5.7659e+00, 2.7197e-03, 2.1652e-01],  
 [3.8653e-01, 3.8019e-05, 2.9770e-02],  
 [3.7423e+00, 4.5926e-03, 3.0155e-01],  
 [7.6953e+00, 1.8968e-03, 2.9891e-01],  
 [3.9568e+01, 6.5102e-01, 2.5375e+00],  
 [6.5807e+01, 8.9235e-01, 2.0411e+00],  
 [1.4319e+02, 1.7263e+00, 2.6285e+00],  
 [4.9210e-01, 3.0019e-05, 6.6633e-02],  
 [1.0625e+02, 3.4842e-01, 2.9314e+00],  
 [8.2953e-03, 9.7960e-08, 1.3159e-03],  
 [4.6676e+01, 6.6859e-02, 2.2901e+00],  
 [9.4645e+01, 1.3867e+00, 3.8566e+00],  
 [5.5967e-01, 6.5837e-05, 4.3818e-02],  
 [6.2100e+01, 4.1134e-01, 2.5509e+00],  
 [6.9194e+00, 6.8989e-03, 3.4610e-01],  
 [3.4965e+00, 4.5755e-03, 2.1306e-01],  
 [8.8439e+00, 1.1348e-02, 4.9944e-01],  
 [2.4455e-01, 2.5379e-05, 2.9363e-02],  
 [4.4087e+00, 6.5749e-03, 2.7340e-01],  
 [4.0331e+00, 2.8234e-03, 1.8210e-01],  
 [6.0662e+01, 1.4587e-01, 1.6464e+00],  
 [1.5310e+02, 2.6702e-01, 3.1747e+00],  
 [9.5776e+01, 1.2263e+00, 2.3494e+00],  
 [4.6231e+00, 1.0771e-02, 4.7358e-01],  
 [4.9181e-01, 6.8237e-05, 3.8821e-02],  
 [5.8725e+01, 2.0729e-01, 2.9487e+00],  
 [5.5418e+01, 3.4043e-01, 2.2466e+00],  
 [6.1869e+01, 7.8382e-01, 1.5134e+00],  
 [4.4812e+00, 4.4129e-04, 3.1505e-01],  
 [3.6067e-01, 7.1078e-05, 3.5089e-02],  
 [4.5075e-01, 3.9872e-05, 3.4259e-02],  
 [1.1254e+02, 8.4398e-01, 2.4536e+00],  
 [4.9571e+01, 3.6326e-01, 1.1590e+00],  
 [1.9558e+00, 1.2639e-04, 1.4236e-01],  
 [9.0390e+01, 1.8748e+00, 3.9309e+00],  
 [1.4095e+01, 1.3710e-02, 6.2582e-01],  
 [1.1730e-01, 6.1642e-06, 1.5313e-02],  
 [7.4878e+00, 3.6746e-03, 7.6264e-01],  
 [4.6592e+01, 1.5531e-01, 2.8107e+00],  
 [1.8080e+02, 2.7518e+00, 2.9574e+00],  
 [8.8436e+01, 8.2205e-01, 2.6151e+00],  
 [1.4535e+00, 1.5042e-03, 1.4749e-01],  
 [1.5649e-01, 2.4909e-05, 1.9045e-02],  
 [1.6298e+01, 2.2035e-02, 9.3981e-01],  
 [4.9293e+01, 2.1684e-01, 1.0451e+00],

[7.0129e-03, 2.4390e-08, 1.0979e-03],  
[4.8223e+01, 7.9054e-01, 1.4952e+00],  
[6.9880e+00, 1.8404e-02, 4.1667e-01],  
[3.3724e+00, 1.7450e-03, 3.1890e-01],  
[7.7533e+00, 7.7623e-03, 6.7749e-01],  
[5.9754e+00, 1.0681e-02, 3.3734e-01],  
[1.6281e+01, 3.2506e-02, 8.5702e-01],  
[8.9846e+01, 1.5490e+00, 3.0697e+00],  
[5.7370e+00, 2.4085e-02, 5.8086e-01],  
[5.6142e+00, 1.5784e-03, 2.9694e-01],  
[6.1183e+01, 3.1997e-01, 3.2793e+00],  
[2.5317e+02, 6.0206e+00, 4.3444e+00],  
[6.3091e+01, 3.9474e-01, 1.7103e+00],  
[2.4445e+01, 1.3855e-01, 1.1099e+00],  
[2.7707e+00, 4.2556e-03, 2.4113e-01],  
[4.3397e-01, 5.7425e-05, 4.5455e-02],  
[2.2863e+01, 2.2433e-02, 1.0009e+00],  
[2.2830e+01, 1.3586e-01, 8.5388e-01],  
[2.0587e+02, 3.9619e+00, 3.1539e+00],  
[2.5022e+00, 7.3895e-04, 1.1439e-01],  
[6.2856e-01, 6.7588e-05, 7.2951e-02],  
[4.6719e-02, 2.5051e-07, 6.2731e-03],  
[2.2235e+02, 1.4294e+01, 4.9438e+00],  
[2.2125e+02, 1.2164e+00, 4.3370e+00],  
[1.0437e+01, 1.9872e-02, 4.3023e-01],  
[1.6571e+00, 1.0803e-03, 1.5217e-01],  
[1.9806e+02, 3.8168e+00, 4.0120e+00],  
[1.3489e+02, 1.7589e+00, 3.6535e+00],  
[2.8070e+00, 1.8896e-03, 1.9475e-01],  
[3.8422e+01, 6.7370e-01, 2.2989e+00],  
[1.9318e+00, 4.0149e-04, 1.9692e-01],  
[1.3312e+00, 1.9570e-04, 1.1101e-01],  
[5.7563e-01, 1.5440e-05, 5.5125e-02],  
[1.0669e+00, 3.4155e-04, 8.6683e-02],  
[8.6141e-02, 9.6792e-07, 1.1205e-02],  
[1.3180e+01, 2.1142e-02, 1.3966e+00],  
[2.2888e+01, 3.4629e-02, 1.4119e+00],  
[6.5633e-01, 3.0711e-06, 5.5024e-02],  
[6.4721e-01, 2.7485e-04, 6.8472e-02],  
[4.8969e+00, 2.4286e-02, 5.0242e-01],  
[5.0280e+01, 2.0305e-02, 1.9267e+00],  
[3.7775e+01, 1.6436e-02, 8.9275e-01],  
[3.2691e+01, 2.6256e-02, 1.7166e+00],  
[5.2073e+01, 7.0607e-01, 1.5174e+00],  
[5.2707e+01, 1.5273e-01, 2.1322e+00],  
[1.3899e+02, 1.5985e+00, 2.6546e+00],  
[8.4596e+01, 1.2444e+00, 2.6379e+00],  
[2.1414e+01, 7.0798e-02, 9.2566e-01],

[9.2613e+00, 5.7062e-02, 7.2510e-01],  
 [4.3092e+01, 2.2679e-01, 1.5061e+00],  
 [3.6108e+01, 2.8479e-01, 1.2714e+00],  
 [1.3030e+02, 2.7029e+00, 2.4362e+00],  
 [3.7211e+01, 6.6083e-02, 1.5249e+00],  
 [5.2897e-01, 4.9293e-05, 6.8648e-02],  
 [1.4406e+00, 2.5419e-04, 1.2287e-01],  
 [5.2983e-01, 2.9311e-05, 3.6277e-02],  
 [4.4510e+00, 3.9349e-03, 3.8669e-01],  
 [8.7661e+00, 2.5335e-03, 4.2976e-01],  
 [6.1295e-01, 5.1246e-05, 7.6225e-02],  
 [1.1476e+02, 2.9638e+00, 2.8430e+00],  
 [2.1371e-01, 3.1700e-05, 2.4979e-02],  
 [6.7138e+01, 8.4758e-01, 3.5862e+00],  
 [3.2177e+01, 3.1404e-01, 9.8234e-01],  
 [4.5222e+01, 3.4663e-02, 1.3000e+00],  
 [1.9123e-01, 1.0367e-05, 2.3701e-02],  
 [1.0810e+02, 4.4648e+00, 4.3516e+00],  
 [3.4755e-01, 5.7251e-05, 3.1267e-02],  
 [1.3497e-01, 5.2016e-06, 1.6161e-02],  
 [9.7680e+00, 2.5001e-03, 3.9491e-01],  
 [6.3341e+01, 8.4284e-01, 2.2038e+00],  
 [5.0408e+00, 8.4899e-03, 3.1875e-01],  
 [3.4937e+01, 8.5317e-02, 1.3057e+00],  
 [4.1811e+00, 2.6089e-03, 2.2158e-01],  
 [7.8000e-02, 2.0695e-06, 9.5754e-03],  
 [9.2256e-01, 3.3626e-04, 7.9023e-02],  
 [1.5928e+00, 1.7814e-03, 1.5495e-01],  
 [7.3299e-02, 4.7114e-07, 9.5161e-03],  
 [2.3669e-01, 2.9931e-05, 3.0369e-02],  
 [2.7277e+01, 8.3320e-02, 9.2104e-01],  
 [7.5553e+00, 1.4803e-02, 3.3875e-01],  
 [5.6412e+01, 6.6070e-01, 1.9374e+00],  
 [4.2735e-01, 7.6962e-05, 4.4241e-02],  
 [1.7729e+01, 5.8429e-02, 6.7057e-01],  
 [9.7476e+00, 5.9893e-03, 3.2675e-01],  
 [9.4393e+01, 1.8642e+00, 2.1040e+00],  
 [1.0053e+00, 2.5822e-04, 1.1147e-01],  
 [6.0241e+00, 5.7321e-03, 3.6753e-01],  
 [7.2457e+01, 6.2315e-01, 3.1797e+00],  
 [6.6452e-01, 2.5678e-04, 6.2260e-02],  
 [1.3617e-01, 5.7108e-06, 1.5672e-02],  
 [1.2379e+00, 6.2633e-04, 1.0522e-01],  
 [8.3819e-01, 1.2338e-05, 7.7756e-02],  
 [6.5197e-01, 6.7525e-05, 6.9504e-02],  
 [4.1369e+01, 1.8827e-01, 1.4549e+00],  
 [8.3636e+01, 7.1644e-01, 2.0637e+00],  
 [2.4029e+00, 7.8932e-04, 1.6464e-01],

[3.5968e-02, 2.0968e-06, 5.5343e-03],  
[2.2204e-02, 5.2589e-07, 3.2059e-03],  
[2.3017e+01, 5.3468e-02, 1.4279e+00],  
[2.6393e+01, 4.8026e-02, 1.8883e+00],  
[3.6802e+00, 1.1104e-03, 1.6735e-01],  
[5.2767e+01, 1.6334e-01, 1.2226e+00],  
[2.4122e+02, 6.1184e+00, 4.8676e+00],  
[4.4678e+01, 1.0318e-01, 1.1426e+00],  
[2.9311e-02, 3.0166e-07, 4.3957e-03],  
[2.3966e+01, 2.2164e-01, 1.0763e+00],  
[1.1395e+00, 2.1566e-04, 9.9018e-02],  
[7.5987e+00, 2.0108e-02, 4.2121e-01],  
[2.1467e+01, 7.1127e-02, 9.9161e-01],  
[1.7516e-01, 1.5516e-05, 2.3631e-02],  
[5.6742e-01, 7.2856e-06, 5.3209e-02],  
[1.6908e-01, 9.8546e-07, 2.1518e-02],  
[2.4047e-02, 2.1615e-07, 3.4033e-03],  
[3.0906e+01, 1.6392e-01, 8.8738e-01],  
[9.6722e+00, 1.0588e-02, 6.3097e-01],  
[3.0994e+00, 3.6754e-03, 3.6993e-01],  
[1.8705e+01, 3.8760e-03, 8.6145e-01],  
[3.1420e+01, 1.4081e-01, 9.6792e-01],  
[3.0571e+00, 1.4513e-03, 3.0302e-01],  
[4.6602e+01, 1.5558e-01, 2.1892e+00],  
[1.4120e+01, 3.8657e-02, 8.6902e-01],  
[8.0349e+01, 1.2025e+00, 2.5186e+00],  
[4.4962e+00, 4.8623e-03, 2.4920e-01],  
[2.5142e+01, 1.5458e-01, 8.5622e-01],  
[1.7435e-03, 8.3173e-10, 2.8203e-04],  
[9.7849e+01, 2.6700e-01, 1.9631e+00],  
[1.7736e+02, 1.5141e+00, 3.8294e+00],  
[2.9745e+01, 1.2356e-01, 2.4162e+00],  
[1.8701e+00, 4.0597e-04, 1.6879e-01],  
[4.9882e+01, 6.1240e-01, 2.8012e+00],  
[1.3881e+00, 4.3139e-04, 1.4398e-01],  
[6.7263e-02, 6.2371e-07, 8.7753e-03],  
[7.7456e-02, 4.7868e-06, 1.1639e-02],  
[2.4810e+02, 8.1713e+00, 4.0325e+00],  
[1.9748e+02, 9.9017e+00, 4.0977e+00],  
[8.1570e+01, 2.0574e+00, 3.8509e+00],  
[2.6846e+00, 5.6439e-03, 3.3292e-01],  
[4.0547e+01, 2.5902e-01, 1.8471e+00],  
[1.1803e+00, 2.2068e-04, 1.1607e-01],  
[8.7062e+01, 1.5807e+00, 2.0634e+00],  
[3.0351e+00, 9.3645e-04, 2.7452e-01],  
[6.8734e-02, 2.4963e-07, 8.9337e-03],  
[5.1869e+01, 1.0212e+00, 1.9869e+00],  
[1.5298e+02, 8.6990e-01, 3.9181e+00],



[5.4613e-01, 9.3330e-05, 6.6287e-02],  
[1.1347e+01, 1.7180e-02, 4.3630e-01],  
[4.8224e+01, 1.5421e-01, 1.5620e+00],  
[1.0191e+01, 3.7519e-02, 7.0387e-01],  
[1.4178e-01, 1.0641e-05, 1.9113e-02],  
[6.8296e+00, 2.8942e-02, 7.9949e-01],  
[1.2237e+02, 1.4687e+00, 3.7447e+00],  
[1.4465e-01, 1.6518e-06, 1.9222e-02],  
[1.3882e-01, 4.3759e-06, 1.5957e-02],  
[2.5239e+01, 1.2056e-01, 8.2982e-01],  
[6.3990e-02, 2.1198e-06, 8.8504e-03],  
[3.8547e-01, 1.7660e-05, 3.3945e-02],  
[5.1963e+00, 4.8572e-03, 3.5081e-01],  
[2.4200e+01, 1.3815e-01, 7.7530e-01],  
[1.2912e+02, 1.3005e+00, 3.0062e+00],  
[1.9634e-02, 1.6218e-07, 3.0488e-03],  
[2.4337e+01, 1.8599e-01, 1.8473e+00],  
[5.1127e+00, 2.2750e-03, 3.4349e-01],  
[2.0212e+00, 1.3626e-04, 1.3609e-01],  
[7.2276e-02, 5.0753e-07, 1.0148e-02],  
[4.5235e-01, 7.8120e-05, 4.7401e-02],  
[1.2283e+00, 3.0239e-04, 9.5564e-02],  
[2.8895e-01, 1.7789e-06, 2.7176e-02],  
[1.2723e+01, 3.1580e-02, 9.5995e-01],  
[1.5889e+02, 1.6885e-01, 3.3804e+00],  
[1.1602e+01, 2.2298e-03, 7.7271e-01],  
[9.2751e-02, 5.0747e-06, 1.2917e-02],  
[1.7309e+00, 8.7791e-04, 1.2876e-01],  
[6.9069e+01, 8.0735e-01, 3.1351e+00],  
[7.9035e-01, 1.3134e-04, 5.4364e-02],  
[1.4351e+02, 2.4035e+00, 3.4962e+00],  
[5.8220e+01, 6.0037e-01, 1.9640e+00],  
[1.4190e+01, 1.6609e-02, 1.0256e+00],  
[3.4129e+01, 2.2932e-01, 1.0865e+00],  
[1.3052e-02, 1.2139e-07, 1.9505e-03],  
[1.1501e-01, 9.5349e-06, 1.3940e-02],  
[9.1866e-01, 2.3894e-04, 7.9472e-02],  
[8.8096e-01, 1.4149e-03, 1.1703e-01],  
[5.2128e+00, 5.0230e-03, 5.5867e-01],  
[4.4302e-01, 3.9687e-06, 4.5690e-02],  
[1.6833e+02, 3.0463e+00, 3.3449e+00],  
[9.3436e+00, 2.2944e-02, 4.9968e-01],  
[1.7090e+02, 5.6010e+00, 4.1499e+00],  
[5.3865e+00, 4.8517e-03, 2.5085e-01],  
[2.8173e+01, 2.1587e-01, 1.2494e+00],  
[6.6446e-01, 1.1544e-04, 7.5904e-02],  
[7.7267e+00, 1.6668e-02, 7.8448e-01],  
[1.4650e+01, 1.5321e-02, 5.7337e-01],

[4.2663e+01, 6.7291e-02, 2.5128e+00],  
[4.0873e+00, 1.1926e-03, 2.3875e-01],  
[5.2480e+00, 1.1419e-02, 4.3020e-01],  
[3.5376e-01, 4.0581e-05, 3.7593e-02],  
[2.6010e-02, 4.0297e-07, 3.8268e-03],  
[8.6522e+00, 2.7956e-02, 4.0199e-01],  
[2.1879e-02, 2.5042e-07, 3.2738e-03],  
[2.0028e+01, 8.8199e-02, 1.2023e+00],  
[2.2343e+01, 1.6980e-01, 1.6546e+00],  
[1.2086e+01, 3.0978e-02, 5.1224e-01],  
[4.0225e-02, 6.1900e-07, 5.7541e-03],  
[3.9473e+00, 2.4125e-03, 2.0337e-01],  
[4.6752e+01, 3.7755e-01, 1.8926e+00],  
[1.1501e+01, 1.1281e-02, 4.6108e-01],  
[5.1633e+00, 3.4053e-03, 4.1966e-01],  
[6.4027e+01, 6.8627e-01, 2.4940e+00],  
[1.8907e+01, 8.3776e-03, 1.5224e+00],  
[2.8808e-02, 7.4676e-07, 4.0971e-03],  
[8.1782e+01, 2.3523e-01, 3.1700e+00],  
[1.0286e+00, 7.3618e-05, 8.0255e-02],  
[8.1133e-01, 1.4450e-04, 7.8492e-02],  
[3.0660e-02, 1.0358e-07, 4.5701e-03],  
[2.1662e+01, 2.0247e-02, 8.0131e-01],  
[6.8416e+01, 6.2851e-01, 2.5210e+00],  
[1.1866e+01, 1.5325e-02, 7.3276e-01],  
[1.7076e+00, 9.4081e-04, 1.8790e-01],  
[7.2339e+00, 3.8878e-02, 5.5907e-01],  
[6.7887e+01, 9.7292e-01, 2.0964e+00],  
[2.0530e-01, 3.2109e-05, 2.7896e-02],  
[7.2923e+00, 8.5313e-03, 6.4465e-01],  
[4.7999e+01, 1.9416e-01, 1.2339e+00],  
[3.8920e+00, 1.9256e-03, 2.5819e-01],  
[1.3764e+02, 2.5289e-01, 3.1769e+00],  
[1.3792e+02, 1.4051e+00, 3.0976e+00],  
[1.0361e+02, 6.4990e-01, 2.3101e+00],  
[3.8239e-01, 1.2977e-05, 3.7907e-02],  
[1.2309e+01, 3.9296e-03, 7.2485e-01],  
[5.4820e+00, 5.1971e-03, 3.3761e-01],  
[2.9516e+01, 2.9266e-03, 9.6442e-01],  
[3.2901e+00, 2.3105e-03, 2.4908e-01],  
[1.6177e+01, 7.5028e-02, 7.2106e-01],  
[2.3258e+02, 2.2002e+00, 4.5687e+00],  
[1.1537e-01, 5.5323e-06, 1.7198e-02],  
[1.7472e-01, 2.0258e-05, 2.0683e-02],  
[7.1456e-02, 3.2831e-06, 9.9205e-03],  
[1.2690e-01, 8.1171e-06, 1.5698e-02],  
[1.7549e+01, 2.5545e-02, 5.4969e-01],  
[2.0077e-01, 1.5812e-05, 2.2900e-02],

```

[2.1508e-02, 7.5839e-08, 3.3679e-03],
[1.2145e-01, 4.7236e-07, 1.5566e-02],
[2.9156e-01, 3.7836e-05, 3.6096e-02],
[2.0558e-01, 1.1567e-05, 2.5057e-02],
[3.6559e-01, 5.2240e-05, 4.5377e-02],
[4.1290e-01, 4.9594e-05, 4.5947e-02],
[2.3672e+01, 1.3772e-01, 8.7247e-01],
[1.8572e+00, 9.4607e-04, 1.7564e-01],
[4.5470e+01, 5.6177e-01, 2.5335e+00],
[1.6117e+02, 5.5864e+00, 4.5481e+00],
[3.6115e+01, 3.9639e-01, 1.0574e+00],
[5.3103e-01, 2.4238e-05, 3.8937e-02]], dtype=torch.float64)
Iteration: 128
Inputs: tensor([[2.5429e+20, 2.9841e+02, 1.8169e+01, 3.4301e+00],
[7.0984e+18, 1.3352e+02, 4.1257e+00, 2.0484e+00],
[1.2144e+19, 2.3502e+02, 1.6608e+01, 5.5752e+00],
...,
[1.0907e+18, 3.2224e+02, 5.3050e+00, 7.7439e+00],
[7.0709e+20, 2.2668e+02, 9.0642e+00, 8.0034e+00],
[1.3069e+18, 1.2083e+02, 1.1007e+01, 2.1625e+00]], dtype=torch.float64)
Target: tensor([[3.5881e+01, 1.7520e-01, 1.8842e+00],
[4.6065e-01, 1.0724e-05, 5.3642e-02],
[1.7182e+00, 1.0368e-03, 1.5752e-01],
[9.6899e+00, 1.4015e-02, 4.7771e-01],
[1.0521e+00, 1.1860e-04, 9.8164e-02],
[2.8257e+01, 1.3745e-01, 1.1905e+00],
[2.1566e+00, 2.6453e-04, 1.4206e-01],
[6.2622e-01, 1.0294e-05, 7.3495e-02],
[1.8244e+02, 7.6520e+00, 4.5585e+00],
[2.6420e-02, 6.9703e-07, 3.6964e-03],
[2.0695e+02, 6.0850e+00, 3.9437e+00],
[1.2401e-02, 2.1158e-08, 1.9256e-03],
[1.9422e+00, 7.4706e-04, 1.0893e-01],
[2.1561e-01, 2.8119e-05, 2.2343e-02],
[3.2690e+01, 1.3471e-01, 1.5289e+00],
[3.9489e+01, 3.5933e-01, 1.9433e+00],
[3.1817e+00, 3.3942e-03, 2.0226e-01],
[1.8602e+02, 5.5663e+00, 3.7722e+00],
[4.7106e+01, 3.7907e-01, 1.1472e+00],
[1.7993e+02, 7.1373e-01, 4.0107e+00],
[2.8563e-02, 2.3717e-07, 4.1180e-03],
[8.4893e-02, 2.3091e-06, 1.0483e-02],
[2.2271e+01, 1.1122e-01, 1.2511e+00],
[9.7858e+00, 4.7300e-03, 6.9052e-01],
[2.9365e+01, 2.9183e-01, 1.1560e+00],
[1.3783e+00, 4.7050e-04, 1.5406e-01],
[1.4361e+00, 2.3851e-03, 1.9385e-01],
[5.9842e+00, 7.7239e-03, 3.9582e-01],

```

[4.2543e+01, 2.1516e-01, 1.9222e+00],  
 [3.7223e-02, 2.2428e-07, 5.0716e-03],  
 [7.7904e+00, 7.8056e-03, 3.7274e-01],  
 [1.6936e+01, 2.7758e-02, 5.2124e-01],  
 [1.6074e+01, 2.1803e-02, 8.9659e-01],  
 [4.0912e+01, 1.1908e-01, 9.5691e-01],  
 [6.3984e+01, 4.5988e-01, 1.8065e+00],  
 [6.0519e+01, 5.8895e-01, 1.6492e+00],  
 [9.8108e-01, 4.9307e-05, 6.4175e-02],  
 [1.1615e+02, 1.2284e+00, 2.2792e+00],  
 [1.1209e-01, 2.2131e-06, 1.4721e-02],  
 [2.8456e+00, 2.5441e-03, 2.2248e-01],  
 [2.6474e+02, 5.4380e+00, 4.7794e+00],  
 [9.6675e+01, 2.1729e-01, 2.0780e+00],  
 [2.6681e+01, 7.6157e-02, 6.9253e-01],  
 [8.9765e+00, 8.6921e-03, 3.4994e-01],  
 [3.9750e+00, 3.1325e-03, 3.2898e-01],  
 [4.9163e+00, 3.1645e-03, 2.7905e-01],  
 [6.1716e-01, 3.7775e-05, 7.7632e-02],  
 [5.5892e+00, 3.0296e-03, 2.2261e-01],  
 [5.7281e+00, 4.9941e-03, 3.0574e-01],  
 [4.1150e+00, 1.6596e-03, 4.6122e-01],  
 [5.3998e+00, 1.7258e-03, 3.5692e-01],  
 [1.1642e+02, 1.9205e+00, 3.4132e+00],  
 [1.3657e+02, 4.7028e+00, 3.7451e+00],  
 [4.1592e+01, 2.7245e-01, 1.6374e+00],  
 [5.3134e+00, 8.7215e-03, 3.0580e-01],  
 [1.9694e+01, 1.2833e-02, 6.6443e-01],  
 [8.1909e+01, 1.6435e+00, 3.4538e+00],  
 [1.7509e+01, 1.9850e-02, 7.6873e-01],  
 [1.0938e+02, 7.0106e-01, 3.4572e+00],  
 [3.7264e+01, 1.5655e-02, 1.5728e+00],  
 [3.0366e+01, 9.2722e-02, 1.7244e+00],  
 [5.0309e+00, 2.6221e-03, 3.9259e-01],  
 [4.7755e+01, 1.5540e-01, 2.1551e+00],  
 [3.4488e+00, 2.7352e-03, 3.2370e-01],  
 [2.4151e-02, 2.5089e-07, 3.3924e-03],  
 [2.2644e+01, 3.6216e-02, 1.2114e+00],  
 [7.4004e+00, 9.8235e-03, 3.2672e-01],  
 [3.7115e+01, 4.7714e-01, 1.4556e+00],  
 [1.2666e+01, 3.6489e-02, 6.2686e-01],  
 [5.8424e+01, 9.8385e-02, 3.1428e+00],  
 [4.6733e+00, 6.4606e-03, 2.7348e-01],  
 [5.5999e+00, 3.4411e-03, 3.5627e-01],  
 [3.9514e+01, 3.9700e-01, 1.1383e+00],  
 [9.0290e+01, 1.2428e+00, 3.9258e+00],  
 [5.1063e+01, 7.6473e-01, 1.7791e+00],  
 [2.2903e-01, 1.0106e-05, 2.1294e-02],

[8.2844e+00, 6.3537e-03, 4.0068e-01],  
[2.2046e+01, 1.6596e-01, 8.9829e-01],  
[3.8779e+01, 4.7243e-01, 2.1523e+00],  
[4.7574e-02, 2.1348e-06, 6.9020e-03],  
[7.5637e-01, 6.2417e-05, 6.4109e-02],  
[3.2435e-03, 4.6092e-09, 5.2785e-04],  
[1.5188e-01, 1.4959e-05, 2.1401e-02],  
[3.6555e+01, 1.3676e-01, 1.4905e+00],  
[5.7520e+01, 5.9768e-01, 1.4988e+00],  
[4.8604e-02, 3.2543e-06, 7.2809e-03],  
[2.1079e-03, 8.4491e-10, 3.3436e-04],  
[5.2708e-02, 5.9209e-07, 7.3107e-03],  
[5.0971e+01, 3.2333e-01, 2.2317e+00],  
[4.3962e+01, 3.5864e-01, 1.4543e+00],  
[5.3455e-01, 5.1385e-05, 4.3124e-02],  
[1.6535e+00, 1.0767e-03, 1.7901e-01],  
[1.5918e+01, 1.7855e-02, 1.0353e+00],  
[3.7207e-01, 9.1931e-05, 4.4794e-02],  
[2.0376e-02, 8.3332e-08, 3.1544e-03],  
[8.4397e+01, 2.3425e-01, 3.8394e+00],  
[1.2151e+02, 1.8983e+00, 3.5516e+00],  
[3.1787e+01, 1.3477e-01, 1.0853e+00],  
[2.3150e+00, 2.5122e-03, 2.3698e-01],  
[1.5276e-02, 1.3274e-07, 2.3207e-03],  
[4.3131e-02, 1.7049e-06, 6.0742e-03],  
[2.8942e+02, 1.5843e+01, 5.0928e+00],  
[2.1844e+00, 1.0765e-03, 2.0240e-01],  
[4.9162e+00, 6.0734e-03, 2.4400e-01],  
[5.8490e+00, 4.9072e-03, 2.9639e-01],  
[4.2944e+00, 4.1760e-03, 4.4634e-01],  
[6.9255e+01, 5.1740e-01, 2.5110e+00],  
[4.3190e+01, 4.2360e-01, 1.7367e+00],  
[2.0264e+01, 3.0323e-02, 5.1426e-01],  
[1.3243e+00, 1.2175e-04, 9.4760e-02],  
[1.8730e+00, 4.5778e-04, 1.1398e-01],  
[1.3490e-02, 8.5227e-08, 2.0489e-03],  
[6.4970e-01, 1.0809e-04, 5.6737e-02],  
[7.2301e+00, 1.0405e-02, 3.7078e-01],  
[1.0043e+00, 1.1768e-03, 1.2516e-01],  
[4.4973e-02, 7.7503e-07, 6.1910e-03],  
[1.6924e+00, 1.6851e-04, 1.5215e-01],  
[2.7867e-01, 2.2078e-05, 2.5405e-02],  
[7.4516e+01, 6.0338e-01, 3.5806e+00],  
[2.3927e-01, 3.6992e-05, 2.5880e-02],  
[2.8887e+00, 1.0857e-03, 1.7913e-01],  
[9.5807e-01, 1.5298e-04, 6.4033e-02],  
[2.3235e+00, 1.4900e-04, 1.4209e-01],  
[1.7048e+02, 3.5853e+00, 3.7763e+00],

[4.2975e-01, 5.3179e-05, 3.2112e-02],  
 [4.7183e-02, 1.3343e-06, 6.2326e-03],  
 [7.3261e+00, 1.4548e-02, 4.8368e-01],  
 [8.3824e+01, 8.8928e-02, 1.7022e+00],  
 [8.9072e-02, 1.5886e-05, 1.3138e-02],  
 [1.6500e+02, 6.7598e+00, 4.1783e+00],  
 [1.4475e+02, 2.9433e+00, 4.7120e+00],  
 [4.9518e+01, 5.8238e-01, 1.6182e+00],  
 [5.4414e+01, 4.3093e-02, 1.7301e+00],  
 [6.5459e-02, 6.1510e-06, 9.3891e-03],  
 [5.0785e-01, 2.3027e-05, 5.8428e-02],  
 [3.5250e+00, 4.3810e-04, 2.1575e-01],  
 [1.0505e-01, 3.6077e-06, 1.3105e-02],  
 [9.9389e+01, 9.2770e-01, 2.1801e+00],  
 [2.7561e-02, 2.0713e-07, 4.3480e-03],  
 [3.8392e+01, 3.2120e-01, 1.7536e+00],  
 [3.8015e-01, 6.1663e-05, 3.7506e-02],  
 [1.1174e-01, 3.6133e-06, 1.4378e-02],  
 [2.8438e-01, 1.4355e-05, 3.5279e-02],  
 [9.8793e+01, 1.4323e+00, 3.6838e+00],  
 [3.9739e-03, 1.7756e-08, 6.3209e-04],  
 [4.9868e+00, 1.5187e-03, 2.6790e-01],  
 [8.6037e+00, 5.8351e-04, 3.3145e-01],  
 [4.4069e+01, 5.2812e-01, 1.5080e+00],  
 [5.4752e-01, 9.5146e-05, 4.8516e-02],  
 [2.6392e+01, 4.5104e-02, 1.5412e+00],  
 [3.6493e-01, 5.2826e-05, 3.4848e-02],  
 [9.8992e+00, 9.7678e-03, 5.5995e-01],  
 [4.6888e+00, 5.1583e-03, 3.2288e-01],  
 [9.4931e+00, 6.3335e-03, 4.1834e-01],  
 [2.3467e+01, 7.6488e-02, 1.5345e+00],  
 [2.4916e+01, 7.0063e-02, 1.1319e+00],  
 [9.7721e-02, 1.2341e-06, 1.3698e-02],  
 [4.6804e+01, 3.1527e-01, 3.0825e+00],  
 [1.7043e+02, 6.6543e+00, 3.8434e+00],  
 [4.8810e-03, 7.7919e-09, 7.5983e-04],  
 [2.6220e+00, 4.1417e-04, 1.9112e-01],  
 [1.3614e+02, 1.8393e+00, 2.3244e+00],  
 [2.6202e+00, 2.4320e-03, 2.7004e-01],  
 [1.2804e-01, 1.0013e-05, 1.8208e-02],  
 [8.9591e+01, 1.3896e-01, 2.9838e+00],  
 [7.9614e-02, 3.2664e-06, 9.6439e-03],  
 [8.2105e-01, 3.5116e-04, 9.1698e-02],  
 [5.6422e-01, 4.9072e-05, 5.0333e-02],  
 [1.4704e+01, 4.6112e-02, 5.8297e-01],  
 [7.2824e+00, 1.7534e-02, 4.3830e-01],  
 [3.4741e-01, 2.0934e-05, 4.4087e-02],  
 [1.6977e-02, 4.0386e-08, 2.4580e-03],

[7.2685e+00, 9.0151e-04, 5.4211e-01],  
 [1.7535e+01, 4.7790e-02, 1.0104e+00],  
 [1.8127e+01, 1.9369e-01, 1.3708e+00],  
 [4.5462e+01, 7.0264e-01, 1.5276e+00],  
 [1.1436e+01, 6.4318e-03, 6.0245e-01],  
 [3.6027e+00, 2.4321e-03, 2.5314e-01],  
 [1.0108e+01, 1.2910e-02, 4.9091e-01],  
 [7.5677e-01, 1.1940e-04, 5.4304e-02],  
 [1.1548e+01, 3.1426e-02, 7.4626e-01],  
 [1.1504e+01, 1.7597e-02, 7.3400e-01],  
 [2.7974e-01, 4.1280e-05, 2.5916e-02],  
 [1.1762e+01, 3.7863e-02, 6.4431e-01],  
 [2.4491e+01, 1.0610e-01, 7.8153e-01],  
 [3.0035e-01, 1.4072e-05, 3.0301e-02],  
 [1.4955e+02, 1.9215e+00, 4.7557e+00],  
 [3.0279e+00, 1.2127e-03, 2.2914e-01],  
 [2.1033e+01, 1.1846e-02, 1.0057e+00],  
 [2.0978e+00, 8.8751e-04, 1.9228e-01],  
 [2.0332e-01, 7.4906e-06, 2.1498e-02],  
 [6.4548e-01, 1.9657e-04, 5.2381e-02],  
 [3.5777e-01, 5.5280e-05, 4.8898e-02],  
 [2.8354e+01, 1.0309e-01, 7.9645e-01],  
 [1.9675e+00, 5.7341e-04, 2.2311e-01],  
 [5.7689e+01, 1.9824e-01, 1.2005e+00],  
 [3.2696e-01, 3.7291e-06, 3.4870e-02],  
 [2.2901e+01, 2.1487e-01, 1.1234e+00],  
 [6.9959e-03, 1.2570e-09, 1.0802e-03],  
 [2.5650e+01, 1.1069e-01, 9.3288e-01],  
 [2.7667e-01, 5.0117e-05, 3.0095e-02],  
 [2.1631e+02, 9.2846e-01, 3.7882e+00],  
 [3.0484e-01, 4.3618e-05, 3.5162e-02],  
 [2.7564e+01, 1.7977e-01, 2.1391e+00],  
 [6.0020e+00, 4.0993e-03, 3.1114e-01],  
 [1.6277e+02, 6.2250e+00, 4.7223e+00],  
 [1.0119e+01, 3.7021e-02, 7.2596e-01],  
 [2.2499e+01, 2.4293e-02, 1.4244e+00],  
 [1.5389e+02, 1.6254e+00, 4.3940e+00],  
 [5.7061e+00, 1.1226e-02, 5.1406e-01],  
 [2.7251e+02, 1.0291e+00, 4.5522e+00],  
 [3.5079e+01, 4.0259e-03, 1.0102e+00],  
 [2.5518e+00, 3.4575e-03, 2.1158e-01],  
 [6.7081e+00, 2.2057e-03, 5.0290e-01],  
 [3.6100e+01, 1.1656e-01, 8.6261e-01],  
 [6.6228e-01, 3.5507e-04, 6.8327e-02],  
 [1.0094e+00, 1.7586e-04, 8.8045e-02],  
 [1.3989e+01, 2.8848e-03, 7.1429e-01],  
 [5.4579e-02, 2.2379e-06, 7.4699e-03],  
 [4.4170e-01, 5.3761e-06, 4.7677e-02],

[1.0921e+02, 1.9226e+00, 3.1109e+00],  
 [4.1883e+01, 1.2731e-01, 1.4299e+00],  
 [2.2127e+01, 8.2977e-02, 1.2930e+00],  
 [4.9303e-01, 1.6446e-05, 5.7663e-02],  
 [3.5696e+00, 5.2116e-04, 1.9458e-01],  
 [5.6929e-02, 1.4894e-06, 7.2302e-03],  
 [3.6958e+00, 1.3764e-03, 3.4593e-01],  
 [1.0256e+00, 5.4983e-04, 1.1441e-01],  
 [6.8562e+00, 3.9832e-03, 5.7379e-01],  
 [4.3021e+01, 1.1148e-01, 2.0779e+00],  
 [1.2158e+01, 8.5960e-03, 8.4737e-01],  
 [7.9855e+01, 8.0138e-02, 3.2895e+00],  
 [1.7281e+02, 2.9854e+00, 4.7435e+00],  
 [7.3346e-02, 3.9798e-06, 1.1006e-02],  
 [9.2147e-01, 2.8099e-04, 8.8907e-02],  
 [1.6285e+00, 1.4521e-03, 1.4548e-01],  
 [4.6107e+00, 3.6763e-03, 3.1925e-01],  
 [2.3494e-02, 3.9151e-07, 3.4654e-03],  
 [6.0519e+01, 4.7008e-01, 2.3713e+00],  
 [9.1429e+00, 4.2037e-03, 5.6993e-01],  
 [1.3446e+01, 2.6285e-02, 6.3950e-01],  
 [2.8857e+00, 2.4371e-03, 1.7694e-01],  
 [8.6673e+00, 1.9017e-02, 9.0230e-01],  
 [4.6164e+01, 1.3479e-01, 1.8208e+00],  
 [2.0581e+02, 1.7263e+00, 4.9385e+00],  
 [5.1014e-01, 3.0949e-05, 6.4583e-02],  
 [9.9807e-01, 2.6559e-05, 6.2892e-02],  
 [1.2600e+01, 3.5366e-02, 6.2182e-01],  
 [1.7998e+01, 3.0853e-02, 1.2264e+00],  
 [1.7133e+01, 4.7513e-02, 1.3932e+00],  
 [3.3433e+01, 2.4309e-01, 2.6331e+00],  
 [6.5938e-01, 2.1913e-05, 4.9997e-02],  
 [1.2846e+02, 3.2209e+00, 3.9219e+00],  
 [9.2977e-03, 5.0077e-08, 1.4467e-03],  
 [4.9940e-03, 3.7769e-09, 7.8814e-04],  
 [4.9554e+01, 5.5775e-02, 2.2553e+00],  
 [3.3537e+00, 1.0466e-04, 1.8351e-01],  
 [8.4072e+01, 1.4671e+00, 2.6128e+00],  
 [9.3789e+01, 9.5975e-01, 1.6536e+00],  
 [8.6670e-02, 1.0264e-05, 1.2397e-02],  
 [8.9670e+01, 4.4647e-01, 3.6740e+00],  
 [2.5420e+01, 1.0494e-01, 8.6449e-01],  
 [1.1324e+00, 2.3490e-04, 6.8959e-02],  
 [3.4838e+01, 3.7592e-01, 1.4532e+00],  
 [1.3376e-01, 7.5775e-06, 1.5198e-02],  
 [3.4781e-02, 5.4027e-07, 5.0434e-03],  
 [1.0665e+02, 3.6135e+00, 2.9363e+00],  
 [5.8130e+01, 2.0468e-01, 3.0976e+00],



[2.8653e+00, 1.2304e-03, 2.1537e-01],  
[1.4731e+02, 1.4738e+00, 3.3331e+00],  
[7.0127e+01, 1.0779e+00, 1.9080e+00],  
[4.0897e-01, 5.5430e-05, 3.3602e-02],  
[4.2323e-02, 4.3013e-07, 6.1603e-03],  
[1.3256e+00, 3.3698e-04, 1.2517e-01],  
[1.6465e+02, 2.3657e+00, 4.4504e+00],  
[7.6257e+00, 2.4676e-03, 3.7938e-01],  
[2.9412e-01, 5.6943e-06, 3.2056e-02],  
[3.5371e+01, 4.8154e-03, 8.9030e-01],  
[7.9004e-02, 4.7144e-06, 1.0233e-02],  
[2.2557e+00, 4.2371e-04, 1.7781e-01],  
[3.0610e-01, 2.7556e-05, 3.4270e-02],  
[4.1710e-01, 3.3999e-05, 5.7413e-02],  
[1.5867e+01, 4.0983e-03, 5.0634e-01],  
[1.4596e+02, 2.9571e+00, 4.4043e+00],  
[3.2518e+00, 1.0266e-03, 2.6528e-01],  
[1.5002e-01, 1.4242e-05, 1.6095e-02],  
[8.7541e-01, 3.2137e-04, 1.1845e-01],  
[2.3422e+01, 7.9258e-02, 1.9552e+00],  
[5.7212e-02, 1.6485e-06, 7.8166e-03],  
[1.5038e-02, 3.1067e-08, 2.2032e-03],  
[4.4603e-01, 8.1901e-05, 3.5685e-02],  
[2.1964e+01, 1.1418e-01, 8.8730e-01],  
[6.5225e+01, 8.6892e-01, 1.7393e+00],  
[1.0533e+02, 1.3084e+00, 3.8319e+00],  
[2.0657e-01, 3.5369e-06, 2.5680e-02],  
[2.3389e+00, 1.8015e-03, 2.0779e-01],  
[1.3339e+00, 1.8427e-05, 7.3011e-02],  
[2.2754e+01, 3.6995e-02, 7.3462e-01],  
[1.4097e-01, 8.2454e-06, 1.6434e-02],  
[4.0516e+00, 2.7487e-03, 2.1193e-01],  
[2.1056e+00, 9.4300e-04, 1.9136e-01],  
[6.9214e+01, 5.4015e-01, 1.8197e+00],  
[2.3880e+02, 1.1480e+01, 4.9025e+00],  
[6.6902e+00, 5.9725e-03, 3.0457e-01],  
[3.1084e-01, 7.4825e-06, 3.3893e-02],  
[2.8770e+01, 3.9700e-02, 1.0964e+00],  
[4.6142e+00, 8.1095e-03, 3.7809e-01],  
[7.9071e+00, 3.7254e-02, 6.8233e-01],  
[6.4683e+00, 5.0727e-03, 4.0083e-01],  
[1.2807e+02, 1.9782e+00, 3.2119e+00],  
[9.7436e+01, 9.0937e-01, 1.6765e+00],  
[8.3346e-02, 4.7580e-06, 1.1742e-02],  
[5.2454e+01, 2.2593e-01, 1.5353e+00],  
[3.3230e+01, 2.3060e-01, 1.3657e+00],  
[5.8829e+01, 1.1907e+00, 2.6913e+00],  
[2.3040e+02, 1.5682e+00, 4.5469e+00],

```

[1.3525e-01, 1.3665e-05, 1.5621e-02],
[2.5634e-01, 1.6158e-05, 2.3246e-02],
[1.4599e+02, 3.3901e+00, 4.0854e+00],
[5.6752e-03, 6.4211e-09, 8.7867e-04]], dtype=torch.float64)
Iteration: 129
Inputs: tensor([[1.9014e+20, 2.0016e+02, 1.7799e+01, 7.5837e+00],
[6.6940e+20, 5.2326e+01, 1.1072e+01, 1.1371e+00],
[1.3616e+19, 4.5663e+02, 6.3456e+00, 2.1601e+00],
...,
[4.1559e+20, 8.0352e+01, 1.2895e+01, 4.9729e+00],
[8.8611e+20, 5.9207e+01, 1.4013e+01, 8.1166e+00],
[3.7285e+20, 1.1923e+02, 1.7103e+01, 6.0050e+00]], dtype=torch.float64)
Target: tensor([[3.5698e+01, 4.2191e-01, 1.6983e+00],
[2.7661e+00, 7.6552e-04, 3.7169e-01],
[4.8550e+00, 7.3047e-04, 2.9354e-01],
[2.0465e-02, 9.6930e-08, 2.9532e-03],
[4.7903e+01, 2.9275e-01, 1.2116e+00],
[1.2554e+01, 4.6641e-02, 5.0522e-01],
[3.8202e-01, 9.6606e-05, 4.3394e-02],
[3.6901e+01, 2.2856e-01, 1.3092e+00],
[1.4896e+00, 9.0863e-05, 1.1178e-01],
[2.3329e+01, 1.9413e-01, 1.2583e+00],
[2.6648e+00, 4.2929e-03, 3.2542e-01],
[9.3147e+00, 2.7745e-02, 4.7113e-01],
[3.8669e+01, 4.0800e-01, 1.4258e+00],
[4.3778e-01, 4.4062e-05, 4.1508e-02],
[2.0094e+00, 1.2356e-03, 1.6020e-01],
[3.2073e+00, 2.5956e-03, 2.5760e-01],
[1.2129e+02, 2.5148e+00, 3.2044e+00],
[5.7565e+01, 5.6522e-01, 2.0133e+00],
[2.3106e+01, 5.2998e-02, 5.5846e-01],
[2.0832e+02, 5.9852e+00, 3.8196e+00],
[1.5324e-02, 6.9418e-08, 2.2385e-03],
[1.1603e-02, 1.3186e-07, 1.7920e-03],
[6.1181e+00, 1.3973e-02, 4.0666e-01],
[2.8658e+00, 1.4838e-03, 2.4280e-01],
[9.5857e+01, 2.1939e+00, 2.7519e+00],
[1.7772e+01, 7.5622e-02, 7.7761e-01],
[1.7588e+01, 3.8174e-02, 8.3201e-01],
[2.1730e-01, 2.0861e-06, 2.4797e-02],
[4.1620e+01, 9.3966e-02, 2.4840e+00],
[1.1835e+02, 2.2615e+00, 2.9571e+00],
[4.7570e+01, 2.6504e-01, 1.6532e+00],
[4.4370e+00, 2.6775e-03, 3.2457e-01],
[1.1358e+01, 6.1840e-02, 7.6091e-01],
[1.8456e+02, 5.5138e+00, 4.0680e+00],
[1.6479e+01, 4.3021e-02, 7.8284e-01],
[8.8884e-01, 8.4167e-05, 8.8311e-02],

```

[2.7679e+01, 1.7807e-01, 8.2731e-01],  
 [1.4794e-01, 1.1706e-06, 1.9011e-02],  
 [3.8025e+01, 1.4738e-01, 1.5226e+00],  
 [5.6566e+01, 2.0208e-02, 2.2330e+00],  
 [2.9463e+00, 9.8813e-04, 2.7980e-01],  
 [3.3625e-01, 2.0541e-06, 4.1450e-02],  
 [1.6906e+02, 2.9474e+00, 4.3664e+00],  
 [5.7753e+00, 3.7825e-03, 3.8714e-01],  
 [3.2914e+01, 1.1253e-01, 9.1853e-01],  
 [1.3015e+02, 2.1437e+00, 3.0055e+00],  
 [2.8374e+00, 3.6989e-04, 1.9540e-01],  
 [2.9057e+00, 2.6864e-04, 2.6415e-01],  
 [7.2658e+00, 1.7578e-02, 4.5485e-01],  
 [1.6325e+01, 1.9790e-02, 1.1848e+00],  
 [2.0613e+02, 1.0722e+01, 4.4885e+00],  
 [1.9114e+02, 3.1225e-01, 3.8110e+00],  
 [2.5353e+00, 4.0781e-04, 2.6054e-01],  
 [5.6262e+00, 1.0413e-02, 3.5831e-01],  
 [4.6766e+01, 4.5820e-01, 2.6908e+00],  
 [1.5310e-01, 2.6811e-05, 2.0296e-02],  
 [5.9476e+01, 3.5202e-01, 1.2402e+00],  
 [4.4948e-01, 2.1675e-04, 5.3841e-02],  
 [5.6787e+01, 3.6296e-01, 1.2867e+00],  
 [3.3784e+01, 4.3664e-01, 1.9107e+00],  
 [2.5671e+01, 2.0438e-01, 1.4889e+00],  
 [6.2443e+01, 1.6289e+00, 2.6386e+00],  
 [6.2952e-02, 2.0812e-07, 8.6201e-03],  
 [1.6680e+02, 6.5485e+00, 4.0850e+00],  
 [2.3262e-02, 3.3396e-07, 3.3211e-03],  
 [1.8781e+01, 3.4390e-02, 1.7760e+00],  
 [7.1910e-01, 9.9002e-04, 9.5829e-02],  
 [1.5884e+02, 1.5478e+00, 3.3434e+00],  
 [8.1535e-01, 8.3810e-05, 6.5252e-02],  
 [1.5768e+02, 2.3031e+00, 4.7433e+00],  
 [1.1694e+01, 7.6828e-02, 1.0668e+00],  
 [6.0821e-01, 2.6368e-05, 4.3893e-02],  
 [1.0027e-02, 9.0395e-09, 1.5824e-03],  
 [2.3557e+01, 1.5945e-02, 1.1278e+00],  
 [2.1852e-01, 9.7449e-06, 2.6896e-02],  
 [1.8952e+02, 7.2213e+00, 3.9805e+00],  
 [1.8854e+01, 2.3048e-02, 6.5485e-01],  
 [1.2393e+00, 1.3660e-04, 9.0940e-02],  
 [7.4636e-02, 4.0048e-07, 1.0268e-02],  
 [2.1513e-03, 4.5428e-09, 3.4318e-04],  
 [4.3737e+01, 4.0622e-01, 2.0807e+00],  
 [2.2390e+02, 3.5359e+00, 4.5743e+00],  
 [4.1054e+01, 8.7614e-01, 2.6955e+00],  
 [1.2563e-01, 1.1431e-05, 1.4002e-02],

[4.6506e-01, 2.7076e-05, 5.0150e-02],  
[1.0827e-03, 1.0163e-09, 1.7478e-04],  
[8.5224e-01, 1.6028e-04, 8.6366e-02],  
[9.3560e+01, 2.0239e+00, 2.3036e+00],  
[1.0416e-02, 5.6963e-08, 1.6315e-03],  
[1.4635e+01, 3.1076e-02, 7.1879e-01],  
[2.0396e+00, 1.4195e-03, 2.1144e-01],  
[1.2565e-01, 1.7463e-06, 1.5244e-02],  
[4.2089e-02, 1.2679e-07, 5.8229e-03],  
[3.1472e+00, 1.5793e-03, 2.5610e-01],  
[8.5932e+00, 1.5007e-02, 4.1106e-01],  
[1.9075e+02, 4.0843e-01, 4.4229e+00],  
[2.7413e+01, 1.5831e-01, 1.0248e+00],  
[1.3350e+02, 7.1153e-01, 3.7421e+00],  
[1.2683e+02, 2.4546e+00, 3.9351e+00],  
[5.2363e-01, 2.4942e-05, 3.5845e-02],  
[2.7155e-01, 1.4209e-05, 3.0204e-02],  
[2.8928e+00, 1.4857e-03, 1.5580e-01],  
[4.1454e+00, 3.0493e-03, 5.0679e-01],  
[1.2055e-01, 3.0861e-06, 1.5037e-02],  
[5.5153e+01, 5.5473e-01, 1.8288e+00],  
[6.6081e+01, 4.7333e-01, 1.8275e+00],  
[6.8236e+00, 9.4243e-04, 2.8882e-01],  
[3.1388e+00, 1.2615e-02, 3.3124e-01],  
[5.6562e+01, 2.4919e-01, 2.6708e+00],  
[1.3942e+02, 2.5309e-01, 3.8087e+00],  
[1.5069e+01, 2.2839e-02, 1.1358e+00],  
[6.8129e+00, 5.5575e-03, 6.8108e-01],  
[6.2764e+01, 3.8839e-01, 1.2228e+00],  
[1.9152e+02, 1.0337e+00, 4.3035e+00],  
[2.9549e+01, 2.0403e-01, 2.2181e+00],  
[1.8350e-01, 1.1987e-05, 2.6717e-02],  
[3.6763e-02, 1.3399e-06, 4.9999e-03],  
[1.7778e+00, 1.3958e-03, 1.4913e-01],  
[1.1786e-01, 4.5955e-06, 1.3259e-02],  
[2.1080e+02, 1.1339e+00, 4.1254e+00],  
[5.6549e+00, 7.0445e-03, 5.4455e-01],  
[5.5160e+01, 4.8180e-01, 2.7973e+00],  
[1.3830e+00, 1.6930e-03, 1.3513e-01],  
[1.3290e-02, 2.7801e-08, 2.0932e-03],  
[1.2179e-01, 8.2029e-06, 1.4330e-02],  
[3.0938e+01, 3.5346e-02, 8.5516e-01],  
[5.8265e+01, 4.3910e-01, 2.2081e+00],  
[1.8155e+00, 5.3190e-05, 1.6269e-01],  
[1.9883e+00, 1.4068e-03, 1.8135e-01],  
[1.0225e+01, 5.5777e-03, 8.6744e-01],  
[2.4069e+00, 1.1028e-03, 1.3039e-01],  
[1.0725e+01, 2.4501e-02, 6.2800e-01],

[1.6485e+00, 8.9975e-04, 1.3163e-01],  
 [1.8718e-01, 6.8306e-06, 2.1641e-02],  
 [7.2729e+00, 1.8309e-03, 5.2358e-01],  
 [5.5055e+00, 8.3571e-03, 3.8081e-01],  
 [7.9197e+01, 5.7582e-01, 1.4241e+00],  
 [6.6329e+01, 6.6728e-01, 1.9574e+00],  
 [5.7084e+00, 1.2044e-02, 3.0880e-01],  
 [4.9066e-01, 3.1939e-05, 5.0322e-02],  
 [2.3910e+01, 1.0441e-01, 8.9038e-01],  
 [5.5128e-01, 2.4118e-05, 4.4853e-02],  
 [1.9991e+01, 1.5804e-02, 1.1961e+00],  
 [1.6039e+00, 4.1808e-04, 2.2497e-01],  
 [1.0864e+00, 1.6131e-04, 8.7540e-02],  
 [1.2185e+02, 5.5542e-01, 2.8358e+00],  
 [2.8664e+01, 1.4683e-01, 1.4013e+00],  
 [1.3507e+01, 5.2440e-02, 1.0693e+00],  
 [9.5726e+00, 1.7859e-02, 4.4768e-01],  
 [7.1694e+01, 1.0589e+00, 1.5897e+00],  
 [6.6017e+01, 4.7489e-01, 1.3889e+00],  
 [2.0341e-01, 4.6665e-05, 2.8374e-02],  
 [3.6578e+00, 1.0295e-02, 3.5106e-01],  
 [8.9802e+01, 1.2936e+00, 3.6261e+00],  
 [6.4196e+00, 7.4849e-03, 3.2382e-01],  
 [4.9692e+00, 2.8659e-03, 4.3277e-01],  
 [1.1422e+01, 3.8805e-02, 5.0686e-01],  
 [1.8891e+01, 7.0874e-02, 7.6639e-01],  
 [7.6366e-02, 1.7869e-06, 9.4035e-03],  
 [1.0848e+02, 3.0141e+00, 4.2037e+00],  
 [5.2596e+01, 8.1277e-01, 2.1630e+00],  
 [5.8154e+01, 5.7073e-01, 2.3913e+00],  
 [5.0096e+00, 3.8189e-03, 3.4867e-01],  
 [3.0899e-02, 1.5919e-07, 4.4151e-03],  
 [2.4072e+02, 1.0597e+00, 4.1494e+00],  
 [1.4640e+00, 1.1803e-04, 8.6025e-02],  
 [6.3171e+00, 1.0332e-03, 5.0063e-01],  
 [4.7107e+01, 3.2178e-01, 1.2452e+00],  
 [5.1551e-02, 7.4804e-07, 6.7618e-03],  
 [1.8717e+00, 2.4265e-03, 1.7663e-01],  
 [1.0341e+01, 2.4329e-02, 1.0110e+00],  
 [7.6664e-01, 2.6227e-04, 6.1274e-02],  
 [9.0241e+00, 1.4498e-02, 8.0135e-01],  
 [4.6153e+00, 4.3272e-03, 2.8390e-01],  
 [6.7240e+01, 4.2181e-01, 2.2004e+00],  
 [1.6732e+01, 5.7115e-02, 8.6902e-01],  
 [8.5506e+00, 1.1040e-02, 5.0253e-01],  
 [2.1131e-03, 4.8152e-09, 3.4084e-04],  
 [4.5572e+00, 2.1964e-03, 3.9887e-01],  
 [6.1412e+01, 5.9082e-01, 1.4928e+00],

[1.4706e+02, 2.1984e+00, 3.0493e+00],  
 [3.0289e+00, 2.3250e-03, 1.6409e-01],  
 [1.5366e+01, 4.1351e-02, 5.5805e-01],  
 [7.7673e+01, 1.3077e+00, 3.2172e+00],  
 [2.5073e-01, 2.4686e-05, 3.7238e-02],  
 [2.5437e+01, 2.8939e-01, 1.5518e+00],  
 [4.9254e+01, 5.7591e-01, 2.6960e+00],  
 [6.0178e+01, 2.7773e-01, 2.2866e+00],  
 [7.9982e+01, 2.0283e-01, 3.7655e+00],  
 [4.8628e+00, 3.4355e-02, 5.7743e-01],  
 [1.0779e-02, 4.1165e-08, 1.6358e-03],  
 [1.2214e+02, 9.0589e-01, 3.4047e+00],  
 [2.2521e+00, 1.0296e-03, 1.7365e-01],  
 [3.4508e+00, 7.3342e-04, 2.9509e-01],  
 [5.8529e+01, 4.3185e-01, 2.6527e+00],  
 [2.4109e+00, 1.3846e-03, 1.5459e-01],  
 [2.3745e+00, 6.1477e-04, 1.2570e-01],  
 [1.9674e+02, 3.0307e-01, 3.1831e+00],  
 [2.9269e+01, 8.5901e-02, 1.0682e+00],  
 [7.9471e-02, 7.6458e-07, 1.0965e-02],  
 [8.6342e-02, 4.0976e-06, 1.0145e-02],  
 [1.3862e+01, 6.0007e-02, 7.8683e-01],  
 [8.7034e+00, 1.6864e-02, 4.8148e-01],  
 [1.0644e+00, 3.4163e-04, 8.4546e-02],  
 [4.8656e-02, 3.6515e-07, 6.5919e-03],  
 [1.2585e+02, 2.0840e+00, 3.0452e+00],  
 [1.0879e-01, 7.0766e-06, 1.4497e-02],  
 [2.2871e-01, 3.6467e-05, 2.7702e-02],  
 [2.8532e-03, 2.8910e-09, 4.5462e-04],  
 [1.4781e+01, 1.8795e-02, 6.6193e-01],  
 [7.8627e-02, 6.2294e-07, 1.1402e-02],  
 [4.5970e-02, 1.8339e-07, 6.9636e-03],  
 [1.3420e-01, 1.6273e-05, 1.6680e-02],  
 [1.7524e+00, 2.5529e-03, 1.9388e-01],  
 [8.0735e+01, 4.9121e-01, 3.8353e+00],  
 [9.8098e+00, 6.7022e-03, 5.0870e-01],  
 [2.3854e+01, 1.3816e-02, 1.2993e+00],  
 [2.0097e-02, 8.8512e-08, 2.8957e-03],  
 [3.2497e+00, 2.4616e-03, 2.4213e-01],  
 [1.3955e-01, 2.8245e-06, 1.5544e-02],  
 [2.2577e+02, 8.8907e+00, 4.7162e+00],  
 [7.6171e+00, 4.0929e-03, 3.2437e-01],  
 [7.5459e+01, 4.8502e-01, 1.8318e+00],  
 [1.2146e+02, 3.1895e+00, 4.1542e+00],  
 [1.3173e+02, 3.8656e+00, 3.7386e+00],  
 [2.1457e+01, 7.4583e-02, 8.5240e-01],  
 [4.9681e+01, 1.4601e-01, 1.3889e+00],  
 [1.0687e+00, 4.8863e-05, 9.7135e-02],

[5.9464e+01, 4.0237e-01, 1.6389e+00],  
 [3.0864e-01, 6.0098e-05, 3.1553e-02],  
 [3.0805e+00, 1.9280e-03, 2.4409e-01],  
 [7.2340e+01, 2.4106e-01, 2.6942e+00],  
 [2.0787e+01, 6.5737e-02, 1.0291e+00],  
 [9.4282e+01, 1.1424e+00, 4.1853e+00],  
 [7.4161e-01, 2.5246e-04, 5.9328e-02],  
 [4.1692e+00, 5.7603e-03, 2.5511e-01],  
 [1.6425e+00, 5.2813e-03, 2.0059e-01],  
 [2.5464e-02, 1.1680e-07, 3.6071e-03],  
 [2.0552e+01, 3.5792e-02, 1.6675e+00],  
 [1.8307e-01, 1.3229e-05, 2.0822e-02],  
 [8.3172e-03, 5.5844e-08, 1.2717e-03],  
 [4.0512e+01, 8.1420e-02, 1.3131e+00],  
 [1.2523e+01, 3.3051e-02, 5.5770e-01],  
 [5.0105e+01, 1.6137e-01, 1.3225e+00],  
 [4.4378e+01, 4.6554e-01, 1.4705e+00],  
 [4.1437e+01, 7.6544e-02, 2.1710e+00],  
 [2.3856e+01, 1.5151e-01, 1.1269e+00],  
 [3.7992e+01, 6.8974e-02, 2.3471e+00],  
 [4.9241e+01, 3.9388e-01, 1.2844e+00],  
 [3.3663e+01, 1.2645e-01, 1.3104e+00],  
 [2.4415e+01, 2.2171e-01, 9.8036e-01],  
 [1.3581e+00, 3.0265e-04, 1.1133e-01],  
 [2.3999e+00, 1.1905e-03, 2.0619e-01],  
 [6.4593e-01, 3.7839e-04, 8.1409e-02],  
 [1.5010e+02, 4.8197e+00, 4.7117e+00],  
 [7.8107e+00, 1.3628e-02, 7.0726e-01],  
 [8.0947e+00, 1.7402e-03, 6.0885e-01],  
 [9.0942e+01, 1.2059e+00, 2.9033e+00],  
 [1.0931e+01, 8.8939e-03, 6.5070e-01],  
 [9.7093e+01, 1.1205e+00, 2.4588e+00],  
 [1.5793e+02, 2.5139e+00, 2.9035e+00],  
 [7.4957e-02, 3.2123e-06, 9.2466e-03],  
 [2.6055e+00, 1.3444e-03, 1.8901e-01],  
 [4.3313e-01, 1.2652e-04, 5.7177e-02],  
 [1.5127e+02, 3.7745e+00, 4.1489e+00],  
 [3.1356e+01, 2.1381e-01, 9.1227e-01],  
 [4.3151e+00, 3.6782e-03, 4.4648e-01],  
 [3.5882e+00, 3.1740e-03, 2.5071e-01],  
 [5.3488e-01, 1.5116e-05, 4.4881e-02],  
 [1.5057e+00, 5.3320e-04, 1.6368e-01],  
 [9.2312e-01, 1.9076e-04, 6.7140e-02],  
 [2.3486e-01, 1.8471e-05, 2.1868e-02],  
 [1.1256e+02, 5.9219e-02, 2.8233e+00],  
 [2.3200e+01, 4.9248e-02, 8.4339e-01],  
 [4.5537e+00, 3.0060e-03, 4.5911e-01],  
 [2.0497e+00, 1.5486e-03, 2.4555e-01],

```

[2.6088e+00, 1.7900e-04, 1.4192e-01],
[6.8302e+00, 7.3088e-03, 5.7907e-01],
[3.6978e-01, 3.1107e-05, 3.8059e-02],
[6.8648e-01, 8.1923e-05, 5.4974e-02],
[8.6796e+01, 1.6347e-01, 2.1707e+00],
[3.5982e+01, 2.4299e-01, 1.3338e+00],
[3.4792e-01, 1.6951e-04, 4.7095e-02],
[1.6586e+01, 5.5621e-03, 5.4370e-01],
[1.1170e-02, 1.6120e-08, 1.7001e-03],
[8.6835e-02, 1.0729e-06, 1.1155e-02],
[1.1926e+02, 3.7619e+00, 4.4864e+00],
[1.1681e+00, 4.6879e-04, 1.3192e-01],
[4.4273e+01, 1.8641e-01, 1.1924e+00],
[2.4317e-02, 5.5831e-08, 3.6187e-03],
[4.7702e-01, 5.0912e-05, 4.6746e-02],
[2.3196e+00, 1.9930e-03, 2.5541e-01],
[3.7307e-01, 2.5267e-05, 5.1228e-02],
[6.7639e-03, 2.1067e-08, 1.0496e-03],
[1.0729e+01, 7.0361e-03, 5.8004e-01],
[6.4489e+00, 1.1233e-02, 3.6288e-01],
[1.2115e+02, 4.1523e+00, 3.5784e+00],
[1.1602e+01, 4.8195e-02, 8.8605e-01],
[2.8246e+01, 7.6809e-02, 1.5666e+00],
[1.8155e+00, 4.4777e-04, 1.1327e-01],
[2.0590e+01, 5.6559e-02, 8.0782e-01],
[1.6050e+01, 1.4192e-01, 1.4890e+00],
[2.0677e+01, 9.6772e-02, 1.3949e+00],
[1.7727e+00, 6.2604e-04, 1.4640e-01],
[3.5387e-01, 4.9880e-05, 3.1139e-02],
[3.6632e-03, 4.2241e-09, 5.7440e-04],
[2.2806e+01, 1.0410e-02, 7.1075e-01],
[3.1082e+01, 1.9383e-01, 1.1655e+00],
[2.3669e-01, 2.3505e-05, 2.5381e-02],
[1.7554e+00, 1.8666e-03, 1.7619e-01],
[2.3310e+01, 1.2314e-02, 2.0153e+00],
[4.1903e+01, 1.2090e-01, 1.8627e+00],
[3.1561e+02, 1.0911e+01, 4.5084e+00],
[2.4522e+01, 5.8519e-02, 1.2611e+00],
[3.2616e-02, 2.2736e-07, 4.8166e-03],
[1.2880e+01, 3.4799e-02, 5.4718e-01],
[1.7095e-01, 1.6324e-05, 1.8803e-02],
[2.1981e+01, 1.2148e-01, 1.7052e+00],
[3.9478e+01, 7.0097e-01, 2.8218e+00],
[3.0289e+01, 2.8981e-01, 1.9682e+00]], dtype=torch.float64)

```

Iteration: 130

```

Inputs: tensor([[3.1360e+19, 2.1462e+01, 1.9507e+01, 4.8851e+00],
                [3.0403e+18, 3.8607e+02, 1.5302e+01, 1.5631e+00],
                [2.3684e+18, 4.5010e+02, 1.2091e+01, 8.2569e+00],

```



```

...,
[2.0096e+18, 4.2654e+02, 3.0105e+00, 4.6455e+00],
[6.0216e+19, 1.4184e+02, 1.3441e+01, 3.9051e+00],
[8.5971e+18, 2.4146e+02, 1.7526e+01, 6.6662e+00]], dtype=torch.float64)
Target: tensor([[6.6755e-02, 5.3468e-06, 1.0308e-02],
[7.7963e-02, 8.2459e-07, 1.0667e-02],
[7.7421e-01, 1.9084e-04, 5.9753e-02],
[2.7581e+00, 5.5422e-05, 1.4901e-01],
[3.4531e-01, 8.8655e-06, 4.4614e-02],
[3.3150e-01, 2.8254e-05, 4.1426e-02],
[1.0113e+00, 1.2873e-04, 7.0270e-02],
[2.8067e+01, 1.6819e-02, 1.4422e+00],
[1.9683e-03, 1.0519e-09, 3.1768e-04],
[1.5475e+01, 7.9465e-02, 7.9540e-01],
[1.7010e+01, 5.6456e-02, 1.2597e+00],
[1.5452e+02, 1.7659e+00, 4.7043e+00],
[1.9832e-03, 6.3120e-09, 3.1619e-04],
[8.5853e+00, 1.1134e-02, 9.6029e-01],
[1.6510e+02, 2.8625e+00, 3.8382e+00],
[4.6054e+01, 4.9153e-01, 1.2606e+00],
[7.1479e+01, 3.8151e-01, 2.6408e+00],
[4.0135e+01, 2.3555e-01, 1.4402e+00],
[8.3845e+01, 2.3466e-01, 3.3164e+00],
[5.1250e+00, 2.1318e-03, 6.3905e-01],
[6.3675e-01, 8.9916e-05, 6.2629e-02],
[3.9311e+01, 5.0341e-02, 2.4568e+00],
[1.9316e+02, 5.7673e+00, 3.7077e+00],
[1.8355e-01, 2.1581e-05, 2.0698e-02],
[3.0121e+01, 2.0780e-01, 1.4914e+00],
[2.4583e-01, 3.5766e-05, 2.6708e-02],
[7.5436e+00, 3.6430e-02, 5.5034e-01],
[3.6387e+01, 4.3416e-01, 1.5546e+00],
[9.1693e+01, 8.8261e-01, 1.9140e+00],
[1.0337e+00, 1.7874e-04, 1.2840e-01],
[1.8348e-02, 2.2225e-08, 2.7684e-03],
[2.8043e+01, 1.1545e-01, 1.1101e+00],
[1.5293e+01, 4.4754e-02, 7.1108e-01],
[3.1723e+00, 1.0214e-03, 2.2941e-01],
[6.5555e+00, 2.2528e-03, 2.6499e-01],
[6.2634e-01, 2.1407e-04, 8.2250e-02],
[1.4019e+02, 8.3041e-01, 2.6500e+00],
[2.7937e-01, 2.5748e-05, 2.6416e-02],
[2.3640e-03, 4.4776e-10, 3.7444e-04],
[2.0864e+00, 1.2495e-04, 1.2204e-01],
[1.7332e-01, 6.8393e-06, 2.0958e-02],
[7.5259e+01, 4.6135e-01, 3.6113e+00],
[7.7621e+01, 7.3684e-01, 1.7070e+00],
[7.5058e-03, 6.2195e-08, 1.1834e-03],

```

[5.8338e-01, 5.5102e-05, 7.4320e-02],  
 [2.1518e-02, 2.1346e-07, 3.0775e-03],  
 [7.0322e-01, 6.3979e-05, 8.3805e-02],  
 [1.0829e+02, 1.1911e+00, 3.4347e+00],  
 [6.6026e+01, 5.4164e-01, 2.4727e+00],  
 [2.0660e+01, 7.1614e-02, 7.0672e-01],  
 [5.2417e-02, 2.1712e-07, 7.5152e-03],  
 [5.8140e+01, 1.6521e+00, 3.1095e+00],  
 [6.6111e+01, 4.1575e-01, 2.5136e+00],  
 [3.5400e-01, 3.3700e-05, 2.9444e-02],  
 [1.2640e+00, 2.3787e-04, 1.2400e-01],  
 [7.1370e+00, 1.0589e-02, 4.1283e-01],  
 [1.6141e+00, 1.2128e-03, 1.1163e-01],  
 [1.8257e+00, 1.7429e-04, 9.0264e-02],  
 [4.8319e+01, 9.7993e-02, 2.4307e+00],  
 [5.9698e+00, 8.2366e-03, 7.4100e-01],  
 [1.0132e+01, 1.1647e-02, 9.8685e-01],  
 [3.3514e-01, 5.4320e-05, 3.5603e-02],  
 [1.6731e+01, 2.2812e-02, 1.2400e+00],  
 [8.8440e+00, 3.0592e-02, 5.0437e-01],  
 [7.7267e+01, 1.2517e+00, 2.5156e+00],  
 [4.5758e-01, 9.1891e-05, 4.0846e-02],  
 [4.6783e+01, 2.4281e-01, 1.8137e+00],  
 [5.6002e+01, 1.3101e+00, 3.0791e+00],  
 [1.3504e+00, 9.4830e-05, 1.0919e-01],  
 [1.3287e+00, 4.6018e-04, 1.1121e-01],  
 [2.2046e+01, 5.9724e-02, 9.0353e-01],  
 [2.1391e-01, 1.2161e-05, 2.3785e-02],  
 [3.3790e+01, 2.0108e-01, 9.4006e-01],  
 [8.3441e-03, 1.0798e-08, 1.3244e-03],  
 [1.2159e+02, 1.2152e+00, 4.4094e+00],  
 [6.3912e+01, 7.9444e-01, 3.1235e+00],  
 [5.9829e-03, 6.2666e-09, 9.4576e-04],  
 [7.5178e+01, 2.0905e-01, 1.5827e+00],  
 [8.6736e+01, 5.2092e-01, 3.3469e+00],  
 [7.7371e+01, 8.0378e-01, 3.0065e+00],  
 [3.1770e-01, 1.4885e-05, 3.7030e-02],  
 [1.4176e+01, 1.8322e-02, 1.0889e+00],  
 [3.1635e+01, 4.9192e-02, 1.6892e+00],  
 [5.1097e+01, 5.0435e-02, 1.6473e+00],  
 [7.3381e-02, 2.3100e-06, 1.1315e-02],  
 [4.1885e-01, 6.6128e-06, 3.5426e-02],  
 [3.9458e+00, 2.2011e-03, 2.5336e-01],  
 [3.7173e-01, 2.0065e-05, 4.3148e-02],  
 [4.7804e+00, 6.9995e-03, 2.5608e-01],  
 [1.3369e+00, 4.0899e-04, 1.4790e-01],  
 [9.2160e-01, 1.9983e-04, 9.9941e-02],  
 [4.9696e+01, 2.7246e-01, 2.0903e+00],

[4.0040e-01, 9.8982e-05, 4.8917e-02],  
 [6.3091e-01, 5.4390e-05, 6.5106e-02],  
 [1.2125e+01, 2.6915e-02, 8.8611e-01],  
 [6.3147e+00, 2.5651e-03, 4.3317e-01],  
 [1.6567e-01, 1.0989e-06, 1.7500e-02],  
 [6.8767e+01, 4.4732e-01, 2.7925e+00],  
 [3.2392e-01, 8.0248e-05, 3.9616e-02],  
 [3.6798e+01, 1.6006e-01, 1.3293e+00],  
 [7.7445e-02, 9.9271e-06, 1.1005e-02],  
 [8.7044e-01, 5.5144e-04, 8.3284e-02],  
 [8.0363e+00, 7.8968e-03, 2.7985e-01],  
 [4.0848e-01, 1.1674e-04, 3.8941e-02],  
 [1.1340e+01, 3.4124e-02, 8.3798e-01],  
 [1.3956e+01, 2.6270e-02, 7.7779e-01],  
 [7.1403e+01, 4.7711e-01, 1.4863e+00],  
 [3.4973e+01, 1.8206e-01, 1.2671e+00],  
 [1.4669e+01, 2.0477e-02, 7.5217e-01],  
 [7.1033e+00, 4.6336e-03, 8.1903e-01],  
 [1.0271e+00, 6.3993e-05, 1.1242e-01],  
 [1.6889e+00, 2.6730e-04, 1.2534e-01],  
 [4.1009e-01, 1.1030e-04, 3.7568e-02],  
 [2.2330e-01, 7.0052e-06, 2.8521e-02],  
 [1.7235e+00, 1.0654e-04, 1.5101e-01],  
 [7.9035e+01, 1.1440e+00, 1.9919e+00],  
 [1.2962e-01, 2.6386e-06, 1.4557e-02],  
 [2.1140e+01, 7.7776e-02, 9.2919e-01],  
 [9.8375e-02, 9.3250e-06, 1.3356e-02],  
 [1.2093e-02, 2.2149e-07, 1.8493e-03],  
 [3.2691e-01, 5.5720e-05, 3.8966e-02],  
 [1.3724e+02, 2.3634e+00, 3.9825e+00],  
 [5.0214e-01, 4.5485e-05, 6.4230e-02],  
 [4.0378e+01, 4.8372e-01, 2.0909e+00],  
 [4.3021e-02, 1.0110e-06, 5.7573e-03],  
 [1.8199e-01, 1.9187e-05, 2.3144e-02],  
 [8.2471e-03, 6.0030e-08, 1.2637e-03],  
 [5.7218e-01, 7.0993e-05, 5.0454e-02],  
 [3.8976e-02, 1.5374e-06, 5.4961e-03],  
 [1.9520e+00, 3.0663e-04, 1.0873e-01],  
 [9.5964e-02, 3.3105e-06, 1.3374e-02],  
 [1.3175e+00, 3.9203e-04, 1.0180e-01],  
 [3.1584e-01, 1.0353e-05, 3.3137e-02],  
 [7.5653e+01, 1.8189e-01, 3.1127e+00],  
 [3.4502e+00, 3.6905e-03, 3.3091e-01],  
 [2.6512e+00, 1.1445e-03, 1.9164e-01],  
 [3.1499e+01, 1.2841e-01, 1.9491e+00],  
 [2.3317e+02, 5.9665e+00, 4.7266e+00],  
 [6.2288e-01, 1.9136e-04, 5.9876e-02],  
 [1.2330e+00, 1.9431e-04, 8.1329e-02],

[9.8356e+00, 1.4994e-02, 4.7751e-01],  
 [1.0491e+01, 7.1873e-03, 5.6925e-01],  
 [3.0688e+02, 3.5978e+00, 4.5394e+00],  
 [4.6847e+00, 7.2998e-04, 3.3790e-01],  
 [3.9564e+00, 3.2368e-03, 2.3751e-01],  
 [5.4917e+00, 9.8294e-03, 4.1111e-01],  
 [4.2163e+01, 3.1031e-01, 2.6089e+00],  
 [3.0740e+01, 6.7199e-02, 1.4763e+00],  
 [1.8678e+01, 1.1731e-02, 7.6194e-01],  
 [6.8414e-03, 4.4943e-08, 1.0641e-03],  
 [8.6380e-01, 1.7796e-04, 1.1484e-01],  
 [7.1329e+00, 6.7253e-03, 3.9138e-01],  
 [7.7609e+01, 9.6277e-02, 3.2287e+00],  
 [3.9575e-02, 5.9775e-07, 5.8842e-03],  
 [2.5204e+01, 1.0325e-01, 9.3519e-01],  
 [2.7375e+02, 4.3570e+00, 4.7381e+00],  
 [5.2032e-02, 3.7203e-07, 7.4278e-03],  
 [7.3243e+01, 6.3161e-01, 2.6630e+00],  
 [1.1143e+01, 1.7190e-02, 5.5966e-01],  
 [5.2377e-01, 4.6020e-05, 6.9819e-02],  
 [1.2332e+00, 5.3351e-04, 1.3268e-01],  
 [2.7162e+01, 1.0452e-01, 9.5520e-01],  
 [9.1918e+01, 5.6248e-01, 2.7154e+00],  
 [1.0461e+01, 4.5031e-02, 5.7919e-01],  
 [1.3239e+01, 5.1274e-02, 6.8766e-01],  
 [8.1911e+01, 3.9864e-01, 1.6119e+00],  
 [6.3992e-01, 1.7532e-04, 6.4441e-02],  
 [2.9672e-01, 9.8550e-06, 2.9078e-02],  
 [5.7828e+01, 1.3411e+00, 2.3921e+00],  
 [5.9659e+01, 3.9938e-01, 1.4324e+00],  
 [2.2159e+01, 2.3089e-01, 1.9969e+00],  
 [6.4277e-01, 1.5624e-05, 4.8341e-02],  
 [3.1620e-02, 1.3479e-07, 4.4233e-03],  
 [3.1987e+01, 1.4469e-01, 1.1665e+00],  
 [7.4214e-01, 1.8068e-05, 7.8651e-02],  
 [2.1335e-01, 1.4426e-06, 2.5906e-02],  
 [5.5874e-01, 2.4131e-05, 5.5802e-02],  
 [6.2543e-01, 3.8202e-05, 5.0310e-02],  
 [5.7637e+01, 1.9673e-01, 3.0049e+00],  
 [3.7405e-01, 7.6886e-05, 4.6440e-02],  
 [6.2076e+00, 4.2713e-03, 2.4689e-01],  
 [8.4769e+00, 1.4526e-02, 7.0963e-01],  
 [1.4099e+01, 1.3169e-02, 4.9610e-01],  
 [2.9555e+02, 3.9993e+00, 4.5328e+00],  
 [1.0286e+01, 3.4058e-02, 5.2454e-01],  
 [1.7039e-01, 1.4376e-05, 2.2099e-02],  
 [3.7735e+01, 3.3624e-01, 1.1715e+00],  
 [3.8627e-01, 1.1476e-04, 3.8100e-02],

[5.7014e+00, 1.1429e-02, 3.3005e-01],  
[7.9245e+00, 1.2810e-02, 4.3692e-01],  
[1.0299e+02, 8.4058e-01, 2.1857e+00],  
[4.2646e+01, 3.6715e-01, 2.1670e+00],  
[1.7617e+01, 7.3828e-03, 6.6342e-01],  
[7.0605e+00, 7.2863e-03, 4.2899e-01],  
[8.1757e+01, 1.4309e+00, 2.1251e+00],  
[8.7456e-01, 1.7558e-04, 7.2233e-02],  
[1.1803e+00, 7.2617e-05, 1.1207e-01],  
[1.7268e+02, 5.5230e+00, 4.4276e+00],  
[4.0588e+01, 1.6438e-01, 1.4082e+00],  
[1.1469e+00, 2.5762e-04, 1.2703e-01],  
[3.6912e+01, 1.8756e-01, 1.2435e+00],  
[4.0066e+00, 2.4188e-03, 2.3631e-01],  
[8.3048e+00, 1.5890e-02, 4.0519e-01],  
[8.5302e-01, 1.6749e-04, 6.8552e-02],  
[7.8963e+00, 3.1432e-03, 6.5186e-01],  
[1.3632e+00, 1.8212e-04, 1.3112e-01],  
[5.4395e+01, 4.2627e-01, 2.0772e+00],  
[5.2414e+01, 1.9370e-01, 1.2122e+00],  
[3.1684e+01, 1.0803e-01, 2.3747e+00],  
[1.5176e+01, 2.1264e-02, 4.6249e-01],  
[9.6296e-01, 4.8973e-04, 1.1468e-01],  
[1.9050e+00, 4.3901e-04, 2.2302e-01],  
[3.7513e+00, 3.3966e-03, 2.6459e-01],  
[4.8056e+01, 2.0547e-01, 2.7345e+00],  
[3.2093e+00, 1.4622e-03, 2.9450e-01],  
[8.4510e+01, 5.0114e-01, 2.1440e+00],  
[4.4220e+01, 3.0415e-01, 1.7997e+00],  
[1.4834e-02, 7.7817e-08, 2.2421e-03],  
[3.6312e-01, 1.9081e-05, 3.9347e-02],  
[7.4601e+00, 4.8443e-03, 6.8116e-01],  
[4.9344e-01, 5.8307e-05, 4.3740e-02],  
[2.0580e+01, 8.1244e-02, 1.1233e+00],  
[4.8550e-01, 4.2679e-05, 5.2754e-02],  
[4.4748e+00, 2.2118e-03, 2.6994e-01],  
[7.5867e+00, 4.9766e-03, 3.1564e-01],  
[3.4689e+01, 8.7330e-02, 1.1201e+00],  
[1.8554e+00, 9.3514e-04, 1.6819e-01],  
[4.3956e+01, 1.7160e-01, 1.1299e+00],  
[2.4442e+00, 1.3218e-03, 2.1736e-01],  
[4.7075e-04, 8.0426e-11, 7.6785e-05],  
[2.6504e+01, 2.7817e-01, 1.1324e+00],  
[9.5397e-02, 3.1762e-06, 1.1225e-02],  
[7.2624e-02, 3.3896e-06, 9.7835e-03],  
[3.9982e+01, 3.4698e-01, 1.1006e+00],  
[8.8643e-01, 2.4258e-04, 9.4102e-02],  
[1.3294e+02, 4.1127e-01, 4.4989e+00],

[1.4132e+01, 2.5815e-02, 1.0061e+00],  
 [3.9808e+01, 1.6413e-01, 1.2657e+00],  
 [9.0909e+01, 3.4201e+00, 4.0074e+00],  
 [3.2581e+01, 1.1705e-01, 7.6746e-01],  
 [1.9244e+00, 1.7094e-03, 1.5625e-01],  
 [1.6669e+00, 2.0624e-04, 1.3907e-01],  
 [2.7288e+00, 2.5136e-03, 2.1759e-01],  
 [3.4940e-02, 1.5913e-07, 4.7625e-03],  
 [3.8833e-01, 2.8615e-05, 3.4479e-02],  
 [5.1979e-02, 2.4597e-07, 7.7443e-03],  
 [4.5054e-02, 2.1185e-06, 6.8587e-03],  
 [5.4509e+00, 6.0777e-03, 2.8931e-01],  
 [9.1926e-03, 5.0338e-08, 1.4182e-03],  
 [2.9602e+01, 1.7417e-01, 1.1352e+00],  
 [3.9574e+01, 2.7332e-01, 1.1626e+00],  
 [3.4711e-01, 6.1945e-05, 3.1383e-02],  
 [5.5582e+00, 1.4079e-03, 4.6447e-01],  
 [9.0667e+00, 8.5154e-03, 6.0976e-01],  
 [2.4446e+00, 1.5582e-03, 1.5450e-01],  
 [9.8888e+01, 1.5704e+00, 2.7531e+00],  
 [4.6952e+01, 3.6177e-01, 2.8773e+00],  
 [4.9624e+01, 1.2625e+00, 2.9113e+00],  
 [4.9057e-01, 1.4089e-04, 6.0921e-02],  
 [4.0094e+01, 1.3304e-01, 1.9573e+00],  
 [1.1375e+00, 7.0708e-04, 1.2714e-01],  
 [1.6478e+01, 9.4060e-03, 6.2517e-01],  
 [9.6213e-01, 4.0346e-04, 1.3426e-01],  
 [1.6652e-02, 4.6730e-08, 2.4231e-03],  
 [1.7520e+02, 7.2042e+00, 4.1400e+00],  
 [8.6142e+01, 4.1054e-01, 2.7848e+00],  
 [2.5266e-01, 3.4782e-05, 3.1803e-02],  
 [7.1977e+00, 1.3625e-02, 4.2691e-01],  
 [6.8681e-01, 1.8346e-05, 5.4685e-02],  
 [1.7954e-01, 1.1767e-05, 2.6871e-02],  
 [1.0153e+02, 1.0389e+00, 3.5424e+00],  
 [6.7067e+00, 8.9221e-04, 3.2923e-01],  
 [1.3454e+00, 1.1341e-03, 1.4219e-01],  
 [5.6313e+01, 3.8000e-01, 2.0432e+00],  
 [2.8352e+01, 9.7608e-03, 1.5807e+00],  
 [1.1921e+02, 7.3430e-01, 3.3681e+00],  
 [1.8439e+01, 6.3078e-02, 1.6190e+00],  
 [4.0972e-01, 1.0222e-04, 5.1307e-02],  
 [8.3697e-04, 1.2382e-10, 1.3684e-04],  
 [3.8585e+01, 1.0093e-01, 8.0262e-01],  
 [1.0740e+00, 2.4472e-04, 1.0133e-01],  
 [6.2941e+01, 7.7448e-01, 2.8750e+00],  
 [1.0076e+02, 4.2876e-01, 1.6659e+00],  
 [2.3121e+00, 1.0948e-03, 1.5176e-01],

```

[4.9856e+01, 1.1458e-01, 1.8988e+00],
[9.4829e-02, 3.8315e-06, 1.1418e-02],
[3.0567e+00, 6.5238e-03, 3.9124e-01],
[5.9943e-01, 8.5172e-05, 6.5374e-02],
[1.0758e+02, 1.1675e+00, 3.1702e+00],
[1.3829e+00, 9.5663e-04, 1.4049e-01],
[6.7360e-03, 3.1815e-08, 1.0855e-03],
[1.7209e-01, 1.9358e-05, 2.3556e-02],
[7.0278e+01, 3.9239e-01, 2.1287e+00],
[6.3980e+00, 2.7308e-02, 7.6431e-01],
[1.4043e+02, 2.4487e+00, 4.1056e+00],
[2.6615e+01, 7.2756e-02, 1.0106e+00],
[6.4423e+00, 2.5568e-03, 2.5183e-01],
[1.6341e+00, 1.0544e-03, 1.1383e-01],
[3.7197e-01, 4.9048e-05, 4.2869e-02],
[1.4969e+01, 6.3055e-02, 1.3820e+00],
[1.0521e+01, 1.5790e-02, 7.7989e-01],
[1.1195e+01, 9.8558e-03, 4.6019e-01],
[1.3776e-02, 7.5845e-08, 2.0142e-03],
[2.6308e-02, 1.1686e-06, 4.1006e-03],
[3.1799e+01, 3.0879e-01, 1.7623e+00],
[3.6459e+00, 1.2178e-03, 2.1444e-01],
[6.4201e+01, 4.8119e-01, 1.6812e+00],
[1.4106e+02, 1.3385e+00, 2.7316e+00],
[5.8534e-03, 5.2238e-09, 9.1779e-04],
[6.4311e+01, 1.2598e-01, 2.7608e+00],
[1.4974e+02, 4.0805e+00, 4.4682e+00],
[6.8535e+01, 1.0320e+00, 2.5403e+00],
[1.3599e-01, 3.4983e-06, 1.7938e-02],
[8.9337e+01, 1.3478e+00, 1.9941e+00],
[4.3304e-02, 5.3511e-07, 5.6811e-03],
[2.5903e+01, 1.1839e-01, 2.1673e+00],
[1.0919e+02, 8.8222e-01, 3.1981e+00],
[9.3577e-01, 4.9289e-05, 6.1977e-02],
[6.8253e+00, 1.0493e-02, 5.4902e-01],
[1.2267e+00, 6.8418e-04, 1.1585e-01]], dtype=torch.float64)
Iteration: 131
Inputs: tensor([[4.0594e+20, 1.3495e+02, 1.9746e+01, 1.0780e+00],
               [2.0804e+19, 1.1133e+02, 6.2843e+00, 2.2421e+00],
               [4.4948e+18, 4.1225e+02, 1.9320e+01, 6.6143e+00],
               ...,
               [2.5683e+18, 1.2248e+02, 8.8422e+00, 3.9708e+00],
               [3.0694e+20, 3.5329e+02, 1.5966e+01, 6.0501e+00],
               [1.7207e+20, 3.5256e+02, 1.8599e+01, 5.0826e+00]], dtype=torch.float64)
Target: tensor([[3.3611e+00, 1.6208e-03, 4.2531e-01],
               [1.2664e+00, 1.3242e-04, 1.3950e-01],
               [9.2696e-01, 3.4550e-04, 8.1683e-02],
               [2.2640e+00, 1.3892e-04, 1.2009e-01],

```

[1.9076e-02, 2.9378e-08, 2.7858e-03],  
 [3.3519e+00, 6.4428e-03, 2.7986e-01],  
 [7.3835e-02, 2.2735e-06, 1.0298e-02],  
 [4.1770e-01, 2.7924e-06, 4.7515e-02],  
 [1.5846e+01, 5.4909e-02, 7.8149e-01],  
 [1.4819e+01, 3.8101e-02, 1.3712e+00],  
 [2.2254e-01, 1.3306e-06, 2.7069e-02],  
 [8.5079e+00, 5.0431e-03, 3.6984e-01],  
 [5.5127e+01, 3.0547e-01, 2.0442e+00],  
 [4.4823e+01, 3.2949e-01, 1.6967e+00],  
 [8.5402e+00, 2.1715e-03, 6.3317e-01],  
 [1.5093e+01, 1.8427e-02, 6.8311e-01],  
 [1.4847e+00, 9.4171e-04, 1.3163e-01],  
 [3.5198e+01, 3.5103e-01, 1.4063e+00],  
 [5.9930e+01, 5.7902e-01, 1.7363e+00],  
 [3.3948e-01, 1.2908e-05, 3.6117e-02],  
 [2.2842e+01, 1.1458e-01, 9.2712e-01],  
 [5.9913e-02, 3.4795e-06, 7.8326e-03],  
 [1.1217e+02, 2.3941e+00, 3.1190e+00],  
 [1.2491e+00, 1.0325e-04, 1.2529e-01],  
 [2.6198e+01, 1.5090e-01, 1.9844e+00],  
 [2.6615e+00, 7.8724e-04, 1.9117e-01],  
 [2.8498e+01, 7.4292e-02, 1.3118e+00],  
 [1.5194e-02, 6.9616e-08, 2.3207e-03],  
 [2.2502e-01, 1.9291e-05, 2.5799e-02],  
 [7.8977e-03, 8.8613e-09, 1.2138e-03],  
 [2.1814e-01, 3.7043e-05, 2.4468e-02],  
 [2.3245e+02, 5.1942e+00, 4.6119e+00],  
 [1.0796e+01, 4.7778e-03, 3.6649e-01],  
 [6.9882e+00, 1.4326e-02, 3.9830e-01],  
 [1.5358e-02, 1.9109e-07, 2.3457e-03],  
 [8.7389e-01, 3.1350e-04, 8.1608e-02],  
 [1.0147e+00, 8.7409e-05, 1.0682e-01],  
 [2.6559e-01, 7.5589e-05, 3.7113e-02],  
 [2.0535e+00, 2.0665e-03, 1.5855e-01],  
 [1.5909e+01, 7.4379e-02, 8.7956e-01],  
 [1.7544e+00, 1.6064e-03, 2.0708e-01],  
 [1.9408e+00, 4.5218e-04, 1.3341e-01],  
 [6.3595e+01, 4.8515e-01, 2.4555e+00],  
 [1.9918e+01, 7.2102e-03, 1.3358e+00],  
 [7.7014e+01, 8.9113e-01, 3.2952e+00],  
 [9.5968e-01, 6.5764e-04, 1.0133e-01],  
 [4.6796e-01, 1.1649e-04, 5.7385e-02],  
 [1.1764e+02, 8.8415e-01, 2.4729e+00],  
 [2.4064e+02, 2.3511e+00, 4.6863e+00],  
 [5.8132e-01, 2.4289e-05, 5.2038e-02],  
 [7.0876e+01, 1.4813e+00, 3.1744e+00],  
 [5.7683e-01, 1.7736e-04, 7.3501e-02],



[2.1464e+02, 4.2109e+00, 4.0621e+00],  
 [1.2380e-01, 9.0168e-06, 1.5533e-02],  
 [3.8262e+01, 8.3466e-02, 1.6583e+00],  
 [1.3783e-01, 1.1717e-05, 2.0084e-02],  
 [1.3220e+02, 3.6895e+00, 2.9523e+00],  
 [2.5914e+00, 1.9394e-03, 3.5230e-01],  
 [5.4519e+01, 1.7708e-01, 1.4421e+00],  
 [1.1819e+01, 2.2200e-02, 6.0730e-01],  
 [2.9180e+01, 1.3288e-01, 7.6990e-01],  
 [3.4639e+00, 7.6279e-04, 1.8952e-01],  
 [8.2350e-02, 5.2641e-06, 1.0910e-02],  
 [1.4502e+02, 5.8172e+00, 3.3198e+00],  
 [6.3828e-01, 2.9444e-04, 8.0251e-02],  
 [1.1778e+01, 3.9601e-02, 7.3858e-01],  
 [2.7003e+01, 4.2961e-02, 8.2249e-01],  
 [1.3393e-02, 1.4915e-07, 2.0655e-03],  
 [3.8712e+01, 3.2611e-02, 1.8316e+00],  
 [1.4767e+01, 8.6677e-03, 4.9746e-01],  
 [2.5293e+01, 9.6879e-02, 1.5827e+00],  
 [8.5333e+01, 3.1826e-01, 4.0423e+00],  
 [1.3797e+01, 5.4706e-03, 8.5073e-01],  
 [2.0803e+01, 1.6129e-01, 1.0031e+00],  
 [7.8192e+01, 6.6396e-02, 1.6390e+00],  
 [1.7240e+00, 1.0077e-03, 1.4608e-01],  
 [2.9183e-02, 1.6937e-07, 4.1706e-03],  
 [2.2614e+01, 4.0351e-02, 7.8514e-01],  
 [6.8022e-01, 1.4657e-04, 6.7573e-02],  
 [4.7171e+01, 1.2060e-01, 1.2588e+00],  
 [7.3458e+00, 3.8183e-02, 7.6293e-01],  
 [4.5464e+00, 3.8772e-03, 2.4927e-01],  
 [2.2228e+02, 2.9370e+00, 4.7197e+00],  
 [8.7486e+00, 6.3923e-03, 5.6425e-01],  
 [4.7806e+00, 1.3723e-03, 2.2844e-01],  
 [1.7538e+01, 1.1295e-02, 8.8749e-01],  
 [1.3404e+01, 1.9080e-02, 5.8246e-01],  
 [5.2748e+00, 3.5310e-03, 3.4631e-01],  
 [8.4146e-01, 1.0722e-04, 7.6162e-02],  
 [1.7960e+02, 2.3385e+00, 4.0709e+00],  
 [3.1315e-01, 1.4696e-05, 3.0519e-02],  
 [1.0992e+02, 3.2589e+00, 3.8890e+00],  
 [1.1327e+01, 1.0978e-02, 4.1747e-01],  
 [9.8699e+00, 4.7649e-02, 1.0778e+00],  
 [4.9626e+00, 4.5777e-03, 3.1436e-01],  
 [1.8714e-02, 1.5753e-07, 2.7308e-03],  
 [1.0819e+00, 4.0395e-04, 1.0544e-01],  
 [1.8997e+01, 2.3519e-01, 1.4186e+00],  
 [1.8052e+00, 3.5626e-04, 1.8812e-01],  
 [1.7269e+01, 5.1355e-02, 7.1757e-01],

[5.4540e+01, 9.6269e-02, 2.2302e+00],  
 [2.7862e-03, 1.2109e-09, 4.4402e-04],  
 [2.7924e-01, 7.8289e-06, 2.9773e-02],  
 [1.2360e+01, 2.7495e-02, 4.6980e-01],  
 [2.2899e+00, 1.6816e-04, 1.4468e-01],  
 [7.7931e-01, 6.3070e-05, 9.5408e-02],  
 [4.9483e+00, 3.0585e-03, 2.7356e-01],  
 [2.3941e+01, 2.0685e-01, 1.4148e+00],  
 [8.7359e+01, 1.5235e+00, 3.6309e+00],  
 [1.4580e+02, 4.3182e+00, 3.8330e+00],  
 [1.0530e+02, 1.5367e+00, 2.8099e+00],  
 [6.3184e-01, 8.9309e-05, 7.8878e-02],  
 [1.9479e+00, 2.7394e-04, 1.6671e-01],  
 [3.1209e+00, 6.4701e-03, 3.7391e-01],  
 [1.0554e+00, 7.7956e-04, 1.1015e-01],  
 [7.8254e+00, 1.0659e-02, 5.1712e-01],  
 [2.2335e-02, 5.5303e-07, 3.2581e-03],  
 [5.0133e+01, 7.0840e-02, 1.1577e+00],  
 [5.6076e+01, 3.8862e-01, 2.5077e+00],  
 [7.6798e-01, 5.2939e-04, 9.7751e-02],  
 [3.1300e+01, 6.4144e-02, 1.8017e+00],  
 [2.6630e+00, 4.6359e-03, 2.3814e-01],  
 [3.9423e-02, 1.7655e-06, 5.8277e-03],  
 [8.5683e+00, 1.2497e-02, 4.5354e-01],  
 [5.6614e+01, 1.6947e-01, 2.3307e+00],  
 [1.2165e+01, 3.7652e-03, 9.9274e-01],  
 [3.7029e-01, 1.7998e-05, 3.8351e-02],  
 [4.9628e-01, 3.6224e-05, 6.1110e-02],  
 [7.0400e+01, 9.6751e-01, 2.0488e+00],  
 [1.7321e+02, 1.0579e+00, 4.4397e+00],  
 [9.7016e+01, 1.8917e+00, 3.3853e+00],  
 [3.9624e+01, 4.7761e-01, 1.2652e+00],  
 [5.0403e+00, 2.9219e-03, 2.6693e-01],  
 [2.2504e+02, 2.2543e+00, 3.7953e+00],  
 [7.6206e+00, 1.4547e-03, 4.5220e-01],  
 [2.1827e-01, 2.6404e-05, 2.0840e-02],  
 [3.6233e+01, 1.5474e-01, 1.9845e+00],  
 [7.8813e+01, 4.7821e-01, 2.5938e+00],  
 [2.9664e+00, 1.3902e-03, 2.2897e-01],  
 [8.7915e+01, 4.8888e-01, 2.5298e+00],  
 [6.6000e-01, 6.8371e-05, 6.6864e-02],  
 [1.1615e+02, 1.0510e+00, 1.9494e+00],  
 [3.1402e+01, 2.7328e-01, 1.5329e+00],  
 [1.2923e+01, 6.2581e-02, 5.8169e-01],  
 [2.9475e+01, 2.3809e-01, 1.0449e+00],  
 [1.7305e+02, 4.7332e+00, 3.6758e+00],  
 [1.4913e+01, 9.0856e-03, 7.5311e-01],  
 [1.2974e+00, 4.5875e-04, 1.0694e-01],

[3.8982e-01, 2.6517e-05, 3.9545e-02],  
 [4.1659e+00, 5.4441e-03, 2.6296e-01],  
 [1.7085e+00, 6.1720e-04, 2.1942e-01],  
 [2.0291e-01, 1.2197e-05, 2.0565e-02],  
 [4.1666e+00, 5.1074e-03, 2.3302e-01],  
 [1.7196e+01, 1.1489e-02, 5.2456e-01],  
 [3.7401e+01, 5.0189e-01, 2.1860e+00],  
 [6.8845e-01, 5.9724e-05, 7.7317e-02],  
 [2.1579e+02, 1.0706e+01, 4.7518e+00],  
 [7.3978e+01, 1.2877e+00, 3.2820e+00],  
 [1.0191e+02, 3.5538e+00, 3.7216e+00],  
 [4.5000e+00, 5.8855e-03, 2.6673e-01],  
 [7.8311e+00, 2.1182e-03, 4.5558e-01],  
 [1.5145e+00, 1.1779e-03, 1.1038e-01],  
 [7.2905e-01, 1.2460e-04, 8.6997e-02],  
 [1.1270e-01, 1.7203e-06, 1.5336e-02],  
 [7.8779e-01, 4.4634e-05, 5.6867e-02],  
 [1.6040e+02, 5.7945e-01, 3.8332e+00],  
 [2.6061e+01, 1.5902e-01, 9.1819e-01],  
 [2.2313e+00, 4.8074e-04, 1.4448e-01],  
 [1.2176e+00, 1.1913e-04, 1.1327e-01],  
 [9.2935e-02, 4.1990e-06, 1.2447e-02],  
 [4.7671e+00, 8.9683e-04, 2.5590e-01],  
 [4.5660e+00, 4.8049e-03, 2.1727e-01],  
 [5.2124e-01, 6.5006e-05, 5.8844e-02],  
 [4.4622e-01, 1.3393e-04, 4.5770e-02],  
 [6.1762e-01, 7.5964e-05, 5.2662e-02],  
 [8.7732e-01, 1.6890e-05, 8.3020e-02],  
 [2.5600e-03, 4.7501e-10, 4.1157e-04],  
 [1.2446e+01, 4.6244e-02, 4.8837e-01],  
 [1.4761e+02, 1.5119e+00, 3.0806e+00],  
 [4.1459e+00, 3.6345e-03, 4.2034e-01],  
 [8.7626e+00, 2.0738e-02, 4.1075e-01],  
 [3.7772e-01, 1.8454e-05, 4.1591e-02],  
 [1.2802e+02, 2.2985e+00, 3.3364e+00],  
 [1.4404e+02, 1.8606e-01, 2.7370e+00],  
 [9.9687e+01, 2.7055e+00, 3.2209e+00],  
 [3.5299e+00, 2.3387e-03, 3.6767e-01],  
 [1.7088e+02, 4.4192e+00, 4.6322e+00],  
 [5.3597e-03, 8.6525e-09, 8.2441e-04],  
 [8.6175e+00, 3.3582e-02, 5.1805e-01],  
 [1.1506e+02, 1.7454e-01, 4.2233e+00],  
 [8.3683e+01, 6.8416e-01, 3.4961e+00],  
 [7.4049e+01, 6.8394e-01, 3.1921e+00],  
 [1.4862e+02, 2.9859e+00, 4.6418e+00],  
 [9.6261e-01, 3.9369e-05, 7.5562e-02],  
 [2.1015e+00, 1.4405e-03, 1.8545e-01],  
 [1.8908e+01, 4.5359e-02, 9.4547e-01],

[1.2976e+00, 5.3133e-04, 1.2699e-01],  
 [2.1256e+01, 8.8323e-02, 8.6384e-01],  
 [1.1271e-01, 7.2938e-06, 1.4671e-02],  
 [7.7289e-01, 2.7802e-04, 1.0679e-01],  
 [6.5230e+01, 8.8326e-01, 1.9038e+00],  
 [4.1359e+01, 3.8276e-01, 2.2633e+00],  
 [7.6885e-01, 2.7979e-04, 6.8051e-02],  
 [5.9063e-01, 4.7173e-05, 7.0024e-02],  
 [2.2161e-01, 1.0616e-05, 2.5838e-02],  
 [2.3038e-02, 6.5701e-08, 3.4315e-03],  
 [2.7775e-01, 1.3253e-05, 3.1626e-02],  
 [1.2817e+02, 1.5388e+00, 4.1030e+00],  
 [5.6244e-01, 7.5782e-05, 5.1745e-02],  
 [3.5091e+00, 1.1169e-04, 1.8234e-01],  
 [1.9016e+01, 3.0252e-02, 1.0025e+00],  
 [6.2734e+01, 6.3162e-01, 1.6594e+00],  
 [4.5998e+01, 2.5958e-01, 2.3911e+00],  
 [2.1326e+01, 9.8041e-02, 1.9446e+00],  
 [3.4674e+01, 1.6906e-01, 1.0079e+00],  
 [5.8333e+00, 2.5555e-02, 5.8455e-01],  
 [1.0612e+02, 1.9342e+00, 4.2905e+00],  
 [1.4478e+01, 2.6460e-02, 7.4075e-01],  
 [6.5429e-01, 2.7448e-04, 6.7030e-02],  
 [1.9747e+00, 1.7665e-03, 1.6822e-01],  
 [1.3962e-01, 1.2682e-05, 1.6353e-02],  
 [4.2505e+01, 1.4499e-01, 2.9497e+00],  
 [3.5360e+01, 3.1572e-01, 1.5898e+00],  
 [7.4335e-01, 1.1399e-04, 6.3397e-02],  
 [3.0447e+00, 5.6225e-04, 1.9936e-01],  
 [8.1392e-01, 1.3280e-04, 5.7167e-02],  
 [3.1968e+00, 1.3280e-03, 2.9564e-01],  
 [7.1759e+00, 1.5397e-02, 4.3617e-01],  
 [2.7506e-02, 1.2659e-07, 4.1320e-03],  
 [2.5334e+01, 5.3065e-02, 9.7220e-01],  
 [8.2108e-02, 5.9019e-07, 1.1256e-02],  
 [1.9845e+02, 7.9849e+00, 4.6267e+00],  
 [1.6489e+00, 5.2804e-04, 1.7020e-01],  
 [2.8308e+00, 2.4794e-03, 1.9592e-01],  
 [1.3762e-01, 3.3035e-06, 2.0356e-02],  
 [1.8568e-01, 3.0915e-05, 2.6109e-02],  
 [2.5069e-01, 3.4376e-05, 2.8554e-02],  
 [4.4695e+00, 2.8549e-03, 3.6929e-01],  
 [1.1702e-01, 5.8896e-06, 1.7447e-02],  
 [2.7259e+00, 2.9489e-05, 1.6194e-01],  
 [7.4937e+01, 1.8697e+00, 3.9007e+00],  
 [8.4094e+01, 1.4297e-01, 2.8135e+00],  
 [1.7237e-01, 1.2621e-05, 1.7727e-02],  
 [4.5212e+01, 1.4356e-01, 2.5206e+00],

[1.3654e-01, 4.4315e-06, 1.6392e-02],  
 [1.4580e+02, 2.3369e+00, 3.8759e+00],  
 [2.8951e-01, 2.9939e-05, 3.0416e-02],  
 [8.0657e-01, 2.1522e-04, 8.0836e-02],  
 [1.4584e+01, 7.7807e-02, 1.2865e+00],  
 [1.4316e+01, 5.2250e-02, 8.9044e-01],  
 [6.1537e+01, 7.4194e-01, 1.4683e+00],  
 [2.9900e+00, 8.3813e-04, 2.0411e-01],  
 [5.3860e+00, 7.1364e-03, 3.4588e-01],  
 [3.2649e+00, 1.1267e-03, 2.4290e-01],  
 [1.6974e+01, 6.4441e-02, 7.7418e-01],  
 [9.6176e+01, 1.4739e+00, 2.6123e+00],  
 [2.3737e+01, 2.0617e-01, 1.3665e+00],  
 [3.1431e+02, 1.2440e+01, 5.0500e+00],  
 [1.6113e+01, 2.9471e-02, 4.6187e-01],  
 [2.2175e+01, 3.2159e-01, 1.5126e+00],  
 [2.0270e-02, 9.9083e-08, 2.9530e-03],  
 [1.2096e-01, 2.0253e-06, 1.8216e-02],  
 [1.7886e-01, 9.6254e-06, 2.0788e-02],  
 [1.0178e+02, 4.4494e-01, 2.0762e+00],  
 [5.2027e+00, 2.5465e-02, 4.5370e-01],  
 [2.1642e+02, 5.1157e-01, 4.8121e+00],  
 [1.0499e+02, 2.4226e+00, 3.1967e+00],  
 [1.5304e-01, 2.8327e-06, 1.7725e-02],  
 [6.1122e-01, 1.4353e-04, 5.4376e-02],  
 [1.6871e+01, 2.2322e-03, 5.1213e-01],  
 [3.9672e+00, 1.6667e-03, 2.7484e-01],  
 [2.5374e+01, 5.4458e-02, 1.8303e+00],  
 [8.5259e+00, 4.6734e-02, 8.3200e-01],  
 [7.0777e-01, 7.7321e-05, 7.4708e-02],  
 [4.9722e-01, 5.2480e-05, 5.3766e-02],  
 [2.2952e+01, 1.1529e-01, 1.7014e+00],  
 [1.3161e-01, 1.1083e-05, 1.5703e-02],  
 [1.5772e+01, 1.6391e-02, 8.1988e-01],  
 [1.2552e+01, 8.6967e-02, 1.2861e+00],  
 [2.4265e+02, 1.0918e+00, 4.3573e+00],  
 [5.8083e+00, 9.2104e-03, 3.9616e-01],  
 [1.0059e-01, 4.8752e-06, 1.3100e-02],  
 [2.0686e+00, 4.5054e-04, 1.8449e-01],  
 [4.1536e-01, 2.8056e-05, 4.3907e-02],  
 [8.8225e-03, 9.1436e-09, 1.3716e-03],  
 [6.1854e-01, 1.3785e-04, 5.7265e-02],  
 [6.0387e-01, 1.2600e-04, 5.6837e-02],  
 [1.0593e+02, 3.4658e+00, 3.5360e+00],  
 [1.1438e+00, 7.5448e-04, 1.4571e-01],  
 [1.4561e+00, 8.3528e-04, 1.5067e-01],  
 [2.7911e+01, 1.0101e-01, 1.2881e+00],  
 [9.4249e-01, 1.9826e-04, 1.0380e-01],

```

[6.8995e+01, 8.1634e-01, 2.4170e+00],
[4.1456e+01, 2.6046e-01, 1.3334e+00],
[2.3119e+00, 6.2037e-04, 1.4846e-01],
[3.7895e+01, 8.2656e-02, 1.2634e+00],
[1.0686e-01, 1.2992e-05, 1.3634e-02],
[2.9658e+02, 4.2285e+00, 4.2461e+00],
[1.0503e+01, 1.5876e-02, 5.9120e-01],
[6.7431e-01, 9.8407e-05, 8.4396e-02],
[1.5943e+00, 1.1649e-03, 1.7821e-01],
[1.3277e+01, 5.7826e-02, 9.6676e-01],
[3.5089e+00, 4.6879e-03, 3.2588e-01],
[7.5449e-01, 7.3307e-05, 7.8880e-02],
[7.6259e+00, 2.5245e-03, 5.3515e-01],
[9.8437e-01, 1.1766e-03, 1.1517e-01],
[1.0157e-01, 3.6304e-06, 1.2071e-02],
[1.5152e+01, 5.5012e-02, 6.0946e-01],
[5.9920e+01, 5.3243e-01, 1.1948e+00],
[8.4283e-01, 6.7374e-04, 9.6036e-02],
[3.4198e+00, 8.5958e-04, 1.9865e-01],
[2.8373e-02, 4.5375e-07, 4.0958e-03],
[4.4905e+00, 2.6977e-03, 5.3994e-01],
[3.7650e-01, 5.8855e-05, 4.4340e-02],
[1.3690e-01, 2.7684e-06, 1.9556e-02],
[2.1152e+02, 4.1454e+00, 3.2714e+00],
[1.0601e-01, 1.0943e-05, 1.2555e-02],
[6.3601e-02, 1.0848e-06, 8.7591e-03],
[7.6843e+01, 1.0109e+00, 2.5272e+00],
[4.1234e+01, 3.1453e-01, 1.7096e+00]], dtype=torch.float64)
Iteration: 132
Inputs: tensor([[1.8454e+20, 3.1080e+02, 7.6357e+00, 2.3746e+00],
               [1.4665e+18, 1.7911e+02, 4.7294e+00, 6.0470e+00],
               [4.5192e+20, 6.9915e+01, 6.0621e-01, 5.9969e+00],
               ...,
               [2.1435e+19, 1.1596e+02, 1.5628e+01, 3.3998e+00],
               [5.6064e+20, 2.9159e+02, 8.9740e+00, 7.4718e+00],
               [2.4661e+18, 7.1415e+01, 1.4398e+01, 6.1683e+00]], dtype=torch.float64)
Target: tensor([[4.2419e+01, 6.5968e-02, 1.7720e+00],
               [1.4496e-01, 4.8466e-06, 1.6447e-02],
               [6.9523e+01, 2.9630e-01, 2.8886e+00],
               [2.5793e+01, 6.2018e-02, 8.9247e-01],
               [1.3959e-02, 1.2261e-07, 2.2009e-03],
               [2.0370e+00, 9.4531e-05, 1.1652e-01],
               [1.3869e+02, 6.2667e-01, 4.2784e+00],
               [8.3726e-01, 4.1670e-04, 9.5567e-02],
               [8.6318e+01, 3.3377e-01, 3.3733e+00],
               [7.2331e-01, 1.4498e-04, 7.6176e-02],
               [4.9176e-01, 1.0043e-04, 5.7717e-02],
               [3.3812e+00, 2.8044e-03, 3.8635e-01],

```

[2.5986e-01, 1.6533e-05, 2.8271e-02],  
 [1.4469e+02, 5.7316e-01, 2.6562e+00],  
 [5.6167e+01, 1.5185e-01, 2.7853e+00],  
 [5.4902e+01, 9.5894e-02, 1.6096e+00],  
 [1.2001e+01, 9.9623e-03, 7.9715e-01],  
 [1.7803e+00, 1.2925e-04, 1.7823e-01],  
 [8.9688e+00, 3.3214e-03, 3.7058e-01],  
 [2.2967e+01, 1.1455e-01, 7.7515e-01],  
 [9.3683e+00, 1.0230e-02, 4.2586e-01],  
 [6.0226e+01, 4.3430e-01, 2.4003e+00],  
 [7.3522e+01, 1.1518e+00, 2.7434e+00],  
 [7.3672e-01, 2.8212e-04, 8.8754e-02],  
 [5.3372e+00, 2.8088e-03, 5.9269e-01],  
 [2.5274e+01, 1.4790e-01, 1.3273e+00],  
 [3.6700e+01, 6.7345e-02, 1.4310e+00],  
 [2.1594e+01, 9.6899e-03, 1.2207e+00],  
 [1.3776e+01, 1.0247e-02, 8.0912e-01],  
 [2.7287e-02, 1.4814e-07, 3.8978e-03],  
 [8.1379e+00, 8.8038e-03, 4.7392e-01],  
 [7.8417e-01, 1.4615e-04, 7.3437e-02],  
 [8.9756e+01, 4.3302e-01, 2.2627e+00],  
 [3.9205e+01, 2.2487e-01, 2.3177e+00],  
 [3.7453e-01, 1.5064e-05, 4.5474e-02],  
 [1.7098e+00, 6.1396e-05, 1.0303e-01],  
 [3.0197e-02, 6.7840e-07, 4.4697e-03],  
 [3.6089e+00, 3.4254e-03, 2.9685e-01],  
 [7.0319e+01, 5.8894e-01, 1.4740e+00],  
 [2.3801e+01, 4.6221e-02, 1.2385e+00],  
 [9.3901e-01, 2.4387e-06, 6.3478e-02],  
 [4.2467e+00, 1.5758e-02, 3.8552e-01],  
 [1.2483e+02, 2.5013e+00, 3.4049e+00],  
 [9.9896e-01, 1.0266e-04, 6.5139e-02],  
 [6.8319e-03, 3.0675e-08, 1.0576e-03],  
 [6.7790e+00, 1.0088e-02, 5.0833e-01],  
 [2.8704e-01, 4.9165e-05, 3.3375e-02],  
 [1.7492e+01, 1.6234e-02, 8.8359e-01],  
 [1.3385e+01, 2.0593e-02, 1.0099e+00],  
 [4.0458e+00, 2.5717e-03, 2.3696e-01],  
 [1.6002e+02, 2.3953e+00, 3.5370e+00],  
 [2.0447e-02, 1.3990e-07, 3.0703e-03],  
 [5.5906e-01, 5.5355e-05, 5.1087e-02],  
 [3.6175e+00, 6.5775e-04, 2.4752e-01],  
 [1.1033e+01, 1.0301e-02, 6.2427e-01],  
 [2.2349e+02, 1.4646e+00, 4.5909e+00],  
 [1.7912e+00, 6.8718e-04, 1.2871e-01],  
 [1.0840e-01, 1.2629e-06, 1.5396e-02],  
 [1.4898e+01, 7.6271e-02, 6.6403e-01],  
 [5.4599e+01, 1.7750e-01, 1.1468e+00],

[2.7909e+00, 1.2281e-03, 1.6130e-01],  
 [1.3726e+02, 4.5018e-01, 3.3912e+00],  
 [1.1568e+00, 1.2191e-04, 9.5069e-02],  
 [1.6201e+00, 1.8965e-03, 2.0512e-01],  
 [3.5072e-01, 3.2691e-06, 4.4851e-02],  
 [7.2285e+01, 3.7974e-01, 2.1945e+00],  
 [4.7107e+00, 1.1053e-03, 3.0717e-01],  
 [1.3514e+02, 2.1951e+00, 4.5668e+00],  
 [7.5026e-01, 1.2538e-04, 7.9075e-02],  
 [6.2249e+00, 1.7105e-03, 6.2149e-01],  
 [2.0126e+00, 6.5155e-05, 1.5467e-01],  
 [1.8422e+01, 1.1752e-01, 1.2086e+00],  
 [1.1709e+01, 2.9067e-02, 5.0106e-01],  
 [9.8400e+01, 6.9305e-01, 2.7803e+00],  
 [4.2429e+01, 2.3556e-01, 2.2411e+00],  
 [8.9266e-01, 4.5888e-04, 1.2401e-01],  
 [2.5902e-02, 5.4354e-07, 3.7771e-03],  
 [1.1811e+02, 1.8243e+00, 3.4943e+00],  
 [1.4315e+02, 4.1868e-01, 4.5922e+00],  
 [1.6833e-01, 3.3221e-06, 1.8247e-02],  
 [3.2313e+00, 6.9185e-03, 3.5213e-01],  
 [1.5498e-01, 9.4853e-06, 1.7852e-02],  
 [1.1252e+02, 1.7991e+00, 3.4531e+00],  
 [2.7155e+01, 4.9451e-02, 1.1022e+00],  
 [4.0228e+01, 3.5649e-01, 2.7696e+00],  
 [6.5444e-02, 5.7607e-06, 9.2797e-03],  
 [8.6209e-04, 3.9342e-10, 1.3916e-04],  
 [4.8854e+00, 4.2563e-03, 2.2555e-01],  
 [1.8737e-01, 5.6512e-06, 2.0224e-02],  
 [9.1476e-02, 9.5462e-07, 1.2010e-02],  
 [2.1372e+00, 7.2482e-04, 1.2712e-01],  
 [4.4553e+01, 3.7298e-01, 1.3547e+00],  
 [3.9219e+01, 1.8122e-01, 1.7966e+00],  
 [4.1752e+00, 2.1915e-04, 2.8009e-01],  
 [5.7840e+00, 4.7556e-03, 4.1257e-01],  
 [6.2220e+01, 4.8503e-01, 2.1326e+00],  
 [3.3671e+01, 1.2351e-02, 1.0655e+00],  
 [3.4278e-01, 1.8919e-05, 5.2147e-02],  
 [2.6988e+01, 3.7413e-02, 8.7218e-01],  
 [6.6840e-01, 3.0888e-04, 7.3089e-02],  
 [6.5743e+00, 1.6932e-02, 5.5244e-01],  
 [3.0383e+00, 1.1476e-03, 1.7696e-01],  
 [5.6994e+00, 2.8147e-03, 5.4200e-01],  
 [4.8951e+00, 1.8711e-03, 2.7215e-01],  
 [2.3198e+00, 1.8076e-03, 1.8795e-01],  
 [1.0324e+01, 9.8456e-03, 5.2431e-01],  
 [5.9402e-01, 6.3940e-05, 7.8580e-02],  
 [1.0421e+02, 3.0996e-01, 4.0550e+00],



[2.7115e-01, 1.5609e-05, 2.9383e-02],  
 [6.7303e+01, 4.0175e-01, 1.2536e+00],  
 [1.2790e+02, 3.0009e+00, 2.4853e+00],  
 [2.8717e+01, 3.9093e-02, 1.4578e+00],  
 [5.5215e+01, 8.1397e-01, 1.5837e+00],  
 [1.3214e+01, 2.3286e-02, 5.7044e-01],  
 [6.8014e-01, 7.6504e-05, 8.4033e-02],  
 [3.2423e+01, 1.6354e-01, 8.3351e-01],  
 [2.5395e-01, 2.3150e-05, 2.2792e-02],  
 [4.9494e+01, 8.9512e-01, 2.5871e+00],  
 [3.5997e+01, 1.3709e-01, 9.1911e-01],  
 [1.0356e+01, 2.1850e-02, 5.0464e-01],  
 [5.2952e+00, 4.5683e-03, 3.4313e-01],  
 [1.3164e+02, 2.0414e+00, 3.6607e+00],  
 [2.0808e+00, 6.9786e-04, 1.2853e-01],  
 [2.9979e+00, 3.0970e-03, 2.6882e-01],  
 [1.3479e+02, 2.6407e+00, 3.2826e+00],  
 [2.3523e+01, 6.6016e-02, 1.1831e+00],  
 [2.3104e+00, 2.0713e-04, 1.3828e-01],  
 [1.1104e-01, 1.4250e-06, 1.2560e-02],  
 [4.9186e+00, 5.9830e-03, 4.6488e-01],  
 [8.9908e+01, 7.2272e-01, 2.9812e+00],  
 [1.1245e+01, 2.9399e-02, 6.4035e-01],  
 [3.7323e+00, 1.0703e-03, 2.1388e-01],  
 [7.8080e-03, 2.9808e-08, 1.2378e-03],  
 [4.4552e+01, 5.9379e-01, 1.6911e+00],  
 [1.0578e+01, 1.8313e-02, 6.7984e-01],  
 [1.6223e+00, 1.4705e-03, 1.9859e-01],  
 [8.4725e-02, 4.2304e-06, 1.2332e-02],  
 [1.0161e+00, 1.3493e-04, 1.2730e-01],  
 [5.2199e-01, 1.2279e-04, 4.9902e-02],  
 [8.0323e-01, 1.4281e-04, 8.6685e-02],  
 [1.3541e+02, 1.2154e+00, 2.3684e+00],  
 [2.7743e+00, 1.7548e-03, 1.8695e-01],  
 [3.2586e+01, 1.4105e-01, 8.4133e-01],  
 [1.1301e-02, 1.7825e-07, 1.7298e-03],  
 [3.2461e+01, 5.9070e-03, 9.6914e-01],  
 [8.0964e+00, 3.5342e-03, 8.5418e-01],  
 [1.5352e+02, 2.1084e+00, 4.7800e+00],  
 [1.0547e+01, 1.2628e-02, 6.6085e-01],  
 [7.1289e-01, 8.6265e-06, 6.0393e-02],  
 [1.1799e+00, 1.2777e-04, 1.1019e-01],  
 [8.9086e+01, 9.1774e-01, 2.1244e+00],  
 [1.2762e+02, 2.0444e+00, 2.5118e+00],  
 [2.0181e+00, 4.2532e-04, 1.0749e-01],  
 [5.8965e-01, 4.8642e-05, 7.6078e-02],  
 [3.2315e+01, 1.6404e-02, 1.0042e+00],  
 [2.5847e+00, 7.0688e-04, 2.6854e-01],

[3.2244e+00, 2.9602e-03, 2.0796e-01],  
 [3.5870e+01, 2.2960e-02, 1.1290e+00],  
 [5.7694e+00, 5.7506e-03, 4.5651e-01],  
 [4.6095e-02, 3.0431e-06, 6.8420e-03],  
 [6.9532e+00, 2.2791e-03, 2.8590e-01],  
 [1.4078e+01, 4.2910e-02, 6.5758e-01],  
 [1.7362e+01, 8.0424e-02, 7.7858e-01],  
 [2.0141e+02, 4.9062e+00, 4.7892e+00],  
 [1.8655e+01, 1.5029e-02, 1.0551e+00],  
 [1.2841e+02, 2.2426e-01, 3.8074e+00],  
 [1.7975e+00, 1.1316e-03, 1.6909e-01],  
 [3.4405e+01, 2.1886e-01, 1.7731e+00],  
 [1.6873e+02, 2.8564e+00, 2.6768e+00],  
 [1.6350e+01, 4.7938e-02, 6.4379e-01],  
 [8.2328e+00, 6.4403e-03, 3.7198e-01],  
 [2.4103e+01, 1.6085e-01, 8.2899e-01],  
 [1.9243e+02, 1.3965e+00, 4.2795e+00],  
 [1.3854e-01, 1.2843e-05, 1.4709e-02],  
 [8.1591e+00, 1.8154e-02, 3.8468e-01],  
 [4.5356e+00, 1.9306e-03, 3.2057e-01],  
 [3.8880e-03, 7.2574e-09, 6.0553e-04],  
 [3.6989e-01, 2.0377e-05, 3.8393e-02],  
 [2.9531e+01, 2.5766e-01, 1.2144e+00],  
 [1.1123e+01, 3.2835e-02, 4.7590e-01],  
 [1.3249e-04, 3.9782e-12, 2.1861e-05],  
 [5.4491e+00, 6.5788e-03, 3.8358e-01],  
 [9.6932e-01, 5.4728e-05, 9.5083e-02],  
 [1.0339e+02, 1.6487e-01, 2.1335e+00],  
 [1.4992e+00, 2.6862e-04, 1.4643e-01],  
 [4.3447e-01, 5.8379e-06, 5.0146e-02],  
 [1.8325e+02, 3.3971e+00, 2.9346e+00],  
 [2.3170e+02, 7.6489e+00, 3.9196e+00],  
 [2.5361e-01, 2.6277e-05, 2.6075e-02],  
 [9.1818e+00, 3.8270e-02, 5.9590e-01],  
 [4.9627e+01, 1.1381e-01, 2.3198e+00],  
 [3.6741e+01, 2.4203e-01, 2.1774e+00],  
 [1.3828e-02, 9.2415e-08, 2.0463e-03],  
 [3.2757e+00, 2.2019e-03, 3.8536e-01],  
 [2.7865e+02, 7.3774e+00, 4.8003e+00],  
 [2.4355e+00, 8.1310e-04, 1.6007e-01],  
 [3.6955e+01, 2.5471e-01, 1.8021e+00],  
 [5.8098e-01, 1.3663e-04, 7.1780e-02],  
 [4.5868e+01, 5.1249e-02, 2.5097e+00],  
 [8.9823e+01, 4.4223e-01, 2.4944e+00],  
 [3.0391e+00, 1.6862e-03, 2.5757e-01],  
 [4.5110e+01, 1.3879e-01, 2.8175e+00],  
 [1.9236e+00, 4.3313e-03, 2.3296e-01],  
 [1.1791e-01, 6.9549e-06, 1.3060e-02],

[4.1438e-01, 1.0407e-04, 4.3589e-02],  
 [1.9719e-01, 3.3104e-05, 2.3223e-02],  
 [9.8605e+01, 7.6042e-01, 2.0884e+00],  
 [1.6789e+01, 1.4015e-02, 6.7810e-01],  
 [1.7412e-02, 7.7737e-08, 2.6720e-03],  
 [3.0675e+01, 2.5488e-01, 1.1484e+00],  
 [7.9364e+01, 9.5057e-01, 1.6303e+00],  
 [2.6377e-01, 3.4311e-06, 3.4247e-02],  
 [9.0163e-01, 5.4302e-05, 7.8140e-02],  
 [3.5397e+01, 3.3924e-01, 1.6614e+00],  
 [6.3856e+00, 2.8836e-03, 4.6018e-01],  
 [2.1222e+01, 4.3464e-02, 1.0544e+00],  
 [1.6266e-02, 1.8820e-07, 2.5153e-03],  
 [4.9031e-01, 6.3675e-05, 5.7899e-02],  
 [7.7384e+01, 3.2182e-01, 2.6634e+00],  
 [4.9222e+00, 3.4830e-03, 3.7373e-01],  
 [1.7263e-02, 8.3747e-08, 2.5540e-03],  
 [1.0507e+00, 3.8409e-05, 8.7344e-02],  
 [1.0076e+01, 2.6752e-02, 5.5609e-01],  
 [1.1194e+02, 7.5402e-01, 2.9917e+00],  
 [1.0062e-02, 7.5325e-08, 1.5193e-03],  
 [6.6874e+00, 3.1033e-03, 6.2438e-01],  
 [6.2963e-01, 4.8602e-05, 6.8980e-02],  
 [1.7015e+02, 6.1327e+00, 4.8108e+00],  
 [7.4951e+00, 5.3104e-03, 2.9112e-01],  
 [9.3503e+00, 8.2154e-04, 3.7694e-01],  
 [3.3745e+00, 2.9561e-03, 2.4817e-01],  
 [7.8606e+01, 1.9744e-01, 1.9362e+00],  
 [4.5317e-01, 1.2700e-04, 5.4461e-02],  
 [1.5448e-03, 7.7897e-10, 2.5113e-04],  
 [3.3655e-02, 1.4614e-07, 4.7590e-03],  
 [1.5652e+01, 6.4656e-02, 1.5093e+00],  
 [3.1156e+01, 1.1404e-01, 7.8672e-01],  
 [4.5679e+00, 3.6295e-03, 2.8269e-01],  
 [2.8037e-01, 3.4333e-05, 3.3233e-02],  
 [4.1277e-01, 1.1240e-05, 3.5259e-02],  
 [1.2850e+02, 3.1631e+00, 2.6215e+00],  
 [3.1023e-01, 9.2406e-06, 2.5819e-02],  
 [8.9229e+01, 7.5489e-01, 3.2088e+00],  
 [1.2683e+02, 1.7573e-01, 3.9748e+00],  
 [2.8212e+01, 8.5164e-02, 1.5527e+00],  
 [2.2394e+02, 4.9644e+00, 4.4430e+00],  
 [7.6029e+01, 2.1528e+00, 3.2299e+00],  
 [3.3746e+01, 5.8724e-03, 1.1081e+00],  
 [9.5914e-01, 6.6812e-05, 1.1039e-01],  
 [7.2815e-01, 1.4489e-05, 6.2384e-02],  
 [1.2636e-01, 6.5691e-06, 1.6018e-02],  
 [3.0394e-04, 1.4349e-11, 4.9880e-05],

[2.2984e-02, 4.6523e-07, 3.2535e-03],  
 [1.3163e+00, 3.5900e-04, 1.3143e-01],  
 [5.1652e+01, 8.3710e-02, 1.7438e+00],  
 [7.0292e+01, 3.6641e-01, 1.8622e+00],  
 [5.9798e+01, 1.5707e+00, 2.9915e+00],  
 [1.0124e-01, 6.9127e-06, 1.1755e-02],  
 [1.5430e-01, 1.8001e-05, 1.6048e-02],  
 [4.5773e+01, 1.8234e-02, 1.6606e+00],  
 [5.3297e-01, 7.5276e-06, 5.0428e-02],  
 [6.8096e+01, 4.0538e-01, 1.5953e+00],  
 [7.5165e+01, 8.0993e-01, 3.6327e+00],  
 [2.1201e+01, 1.2826e-01, 9.4848e-01],  
 [1.4706e-01, 9.9241e-06, 1.7826e-02],  
 [2.4756e+01, 4.3389e-02, 9.1715e-01],  
 [1.2529e+00, 1.2183e-04, 1.1650e-01],  
 [6.2109e+01, 3.0492e-01, 2.3298e+00],  
 [2.9493e+01, 1.5922e-01, 1.0514e+00],  
 [1.3455e+00, 9.6901e-04, 1.8910e-01],  
 [9.9250e+00, 2.3369e-02, 1.0065e+00],  
 [1.6887e-02, 4.0406e-08, 2.6758e-03],  
 [2.2648e-01, 3.4481e-05, 3.0034e-02],  
 [6.0743e-01, 1.4318e-04, 6.7943e-02],  
 [1.3590e+01, 2.2167e-02, 8.4600e-01],  
 [3.9475e+01, 9.5787e-02, 2.2864e+00],  
 [3.7681e+00, 1.9473e-03, 4.1870e-01],  
 [1.2240e+01, 3.1023e-02, 9.1169e-01],  
 [2.3988e+01, 1.0836e-01, 9.3657e-01],  
 [9.7654e-01, 2.2428e-05, 9.8799e-02],  
 [1.4929e+02, 2.4070e+00, 3.4956e+00],  
 [1.3494e+02, 1.6918e+00, 2.9790e+00],  
 [2.4958e-02, 3.8885e-07, 3.5108e-03],  
 [2.7842e+00, 2.3173e-03, 1.9732e-01],  
 [1.1813e+01, 4.6518e-02, 6.2457e-01],  
 [6.7550e+00, 1.1082e-02, 5.4586e-01],  
 [1.4557e+01, 2.4373e-02, 7.8957e-01],  
 [3.1536e+01, 3.4159e-02, 2.5185e+00],  
 [7.9914e+01, 4.0336e-01, 1.7909e+00],  
 [6.1119e+01, 2.0834e-01, 2.1657e+00],  
 [2.6837e+01, 3.3342e-02, 1.1969e+00],  
 [5.8868e+00, 2.3402e-02, 4.9799e-01],  
 [1.3332e+00, 6.4792e-04, 1.7176e-01],  
 [3.7342e+01, 5.1639e-02, 2.0936e+00],  
 [9.8171e+00, 3.6527e-03, 3.3724e-01],  
 [1.4510e+01, 3.2824e-02, 1.1839e+00],  
 [5.1331e+00, 2.6399e-03, 2.1063e-01],  
 [8.3442e+00, 1.6885e-02, 5.3180e-01],  
 [1.6775e-01, 1.7105e-05, 2.0135e-02],  
 [5.4058e+00, 1.0820e-02, 4.0641e-01],

```

[1.8474e-02, 4.2747e-07, 2.8309e-03],
[1.5645e+00, 1.9374e-03, 1.8547e-01],
[2.8449e-01, 3.6928e-06, 3.7607e-02],
[1.8243e-02, 9.4741e-08, 2.8763e-03],
[2.7857e+00, 1.0412e-03, 2.1647e-01],
[1.5489e-01, 3.5130e-06, 2.3660e-02],
[1.3912e+01, 9.7257e-03, 1.0444e+00],
[5.3524e-01, 9.6612e-05, 4.6937e-02],
[4.1906e+01, 2.3485e-01, 1.0412e+00],
[1.1281e+01, 1.2757e-02, 3.8397e-01],
[1.1430e+00, 2.1680e-04, 1.2996e-01],
[3.6076e-02, 1.0948e-06, 5.2013e-03],
[1.3032e+01, 3.7472e-02, 5.4960e-01],
[1.8796e+00, 1.5051e-03, 1.6070e-01],
[6.2615e+01, 1.2536e+00, 1.9486e+00],
[1.5149e+02, 4.9285e-01, 3.5161e+00],
[1.5195e+02, 1.0162e+00, 3.6125e+00],
[7.3026e-01, 1.8512e-04, 8.9817e-02],
[1.4440e+02, 2.8816e+00, 3.6706e+00],
[1.9455e-02, 3.1287e-07, 2.9205e-03]], dtype=torch.float64)
Iteration: 133
Inputs: tensor([[4.3636e+18, 3.5800e+01, 2.5987e+00, 5.8104e+00],
[1.0288e+19, 2.6283e+02, 1.2523e+01, 2.9302e+00],
[1.0260e+20, 1.9415e+02, 1.7099e+01, 4.4793e+00],
...,
[5.5664e+20, 6.9628e+01, 1.4940e+01, 6.2883e+00],
[2.5009e+20, 9.4969e+01, 1.9549e+01, 1.8452e+00],
[1.4929e+20, 9.9478e+01, 1.0130e+01, 4.8700e+00]], dtype=torch.float64)
Target: tensor([[6.5337e-02, 1.2711e-06, 9.3326e-03],
[1.0312e+00, 1.6041e-04, 1.0625e-01],
[1.4462e+01, 4.9848e-02, 9.5224e-01],
[1.5696e+01, 6.9844e-02, 1.1135e+00],
[1.3663e-01, 1.3947e-05, 1.7970e-02],
[1.8149e+01, 6.9979e-02, 7.1656e-01],
[1.0288e+01, 1.1050e-02, 6.0851e-01],
[2.8079e-02, 3.4501e-07, 4.1180e-03],
[2.1032e+01, 2.0168e-01, 1.5854e+00],
[4.2299e-02, 2.0434e-06, 6.3842e-03],
[1.9399e+02, 3.2255e-01, 3.5418e+00],
[1.9933e+00, 6.8343e-04, 1.7490e-01],
[4.7464e+01, 9.6658e-02, 1.1337e+00],
[4.6741e+01, 4.0259e-01, 1.4139e+00],
[4.9689e+01, 4.8817e-01, 2.6329e+00],
[2.4749e+01, 1.5334e-01, 9.7817e-01],
[2.8299e-03, 9.5959e-10, 4.4786e-04],
[2.4575e+00, 2.4517e-03, 1.9663e-01],
[1.9700e-01, 1.7883e-05, 2.3457e-02],
[2.1767e+00, 1.0968e-03, 1.5220e-01],

```

[6.0058e-01, 1.7611e-05, 6.8957e-02],  
 [9.9363e-01, 2.0090e-04, 9.6340e-02],  
 [7.4812e+01, 6.2545e-01, 2.8312e+00],  
 [1.2716e+02, 1.0336e+00, 2.5553e+00],  
 [7.0872e+00, 1.5392e-02, 3.3736e-01],  
 [5.6825e+01, 1.4408e-01, 2.0608e+00],  
 [7.0857e+01, 3.3883e-01, 2.0002e+00],  
 [1.6648e-02, 3.9298e-08, 2.5841e-03],  
 [2.8866e+01, 8.8352e-03, 1.1312e+00],  
 [5.0469e+00, 4.7227e-03, 4.3350e-01],  
 [4.1038e+00, 1.9595e-03, 2.4283e-01],  
 [7.4519e+00, 9.7785e-03, 7.6658e-01],  
 [6.7317e+01, 1.8041e-01, 2.6541e+00],  
 [9.6078e+01, 2.3271e+00, 3.1066e+00],  
 [1.8068e+01, 1.1471e-01, 8.1157e-01],  
 [2.0577e+00, 6.1652e-04, 2.4685e-01],  
 [6.7720e+00, 9.6543e-03, 4.1474e-01],  
 [1.6098e+02, 3.0418e+00, 3.8703e+00],  
 [2.3369e+01, 5.9898e-02, 7.8516e-01],  
 [2.1520e+00, 2.6501e-03, 1.7326e-01],  
 [1.8052e+01, 1.3273e-02, 7.2657e-01],  
 [1.0135e+02, 1.3626e+00, 2.5581e+00],  
 [1.6271e+00, 6.8665e-04, 1.1591e-01],  
 [5.0807e-01, 7.8442e-05, 7.2468e-02],  
 [2.7493e-01, 3.8571e-05, 2.3777e-02],  
 [2.9809e+01, 4.1758e-01, 1.3396e+00],  
 [4.6374e+01, 2.5608e-01, 1.1309e+00],  
 [4.7778e-01, 2.3790e-05, 5.0798e-02],  
 [4.4189e-01, 4.0543e-05, 3.5607e-02],  
 [2.0428e+01, 1.0657e-01, 1.3797e+00],  
 [2.0557e+01, 9.5427e-02, 8.7489e-01],  
 [2.5842e+00, 2.0216e-03, 1.7801e-01],  
 [4.3373e+00, 2.9809e-04, 3.1838e-01],  
 [1.7944e+01, 9.5140e-02, 1.2867e+00],  
 [5.2535e+01, 4.4935e-01, 1.1064e+00],  
 [4.6174e-01, 1.0861e-04, 5.6123e-02],  
 [4.6356e+01, 2.4426e-01, 1.2265e+00],  
 [1.0516e+02, 1.2377e+00, 4.3064e+00],  
 [1.1325e+00, 9.6433e-05, 7.5059e-02],  
 [6.9975e+00, 1.9378e-02, 7.7276e-01],  
 [1.1564e+01, 2.1349e-02, 5.9356e-01],  
 [2.0855e+01, 3.4036e-02, 1.1280e+00],  
 [3.3059e-01, 5.0155e-05, 3.1902e-02],  
 [6.1727e+01, 3.0394e-01, 3.6005e+00],  
 [2.1786e+01, 9.3830e-02, 1.4840e+00],  
 [4.7008e+00, 1.0129e-03, 4.2655e-01],  
 [5.5924e-01, 1.8779e-04, 4.7751e-02],  
 [5.2873e+01, 4.5969e-01, 2.4947e+00],

[5.4444e+01, 6.2422e-01, 1.3872e+00],  
 [1.1953e+00, 1.8842e-05, 8.3630e-02],  
 [7.5041e-02, 3.8765e-06, 1.0784e-02],  
 [7.8297e-01, 3.6552e-04, 1.0338e-01],  
 [4.5033e+01, 5.2495e-01, 2.2326e+00],  
 [2.5730e+01, 2.7722e-02, 6.7301e-01],  
 [1.5337e+00, 2.9655e-05, 1.3461e-01],  
 [1.2492e+02, 1.8699e+00, 2.2957e+00],  
 [6.7759e+00, 1.0073e-02, 4.3481e-01],  
 [2.7285e+00, 1.8485e-03, 2.5553e-01],  
 [2.1228e+02, 1.8673e+00, 5.0266e+00],  
 [1.2363e+02, 1.3946e+00, 3.4419e+00],  
 [4.5642e+00, 4.8018e-03, 4.6418e-01],  
 [3.1820e+01, 3.9164e-01, 1.1418e+00],  
 [2.2444e+01, 3.8915e-02, 9.3626e-01],  
 [1.3172e+01, 2.6300e-02, 7.1418e-01],  
 [3.1858e-02, 2.9494e-07, 4.3754e-03],  
 [5.8267e+01, 2.3757e-01, 1.1996e+00],  
 [7.5982e+01, 2.3953e-01, 2.3797e+00],  
 [8.2738e+01, 1.9919e+00, 2.0857e+00],  
 [2.7250e-01, 8.1853e-06, 3.1639e-02],  
 [3.3580e+00, 4.2152e-03, 2.6127e-01],  
 [3.0614e-01, 2.9406e-06, 3.6620e-02],  
 [3.6010e-01, 2.5147e-06, 2.9634e-02],  
 [7.6924e+01, 2.0752e-01, 1.8553e+00],  
 [6.8051e+00, 4.0855e-03, 3.6534e-01],  
 [1.5963e-02, 9.4990e-09, 2.4050e-03],  
 [1.8608e-02, 7.4588e-08, 2.8836e-03],  
 [7.2416e-01, 8.0086e-05, 5.0486e-02],  
 [2.4088e+01, 1.9026e-02, 1.4720e+00],  
 [1.5110e+00, 8.2496e-04, 1.3386e-01],  
 [1.0474e-02, 2.0925e-08, 1.5920e-03],  
 [4.1849e+00, 3.2683e-03, 2.4270e-01],  
 [2.0667e+02, 4.4289e+00, 3.7553e+00],  
 [3.8369e-01, 9.0366e-05, 4.6553e-02],  
 [6.8438e+01, 1.0768e+00, 2.2405e+00],  
 [4.1882e+00, 3.1810e-03, 3.4095e-01],  
 [2.9372e-01, 4.5350e-05, 2.7759e-02],  
 [1.1202e+00, 2.1846e-04, 8.4737e-02],  
 [5.0212e-01, 3.7349e-06, 4.3627e-02],  
 [1.9159e+01, 7.3588e-02, 1.3819e+00],  
 [1.3398e+00, 3.1928e-04, 9.2744e-02],  
 [2.9009e+00, 1.7469e-03, 2.4421e-01],  
 [2.0329e+00, 2.1739e-03, 1.5036e-01],  
 [7.8581e-02, 8.1160e-07, 1.0277e-02],  
 [1.3686e-01, 9.3487e-06, 1.8396e-02],  
 [9.3062e+00, 6.6658e-02, 8.4163e-01],  
 [5.8953e+01, 5.3188e-01, 1.6690e+00],

[1.1517e+01, 4.6492e-02, 9.6126e-01],  
 [3.7008e-03, 2.6337e-09, 5.8205e-04],  
 [4.8319e+00, 8.0283e-03, 4.9820e-01],  
 [3.3138e+01, 5.4222e-02, 1.1490e+00],  
 [1.0597e+01, 4.0549e-02, 6.7772e-01],  
 [4.9564e+00, 1.2817e-03, 2.2665e-01],  
 [6.5624e+00, 3.6390e-03, 4.9144e-01],  
 [4.7573e+00, 3.3904e-03, 2.5344e-01],  
 [1.2509e+00, 5.9482e-04, 1.1173e-01],  
 [6.6410e+01, 2.2944e-02, 2.0586e+00],  
 [4.6951e+00, 5.5838e-03, 2.8493e-01],  
 [4.1389e+00, 1.0418e-03, 3.6097e-01],  
 [3.4587e-02, 4.1158e-07, 4.9140e-03],  
 [2.1541e+00, 9.8270e-04, 1.2040e-01],  
 [1.8742e+02, 2.7372e+00, 4.8283e+00],  
 [3.1981e+00, 2.5978e-03, 2.6567e-01],  
 [2.6065e+00, 5.0586e-04, 2.9445e-01],  
 [2.6100e+01, 7.0177e-02, 1.0534e+00],  
 [2.6661e+01, 2.9277e-01, 1.9113e+00],  
 [3.8685e+01, 5.4522e-01, 1.6319e+00],  
 [1.1831e+00, 2.6202e-05, 1.0229e-01],  
 [6.1889e+00, 2.4965e-03, 2.6528e-01],  
 [9.6318e-02, 4.6198e-06, 1.1290e-02],  
 [6.7572e+00, 1.3397e-02, 3.9474e-01],  
 [3.9598e-01, 9.1479e-05, 4.8918e-02],  
 [6.3543e+00, 2.0262e-03, 3.9181e-01],  
 [3.4001e+01, 5.3898e-02, 1.3359e+00],  
 [1.2357e+01, 3.1403e-02, 6.1742e-01],  
 [2.5257e+01, 5.0771e-02, 6.8082e-01],  
 [5.3461e+00, 1.4956e-02, 3.8314e-01],  
 [8.0860e+00, 3.6812e-03, 6.1390e-01],  
 [3.9800e-03, 5.5918e-09, 6.3258e-04],  
 [1.3195e+00, 3.2596e-04, 8.9203e-02],  
 [1.9884e-01, 2.8820e-05, 2.3878e-02],  
 [8.9540e-03, 6.3645e-08, 1.3973e-03],  
 [2.7886e+01, 1.1710e-01, 2.2370e+00],  
 [2.9683e+01, 8.5338e-02, 1.7416e+00],  
 [1.6192e-01, 4.2018e-06, 1.9086e-02],  
 [1.0469e+02, 5.0765e-02, 2.1511e+00],  
 [1.0499e-01, 1.1785e-05, 1.3906e-02],  
 [1.8148e+02, 8.8679e-01, 4.6743e+00],  
 [1.2260e-01, 6.9178e-07, 1.5374e-02],  
 [3.3929e-02, 2.8592e-07, 5.0227e-03],  
 [2.9893e+01, 1.4316e-01, 1.1727e+00],  
 [2.6483e+01, 6.1334e-02, 1.1903e+00],  
 [1.1210e+00, 1.8340e-04, 1.1739e-01],  
 [6.2940e-01, 2.7857e-04, 7.0589e-02],  
 [7.4198e+01, 2.6116e-01, 1.5386e+00],



[3.6194e+00, 1.2894e-02, 3.9344e-01],  
 [2.5451e+01, 4.2251e-02, 1.5465e+00],  
 [2.5340e-01, 3.8143e-05, 2.4567e-02],  
 [8.1670e+01, 1.5682e-01, 2.0651e+00],  
 [2.1053e+01, 5.1206e-02, 1.0775e+00],  
 [1.3577e+02, 2.4352e+00, 3.4117e+00],  
 [1.4982e+01, 2.1694e-02, 4.2938e-01],  
 [6.5249e+01, 6.8425e-01, 3.6738e+00],  
 [3.0449e-01, 1.1473e-05, 3.4118e-02],  
 [1.1747e+01, 1.3221e-02, 9.9562e-01],  
 [8.2511e-01, 1.3418e-04, 7.6899e-02],  
 [1.3903e+00, 7.2964e-04, 1.0391e-01],  
 [4.4674e-01, 1.8442e-05, 3.7167e-02],  
 [2.9282e+02, 7.7318e+00, 4.8160e+00],  
 [7.1012e+01, 1.2698e+00, 2.0898e+00],  
 [3.3348e+01, 4.2537e-01, 1.5587e+00],  
 [6.3355e+00, 1.5011e-02, 4.8488e-01],  
 [1.8901e+00, 1.8478e-03, 1.6045e-01],  
 [1.9162e-01, 5.1405e-06, 2.5665e-02],  
 [2.6909e+01, 1.3294e-01, 1.9730e+00],  
 [1.2404e+00, 1.0470e-03, 1.2646e-01],  
 [8.4091e+00, 3.1170e-03, 3.9767e-01],  
 [1.1210e-01, 1.7218e-05, 1.6099e-02],  
 [8.2841e-02, 1.2513e-06, 1.2425e-02],  
 [3.9295e+00, 7.1906e-03, 4.0823e-01],  
 [5.5271e+00, 8.4913e-03, 3.6425e-01],  
 [1.2950e+01, 1.0521e-02, 5.1293e-01],  
 [5.0164e-01, 9.1668e-05, 5.1111e-02],  
 [4.0920e-02, 3.2931e-07, 5.9205e-03],  
 [2.1571e+02, 1.4830e+00, 3.6309e+00],  
 [9.6530e-01, 2.5281e-05, 1.0020e-01],  
 [9.8798e-02, 1.9309e-06, 1.2057e-02],  
 [4.7895e+01, 2.1370e-01, 1.2931e+00],  
 [8.8006e-01, 1.0940e-04, 9.8546e-02],  
 [9.5686e-02, 3.5263e-06, 1.2851e-02],  
 [1.0169e+01, 3.2384e-02, 5.1857e-01],  
 [4.1730e-03, 4.6189e-09, 6.5260e-04],  
 [8.7210e+01, 3.0701e-01, 2.3432e+00],  
 [6.5909e+01, 5.2557e-01, 2.0415e+00],  
 [2.4063e+00, 9.0252e-04, 1.7920e-01],  
 [2.0564e+02, 1.5006e+00, 3.9193e+00],  
 [1.5967e+01, 8.5198e-02, 1.1103e+00],  
 [5.3967e+01, 5.3527e-01, 1.3175e+00],  
 [7.6715e-01, 2.2812e-04, 7.6894e-02],  
 [2.1504e+01, 6.0855e-02, 6.1768e-01],  
 [5.7624e+00, 1.5163e-02, 3.7249e-01],  
 [8.9935e-02, 2.5104e-06, 1.3245e-02],  
 [2.0782e+00, 2.6362e-04, 1.2230e-01],

[9.3655e-02, 4.5598e-06, 1.1757e-02],  
 [1.4512e+01, 3.3941e-02, 5.7861e-01],  
 [1.6793e-02, 1.1180e-07, 2.5944e-03],  
 [7.0728e-01, 2.2000e-04, 7.9722e-02],  
 [3.3810e+00, 1.2278e-02, 3.5143e-01],  
 [2.4504e+00, 2.8720e-04, 1.1841e-01],  
 [1.0525e+02, 2.3091e+00, 2.9463e+00],  
 [1.2806e+01, 1.1372e-03, 4.5688e-01],  
 [2.5179e+01, 3.4022e-02, 1.1666e+00],  
 [2.2725e+01, 9.2051e-02, 8.6704e-01],  
 [1.3628e+00, 1.7700e-04, 9.1372e-02],  
 [6.8716e-01, 1.0677e-04, 5.7207e-02],  
 [1.2786e+00, 2.8906e-04, 9.5268e-02],  
 [8.9623e+01, 9.8469e-01, 1.8230e+00],  
 [2.3610e-01, 2.8629e-05, 2.6643e-02],  
 [2.2163e-01, 1.0058e-05, 2.9757e-02],  
 [4.9737e+01, 2.5728e-01, 1.0348e+00],  
 [2.6075e-02, 1.3228e-07, 3.7633e-03],  
 [2.1451e-02, 6.1231e-07, 3.0908e-03],  
 [6.8050e+00, 1.0709e-02, 4.2521e-01],  
 [2.5683e+02, 7.0895e+00, 4.0168e+00],  
 [6.7672e+01, 9.6757e-01, 2.4237e+00],  
 [6.0243e-01, 2.1034e-05, 3.8503e-02],  
 [3.1437e+01, 1.9805e-02, 1.6028e+00],  
 [3.2878e+01, 3.7585e-01, 1.8719e+00],  
 [2.8156e-03, 6.0536e-09, 4.5248e-04],  
 [3.9313e-01, 6.0028e-05, 3.6995e-02],  
 [1.7111e+01, 8.3396e-02, 7.4356e-01],  
 [8.6694e+01, 1.6953e+00, 2.3792e+00],  
 [3.4699e-02, 3.3226e-07, 4.6938e-03],  
 [6.1326e+01, 1.8412e-01, 1.3618e+00],  
 [2.7470e+01, 1.1070e-01, 1.0477e+00],  
 [7.9194e+01, 9.4029e-01, 3.7309e+00],  
 [9.7791e+01, 1.0649e+00, 2.5215e+00],  
 [1.5224e+01, 1.8507e-02, 1.3125e+00],  
 [5.8396e+01, 4.1474e-01, 2.2738e+00],  
 [7.0936e+01, 5.6755e-01, 1.2920e+00],  
 [6.4801e+00, 8.5719e-03, 6.7793e-01],  
 [4.2429e+01, 1.3500e-01, 2.5996e+00],  
 [5.5553e+01, 8.5226e-01, 1.6756e+00],  
 [3.0565e+00, 2.8126e-03, 2.0369e-01],  
 [1.9739e+02, 1.5635e-01, 4.8057e+00],  
 [4.7719e+01, 2.0774e-01, 1.2485e+00],  
 [1.6455e+01, 2.1922e-02, 1.5073e+00],  
 [2.0038e+01, 3.7681e-02, 8.9261e-01],  
 [1.8926e-01, 3.0116e-06, 2.2268e-02],  
 [1.1947e+02, 1.2062e+00, 4.4311e+00],  
 [2.1226e-01, 2.0157e-05, 2.8514e-02],

[6.1561e-01, 2.0690e-04, 5.4239e-02],  
 [1.0148e+02, 1.9612e-01, 1.9731e+00],  
 [1.4952e-01, 6.7636e-06, 1.7708e-02],  
 [2.0918e-01, 2.6285e-05, 2.0287e-02],  
 [3.3918e+00, 1.4881e-03, 2.8769e-01],  
 [3.7533e+00, 2.3302e-04, 2.4646e-01],  
 [2.3894e+01, 1.3611e-01, 8.3749e-01],  
 [5.1337e+00, 8.9546e-03, 3.3304e-01],  
 [1.2970e+01, 4.7049e-02, 9.1887e-01],  
 [2.0853e+01, 2.1197e-02, 8.6144e-01],  
 [4.6533e+01, 8.1927e-02, 2.3069e+00],  
 [1.1399e+02, 2.4311e+00, 3.6363e+00],  
 [1.6417e+02, 6.5949e+00, 4.1768e+00],  
 [7.4617e-04, 5.6715e-10, 1.2073e-04],  
 [4.8568e-01, 1.3734e-05, 4.5289e-02],  
 [5.9048e+01, 1.1463e-01, 1.0722e+00],  
 [2.3817e-01, 5.8958e-05, 3.1894e-02],  
 [1.5547e+02, 6.4763e+00, 4.6966e+00],  
 [8.6681e-03, 7.8434e-08, 1.3279e-03],  
 [8.1264e-01, 1.2259e-04, 8.7925e-02],  
 [1.1227e+01, 1.3437e-02, 1.1150e+00],  
 [6.9954e-02, 9.9594e-07, 9.1213e-03],  
 [1.7994e+02, 1.9142e+00, 4.0063e+00],  
 [5.0728e-01, 1.0734e-04, 5.0104e-02],  
 [2.8872e+00, 2.5430e-03, 2.2717e-01],  
 [1.2365e+01, 1.8756e-02, 3.9388e-01],  
 [9.6767e-01, 5.5297e-04, 9.7986e-02],  
 [1.2442e+00, 4.6355e-04, 9.9857e-02],  
 [5.0370e-01, 2.5121e-05, 6.3802e-02],  
 [1.1132e+01, 1.7596e-02, 8.3720e-01],  
 [9.4477e+00, 2.4397e-02, 6.2654e-01],  
 [1.1677e-01, 5.2350e-06, 1.4677e-02],  
 [5.3009e-01, 8.2426e-05, 5.1108e-02],  
 [3.4155e-02, 3.0427e-07, 5.0373e-03],  
 [9.3910e-01, 4.8984e-04, 9.3851e-02],  
 [2.8403e+00, 1.6318e-03, 3.5307e-01],  
 [1.6211e+02, 1.3409e+00, 3.7155e+00],  
 [1.3910e+01, 1.4140e-02, 4.9355e-01],  
 [1.8591e-01, 4.0076e-06, 2.1644e-02],  
 [7.9263e+01, 1.5489e+00, 2.7122e+00],  
 [1.2056e+00, 1.0435e-04, 1.1303e-01],  
 [1.4142e+01, 1.5336e-02, 4.1363e-01],  
 [1.7139e+00, 4.2306e-04, 2.1344e-01],  
 [9.4687e-01, 6.0288e-04, 1.1047e-01],  
 [1.1525e+02, 3.9488e+00, 2.8920e+00],  
 [9.6370e+00, 3.4149e-03, 4.6882e-01],  
 [6.1226e+00, 6.2347e-03, 5.2390e-01],  
 [1.7496e-02, 3.8775e-08, 2.6683e-03],

```

[2.4364e+02, 3.3832e+00, 4.4916e+00],
[3.1804e-01, 7.0201e-05, 3.4113e-02],
[3.9411e+00, 2.6067e-03, 2.8983e-01],
[3.5385e+01, 4.1266e-01, 2.2815e+00],
[1.1610e+01, 1.6209e-02, 5.9388e-01],
[1.9504e-01, 9.7853e-06, 2.5124e-02],
[3.6422e-02, 5.9682e-07, 4.9297e-03],
[6.7113e+00, 6.1922e-03, 2.8840e-01],
[3.8828e+01, 2.8940e-01, 1.6398e+00],
[2.5214e+01, 2.4062e-01, 1.9713e+00],
[2.8119e+00, 1.9856e-03, 3.5133e-01],
[1.4912e+01, 4.3832e-02, 1.0722e+00]], dtype=torch.float64)
Iteration: 134
Inputs: tensor([[4.9002e+19, 1.9288e+02, 5.4114e-01, 5.3142e+00],
[7.2282e+19, 4.4040e+02, 1.1821e+01, 1.7371e+00],
[1.9873e+20, 2.1976e+02, 8.8189e+00, 9.6264e+00],
...,
[9.6717e+19, 3.3519e+02, 2.4554e+00, 7.2924e+00],
[7.7890e+18, 4.1139e+02, 1.1374e+01, 9.4513e+00],
[1.7673e+20, 6.5788e+01, 1.2915e+01, 5.6254e+00]], dtype=torch.float64)
Target: tensor([[2.9056e+01, 3.6587e-02, 9.0382e-01],
[1.5959e+01, 1.2642e-02, 8.9101e-01],
[6.2947e+01, 9.2260e-01, 2.0078e+00],
[2.3931e-01, 3.7750e-05, 2.8459e-02],
[5.3780e-02, 2.8130e-07, 7.0895e-03],
[1.1527e-01, 5.6904e-06, 1.5160e-02],
[1.3046e+01, 1.8036e-03, 6.2076e-01],
[3.0419e+01, 6.6703e-02, 1.2181e+00],
[3.9000e-01, 2.1796e-05, 4.9604e-02],
[2.7942e+01, 4.9640e-02, 6.9740e-01],
[1.7976e+01, 2.4790e-02, 6.1115e-01],
[5.1850e-02, 6.4393e-07, 7.6889e-03],
[6.0127e-02, 1.8233e-06, 7.5231e-03],
[7.3620e+01, 4.7958e-01, 1.5016e+00],
[5.1124e+01, 6.7152e-02, 3.0091e+00],
[6.5999e-02, 4.8327e-06, 8.6248e-03],
[2.8009e-03, 1.9092e-09, 4.4818e-04],
[2.2209e-01, 4.1672e-05, 3.1529e-02],
[7.7725e+01, 8.3868e-01, 2.4593e+00],
[1.2685e+01, 2.2240e-02, 4.4728e-01],
[1.0244e-02, 5.1780e-08, 1.5680e-03],
[9.1962e+01, 1.5866e+00, 2.7327e+00],
[3.8130e-01, 1.8637e-05, 4.3611e-02],
[2.4874e+00, 9.8409e-04, 1.9839e-01],
[2.2821e+02, 1.3796e+00, 3.3225e+00],
[3.0023e+00, 1.3643e-03, 2.0488e-01],
[1.3076e+02, 1.5106e+00, 4.2017e+00],
[9.0192e-01, 3.1103e-04, 7.7789e-02],

```

[6.8495e+01, 4.5578e-01, 1.3693e+00],  
 [2.2026e+01, 4.5900e-02, 1.6386e+00],  
 [1.7536e+02, 3.1820e-01, 4.5842e+00],  
 [1.2897e-01, 5.5697e-06, 1.5190e-02],  
 [8.2588e+01, 1.5011e+00, 2.2819e+00],  
 [7.3515e+00, 6.2827e-03, 2.9685e-01],  
 [4.4404e-03, 1.6484e-08, 6.9475e-04],  
 [1.2317e+01, 8.9234e-03, 3.9062e-01],  
 [1.4599e+00, 1.1276e-03, 1.0961e-01],  
 [8.9975e+00, 5.1387e-02, 6.9788e-01],  
 [2.9300e+01, 1.1463e-01, 7.3974e-01],  
 [8.9462e-02, 2.4600e-06, 1.1970e-02],  
 [3.3572e+00, 1.2940e-02, 3.7912e-01],  
 [1.4930e-01, 6.8998e-06, 1.8459e-02],  
 [2.1392e+01, 2.2626e-01, 1.2917e+00],  
 [3.4059e+00, 3.3213e-03, 2.3303e-01],  
 [5.1328e-02, 3.2974e-07, 7.1196e-03],  
 [2.5406e+00, 1.0596e-03, 1.4592e-01],  
 [1.4228e+02, 3.3926e+00, 3.5228e+00],  
 [1.0777e+00, 1.1465e-05, 8.9658e-02],  
 [1.9337e+02, 2.1948e+00, 4.9120e+00],  
 [2.1204e+00, 1.1496e-04, 1.9130e-01],  
 [4.4312e+01, 1.4999e-01, 1.1503e+00],  
 [1.1453e+00, 6.7238e-04, 1.5012e-01],  
 [3.3454e+01, 5.1867e-02, 1.3177e+00],  
 [5.4915e+01, 8.2434e-01, 1.9695e+00],  
 [7.0774e+01, 3.2889e-01, 3.1224e+00],  
 [3.3579e+01, 1.9847e-01, 1.4088e+00],  
 [1.1618e-02, 8.9729e-09, 1.7522e-03],  
 [2.1940e+01, 7.1656e-02, 7.5393e-01],  
 [3.6212e+01, 3.5392e-01, 1.1202e+00],  
 [5.3164e+01, 6.2631e-01, 2.0720e+00],  
 [7.5288e-01, 1.3263e-04, 6.3152e-02],  
 [1.1229e+01, 4.8737e-03, 6.5255e-01],  
 [1.9865e-01, 4.1067e-06, 2.3787e-02],  
 [7.2700e+01, 6.5021e-01, 2.2478e+00],  
 [8.6184e-01, 9.4675e-04, 1.0676e-01],  
 [5.7818e+00, 1.4974e-02, 3.5268e-01],  
 [1.1828e-02, 1.3442e-07, 1.7730e-03],  
 [4.4460e+01, 1.2402e-01, 1.9451e+00],  
 [5.2165e+01, 3.1250e-02, 1.9983e+00],  
 [2.2984e-01, 1.9257e-05, 3.2221e-02],  
 [5.1220e+01, 1.3186e-01, 2.4916e+00],  
 [6.5464e-02, 4.0644e-07, 9.3064e-03],  
 [2.6332e+01, 1.0773e-01, 9.1127e-01],  
 [1.4643e+00, 6.7728e-04, 1.1515e-01],  
 [1.5554e+02, 1.6295e+00, 3.4816e+00],  
 [1.8478e+01, 1.3740e-02, 6.7596e-01],

[5.4850e+01, 4.5010e-01, 1.6417e+00],  
 [5.9081e+01, 3.0759e-01, 1.7139e+00],  
 [8.1022e-01, 8.4403e-05, 6.4249e-02],  
 [9.1261e+01, 3.2048e-01, 1.7920e+00],  
 [1.0852e+02, 1.2279e+00, 3.5936e+00],  
 [3.2939e-02, 2.7099e-07, 5.0373e-03],  
 [5.3069e+00, 2.7047e-03, 3.0762e-01],  
 [3.3695e+01, 6.3649e-02, 2.2147e+00],  
 [3.9691e-02, 2.0702e-06, 5.3686e-03],  
 [1.4180e+02, 1.0877e+00, 4.6801e+00],  
 [2.9055e+01, 2.8161e-01, 2.1759e+00],  
 [7.8637e-03, 5.0161e-09, 1.2011e-03],  
 [2.0821e-01, 3.1035e-06, 2.7811e-02],  
 [4.3898e-02, 3.8468e-07, 6.4386e-03],  
 [1.4084e+01, 1.1194e-01, 1.1917e+00],  
 [1.9387e+02, 2.5264e+00, 4.8477e+00],  
 [7.5736e+01, 9.7897e-01, 3.7093e+00],  
 [6.2392e-01, 2.2324e-05, 5.6343e-02],  
 [1.6003e-01, 2.1961e-05, 1.7480e-02],  
 [1.8666e+00, 1.9900e-03, 1.8953e-01],  
 [7.5932e+01, 2.6586e-01, 3.0523e+00],  
 [9.5666e-01, 3.0701e-04, 9.5794e-02],  
 [5.9075e+00, 1.8500e-02, 4.0442e-01],  
 [6.7896e+01, 6.7214e-01, 1.8055e+00],  
 [3.6487e+01, 4.1778e-01, 1.3666e+00],  
 [4.9623e+01, 3.9269e-01, 1.9346e+00],  
 [2.3880e+00, 1.6987e-03, 2.7357e-01],  
 [3.0771e-03, 4.3074e-09, 4.9114e-04],  
 [5.5604e-03, 4.6753e-08, 8.6535e-04],  
 [1.2318e+02, 4.2618e-01, 2.9760e+00],  
 [1.9967e+02, 1.1046e+01, 4.2441e+00],  
 [1.4539e-01, 3.1893e-06, 1.6900e-02],  
 [1.3447e+02, 9.9995e-02, 4.1891e+00],  
 [8.4050e+01, 1.0148e+00, 2.1830e+00],  
 [6.1222e-02, 1.3755e-07, 8.6198e-03],  
 [1.8504e+00, 9.0231e-04, 1.3647e-01],  
 [2.7420e+00, 2.3640e-03, 1.6671e-01],  
 [7.6277e+00, 2.2315e-03, 3.5615e-01],  
 [2.1416e+01, 7.1088e-02, 8.7697e-01],  
 [6.6511e+01, 1.3547e+00, 2.5889e+00],  
 [2.2973e+01, 3.7183e-02, 7.4166e-01],  
 [4.4357e+01, 5.4799e-02, 9.8408e-01],  
 [3.6030e+01, 3.0504e-01, 1.4672e+00],  
 [2.1554e-02, 2.9365e-07, 3.2750e-03],  
 [1.5258e+02, 1.6991e+00, 4.5088e+00],  
 [2.5143e+01, 5.7143e-02, 7.1497e-01],  
 [2.9452e-02, 9.4896e-07, 4.5577e-03],  
 [1.7949e-01, 1.1365e-05, 2.0010e-02],

[1.4969e-01, 3.2059e-06, 2.0438e-02],  
 [8.9565e-01, 5.2040e-04, 8.0854e-02],  
 [1.6977e+00, 1.3919e-03, 1.8927e-01],  
 [6.2350e-02, 1.5772e-06, 7.7802e-03],  
 [3.9527e-01, 2.6499e-05, 4.2402e-02],  
 [6.8663e+01, 1.0945e+00, 2.2697e+00],  
 [7.6986e-02, 4.0640e-06, 1.0638e-02],  
 [1.8024e-02, 8.8054e-08, 2.9106e-03],  
 [1.3246e+02, 2.6727e+00, 3.8789e+00],  
 [1.7227e+02, 3.5075e+00, 3.8845e+00],  
 [9.0878e-01, 5.1651e-04, 1.0048e-01],  
 [3.4023e+00, 2.6933e-03, 2.8881e-01],  
 [2.8753e+02, 2.7795e+00, 5.0112e+00],  
 [7.5033e-02, 5.1679e-07, 1.1446e-02],  
 [4.9808e+01, 6.0981e-02, 1.4530e+00],  
 [2.1213e+00, 7.2788e-04, 2.3569e-01],  
 [1.1622e+01, 1.4562e-02, 4.7901e-01],  
 [9.5458e-03, 5.7228e-08, 1.4921e-03],  
 [2.5424e+01, 5.8475e-02, 9.4479e-01],  
 [3.4577e-03, 1.1230e-09, 5.5899e-04],  
 [3.0993e-02, 5.6774e-07, 4.3768e-03],  
 [2.2813e-02, 2.0532e-07, 3.2275e-03],  
 [3.3819e+01, 5.3597e-02, 1.6679e+00],  
 [1.3707e+00, 7.6164e-05, 1.1084e-01],  
 [5.5011e+01, 5.9185e-01, 1.6836e+00],  
 [2.8340e+01, 2.2062e-01, 1.0014e+00],  
 [1.3950e+01, 2.6772e-02, 6.8785e-01],  
 [1.8623e+00, 1.1311e-03, 1.8436e-01],  
 [4.2667e+00, 2.6226e-03, 3.5194e-01],  
 [2.8454e+01, 2.5600e-01, 1.3749e+00],  
 [1.3236e-02, 2.2122e-08, 1.9898e-03],  
 [1.3342e+02, 1.8889e-01, 2.7871e+00],  
 [1.4365e+00, 1.2997e-03, 1.5148e-01],  
 [1.5649e+00, 6.0549e-04, 9.6394e-02],  
 [1.5772e+00, 6.5420e-04, 1.3693e-01],  
 [1.4646e+02, 1.2590e+00, 2.8290e+00],  
 [1.6527e+00, 1.7485e-03, 1.8718e-01],  
 [3.5631e-01, 8.7172e-06, 3.9540e-02],  
 [1.6737e+02, 8.6018e-01, 3.5050e+00],  
 [1.1415e+01, 1.9646e-02, 4.2825e-01],  
 [4.7344e+00, 3.3386e-04, 2.5393e-01],  
 [1.0278e-01, 4.5478e-06, 1.1823e-02],  
 [9.2034e+00, 3.6726e-03, 3.9873e-01],  
 [4.9645e+01, 4.6178e-01, 2.5057e+00],  
 [4.4344e+01, 8.8013e-02, 1.4001e+00],  
 [5.1009e+00, 3.6943e-03, 5.1166e-01],  
 [9.2760e-02, 5.4212e-06, 1.2752e-02],  
 [5.4612e-02, 1.2008e-06, 7.4530e-03],

[1.6368e+01, 6.3104e-02, 9.0110e-01],  
 [7.6786e+01, 8.0544e-01, 2.2956e+00],  
 [6.9592e+01, 1.8547e-01, 2.8382e+00],  
 [1.5024e-01, 1.2311e-05, 1.7447e-02],  
 [4.4126e-01, 4.3743e-05, 5.1265e-02],  
 [6.1967e+01, 5.9187e-01, 1.6307e+00],  
 [3.5508e-01, 1.4540e-05, 4.3378e-02],  
 [8.8629e+01, 5.2657e-01, 2.4838e+00],  
 [1.0153e+01, 1.8598e-02, 4.6158e-01],  
 [2.0670e+00, 5.8550e-04, 1.3359e-01],  
 [9.6397e+01, 1.5260e+00, 2.3051e+00],  
 [4.3922e-01, 4.5520e-05, 5.2933e-02],  
 [2.3928e+01, 1.0247e-01, 1.4459e+00],  
 [3.5458e-01, 2.6490e-05, 2.8240e-02],  
 [1.0941e+01, 4.3051e-02, 9.4417e-01],  
 [3.7279e-01, 6.2995e-05, 3.7218e-02],  
 [1.3694e+02, 5.2680e+00, 3.3349e+00],  
 [2.7934e-01, 2.2282e-05, 3.5769e-02],  
 [2.1248e+01, 7.8061e-02, 6.6939e-01],  
 [1.0048e+00, 1.5046e-04, 1.0851e-01],  
 [9.1599e+01, 1.2375e+00, 3.2171e+00],  
 [1.3903e-01, 3.5900e-06, 1.8752e-02],  
 [2.7401e-01, 1.4713e-05, 3.5247e-02],  
 [6.7816e+01, 2.5866e-01, 1.5910e+00],  
 [8.4355e+00, 2.3170e-02, 5.0710e-01],  
 [1.4818e+01, 3.9678e-02, 9.2958e-01],  
 [6.4380e-01, 7.4932e-05, 7.5219e-02],  
 [9.0862e-02, 3.7391e-06, 1.2709e-02],  
 [1.9314e-01, 8.9967e-06, 2.0726e-02],  
 [3.7782e+01, 1.5572e-01, 1.2625e+00],  
 [4.5885e-01, 5.8011e-06, 4.3149e-02],  
 [1.3545e+00, 2.1338e-04, 8.3511e-02],  
 [3.8017e+01, 8.5051e-02, 2.8351e+00],  
 [3.6989e+01, 4.1476e-01, 1.2277e+00],  
 [3.5324e+01, 1.3396e-01, 2.2594e+00],  
 [1.8832e+00, 8.5160e-04, 1.6113e-01],  
 [4.8118e+01, 4.5102e-01, 2.2676e+00],  
 [1.7139e+01, 5.3210e-02, 9.7580e-01],  
 [1.0619e+00, 4.2691e-04, 8.5153e-02],  
 [2.1028e-02, 1.7315e-07, 3.1102e-03],  
 [1.6470e+01, 2.2712e-02, 1.2581e+00],  
 [7.0505e-02, 1.9677e-06, 8.7931e-03],  
 [4.8726e+01, 3.1534e-01, 1.7103e+00],  
 [1.3211e+02, 2.1876e+00, 3.7353e+00],  
 [1.6540e-01, 1.0990e-06, 2.3668e-02],  
 [3.5984e+01, 4.6895e-01, 1.2396e+00],  
 [3.2621e-01, 7.6340e-05, 3.5317e-02],  
 [2.8833e+01, 2.5233e-01, 2.0007e+00],



[4.6588e+01, 6.1969e-01, 1.9632e+00],  
 [5.1333e+01, 5.5570e-02, 2.1717e+00],  
 [4.8083e+01, 4.9598e-01, 1.6410e+00],  
 [1.8275e-01, 6.1896e-06, 2.4014e-02],  
 [6.5741e-02, 8.7961e-07, 8.9959e-03],  
 [6.7768e+01, 7.9048e-01, 2.1875e+00],  
 [2.4509e+00, 1.2761e-03, 1.5211e-01],  
 [3.6396e-02, 2.1927e-07, 5.1593e-03],  
 [8.1821e+00, 8.6099e-03, 3.5122e-01],  
 [1.3054e-01, 8.8204e-06, 1.4691e-02],  
 [6.9384e+00, 1.3869e-03, 6.3446e-01],  
 [5.0014e-01, 5.6796e-05, 4.2251e-02],  
 [1.7179e-01, 1.7535e-05, 1.7831e-02],  
 [2.7287e-01, 2.1629e-05, 2.4222e-02],  
 [1.3293e+02, 1.2433e+00, 4.1973e+00],  
 [4.9118e+01, 4.4632e-01, 1.2788e+00],  
 [8.7334e-01, 6.5091e-05, 9.5766e-02],  
 [7.7895e+00, 3.6031e-03, 4.1939e-01],  
 [7.4653e-02, 6.2819e-07, 9.0393e-03],  
 [2.5290e+01, 7.7618e-02, 1.1474e+00],  
 [1.2717e+02, 3.4311e+00, 3.3422e+00],  
 [2.3142e+00, 5.3410e-04, 2.8290e-01],  
 [2.7215e+01, 1.1128e-01, 1.2845e+00],  
 [2.2244e+02, 7.6654e-01, 4.3125e+00],  
 [1.2681e+00, 8.0244e-05, 9.6680e-02],  
 [7.1810e+01, 4.3271e-01, 1.6988e+00],  
 [3.9493e+01, 5.5705e-01, 1.6186e+00],  
 [3.7088e+01, 4.8111e-01, 1.1735e+00],  
 [6.5416e+00, 1.7760e-02, 6.1000e-01],  
 [8.7661e-01, 4.5518e-04, 9.1917e-02],  
 [1.2327e-02, 1.4341e-07, 1.8596e-03],  
 [2.3146e+00, 1.6973e-03, 1.6930e-01],  
 [3.2556e+01, 2.0059e-01, 2.5856e+00],  
 [5.4804e+00, 8.4807e-03, 4.0610e-01],  
 [9.9613e+01, 2.5619e-01, 3.1749e+00],  
 [1.1640e+02, 4.3205e-01, 3.4765e+00],  
 [3.5940e+01, 3.1486e-01, 1.0789e+00],  
 [4.1436e+01, 1.4267e-01, 9.6166e-01],  
 [1.6003e+02, 4.8851e+00, 3.9590e+00],  
 [5.8439e+00, 8.3879e-03, 4.5767e-01],  
 [4.2541e-02, 1.0815e-07, 5.8701e-03],  
 [8.8080e+01, 5.9052e-01, 1.5930e+00],  
 [1.4993e-02, 1.1123e-07, 2.3029e-03],  
 [7.9019e+01, 1.5655e-01, 3.3882e+00],  
 [1.3978e+01, 8.7114e-03, 1.0244e+00],  
 [1.1528e-01, 1.0788e-05, 1.3157e-02],  
 [1.5145e-01, 6.2735e-06, 2.0441e-02],  
 [6.1807e-01, 3.8997e-04, 8.2931e-02],

[6.5022e+01, 8.7229e-01, 3.3624e+00],  
 [2.4396e+01, 1.7984e-01, 1.7687e+00],  
 [3.3737e+00, 5.1345e-04, 2.9302e-01],  
 [9.9801e-02, 2.0935e-07, 1.4611e-02],  
 [3.0083e+01, 1.4499e-01, 8.6215e-01],  
 [1.3423e+00, 1.3347e-04, 1.3644e-01],  
 [7.2299e+01, 1.4854e+00, 3.7331e+00],  
 [8.0735e+00, 1.0063e-03, 4.9602e-01],  
 [3.7490e+01, 3.6773e-01, 2.0082e+00],  
 [2.1666e+00, 7.9464e-04, 1.4242e-01],  
 [1.1673e+02, 1.9076e+00, 3.3318e+00],  
 [7.5149e+01, 1.1431e+00, 2.0049e+00],  
 [2.4712e+01, 4.3676e-02, 7.9255e-01],  
 [1.9933e+01, 8.0099e-02, 1.6214e+00],  
 [3.2282e-02, 2.2285e-07, 4.4055e-03],  
 [1.8901e+02, 1.9207e+00, 4.5358e+00],  
 [5.3770e-01, 9.6630e-05, 4.5657e-02],  
 [2.5291e-01, 3.1795e-05, 2.9385e-02],  
 [6.5793e+00, 2.2102e-02, 7.0931e-01],  
 [4.5224e-02, 1.3683e-06, 5.9412e-03],  
 [9.0854e+00, 6.7348e-03, 5.7288e-01],  
 [4.7167e-01, 3.1756e-04, 6.3863e-02],  
 [1.3170e+02, 1.6606e+00, 3.0975e+00],  
 [1.4991e+01, 5.0411e-02, 6.1372e-01],  
 [2.2646e+00, 1.5949e-03, 2.0410e-01],  
 [8.7163e+01, 4.2975e-02, 2.1183e+00],  
 [5.2881e-03, 5.5193e-09, 8.2765e-04],  
 [2.2272e+01, 1.3308e-02, 6.9213e-01],  
 [9.7077e+00, 4.4173e-03, 8.2662e-01],  
 [8.5839e-02, 7.1841e-06, 1.0403e-02],  
 [1.9748e-01, 1.1450e-05, 2.6077e-02],  
 [3.3051e+01, 2.9099e-01, 1.8734e+00],  
 [2.8019e-01, 2.3493e-05, 3.3750e-02],  
 [1.3305e-01, 5.5039e-06, 1.4485e-02],  
 [4.8537e+00, 4.5533e-03, 4.4494e-01],  
 [1.8737e+00, 6.0115e-04, 1.5553e-01],  
 [3.0224e-01, 6.8669e-06, 2.5231e-02],  
 [1.5693e+01, 6.1076e-03, 8.4087e-01],  
 [2.2545e-01, 1.7229e-05, 2.7159e-02],  
 [5.9145e-02, 5.8640e-07, 7.8659e-03],  
 [1.8239e-02, 1.6104e-07, 2.8248e-03],  
 [3.7225e+00, 1.1064e-02, 4.0316e-01],  
 [7.6702e+00, 1.9145e-02, 4.7995e-01],  
 [3.6007e+00, 9.5557e-03, 3.4337e-01],  
 [1.2422e+01, 6.9664e-02, 8.8953e-01],  
 [6.0939e-02, 1.2582e-06, 8.2344e-03],  
 [1.2512e-01, 1.6765e-05, 1.5210e-02],  
 [6.0790e+00, 3.1518e-04, 3.3291e-01],

```

[4.8504e+01, 5.9966e-01, 1.4332e+00],
[6.3266e+01, 3.4165e-01, 1.4208e+00],
[3.9438e+00, 4.2795e-03, 2.1403e-01],
[8.8912e+00, 3.0810e-02, 8.1341e-01]], dtype=torch.float64)
Iteration: 135
Inputs: tensor([[3.8779e+18, 2.0607e+02, 6.9595e+00, 9.9037e+00],
[6.0402e+20, 4.1389e+02, 4.8600e+00, 7.9183e+00],
[4.8481e+19, 4.4133e+02, 1.6043e+01, 1.3069e+00],
...,
[5.1630e+18, 2.9628e+02, 3.7758e+00, 9.0962e+00],
[3.7079e+20, 4.0389e+02, 1.7057e+01, 3.6017e+00],
[3.1288e+18, 1.3294e+02, 1.4313e+01, 2.3786e+00]], dtype=torch.float64)
Target: tensor([[8.8328e-01, 2.9791e-04, 7.5942e-02],
[2.2293e+02, 5.2431e+00, 3.9595e+00],
[5.5715e+00, 2.3186e-03, 4.6134e-01],
[1.6035e-02, 2.8673e-08, 2.4693e-03],
[1.7979e+00, 2.9419e-03, 1.8658e-01],
[4.6032e+01, 5.4629e-01, 1.5621e+00],
[4.2985e+00, 4.2881e-04, 3.6204e-01],
[3.0362e-01, 4.8986e-05, 4.1973e-02],
[1.1477e-01, 1.5241e-05, 1.5479e-02],
[1.0343e+00, 5.4762e-04, 8.6821e-02],
[2.6580e-03, 1.7722e-09, 4.2527e-04],
[2.7466e+01, 1.4522e-01, 1.8729e+00],
[3.1614e+00, 2.4108e-04, 1.7171e-01],
[2.4482e+00, 5.4050e-03, 2.8744e-01],
[2.5171e-03, 3.9105e-09, 3.9809e-04],
[7.9785e+01, 7.6000e-02, 2.2361e+00],
[4.3714e+01, 1.6735e-01, 1.2958e+00],
[5.1466e+01, 3.3645e-01, 1.9516e+00],
[1.2696e+00, 1.2480e-03, 1.3698e-01],
[4.6459e+01, 4.1802e-01, 1.3305e+00],
[2.0143e+02, 8.9217e+00, 4.8256e+00],
[7.6367e-01, 1.6666e-04, 7.7302e-02],
[3.4463e-01, 2.7782e-05, 3.6056e-02],
[3.0640e+00, 1.0958e-03, 1.7486e-01],
[6.8064e+01, 2.7302e-01, 1.2859e+00],
[1.8232e+02, 3.9051e+00, 3.5720e+00],
[7.4376e+01, 1.6881e+00, 2.1514e+00],
[6.0930e-03, 2.4019e-08, 9.6007e-04],
[8.2462e-01, 1.2971e-04, 7.3663e-02],
[2.4966e+00, 5.3459e-04, 1.3102e-01],
[3.0665e+02, 5.7040e+00, 4.8565e+00],
[3.4988e+00, 1.0132e-03, 2.6451e-01],
[3.5457e+01, 6.4654e-02, 1.8755e+00],
[9.6104e+00, 2.0741e-03, 7.2854e-01],
[7.4671e+01, 6.5837e-01, 2.6747e+00],
[5.0298e+00, 8.1091e-03, 2.6583e-01],

```

[1.9597e+00, 7.6680e-04, 1.8346e-01],  
 [5.3186e+01, 5.8825e-02, 2.8543e+00],  
 [7.8129e+01, 2.2284e-01, 1.9441e+00],  
 [1.6662e+01, 4.5922e-02, 1.0250e+00],  
 [3.5255e+01, 3.6575e-02, 9.2886e-01],  
 [5.5648e-01, 8.7969e-05, 6.3318e-02],  
 [7.3688e+00, 1.3354e-02, 4.2990e-01],  
 [3.9795e-02, 4.6203e-07, 5.6803e-03],  
 [6.4756e+01, 2.3517e-01, 3.3287e+00],  
 [4.3158e-01, 5.7303e-05, 3.6513e-02],  
 [1.8549e+02, 5.1888e+00, 4.4939e+00],  
 [7.9053e-01, 2.6512e-04, 9.0266e-02],  
 [6.2230e-01, 5.4808e-05, 8.6368e-02],  
 [2.9101e+01, 1.9921e-01, 1.0594e+00],  
 [3.1653e+02, 1.4256e+01, 4.8538e+00],  
 [1.0563e-02, 1.6548e-08, 1.6136e-03],  
 [2.0881e+02, 1.9513e+00, 3.8778e+00],  
 [1.7474e-01, 1.3519e-05, 2.2332e-02],  
 [9.1147e-01, 1.4776e-04, 7.5768e-02],  
 [3.3465e+01, 2.0251e-01, 1.0259e+00],  
 [1.0644e+02, 2.1497e+00, 3.2515e+00],  
 [7.5130e-02, 2.8172e-06, 1.0343e-02],  
 [8.0582e-01, 3.1917e-04, 8.3998e-02],  
 [1.5961e+01, 5.3970e-02, 1.4649e+00],  
 [3.0907e-01, 7.2381e-05, 4.5626e-02],  
 [1.1736e-01, 6.6915e-06, 1.6545e-02],  
 [8.9034e-02, 1.2927e-06, 1.2426e-02],  
 [3.6021e+01, 7.7472e-02, 2.0528e+00],  
 [2.1757e-02, 2.3911e-07, 3.1805e-03],  
 [1.5610e+02, 3.6594e+00, 3.7047e+00],  
 [2.4249e+01, 3.9211e-02, 1.1938e+00],  
 [7.6064e-01, 9.8567e-05, 7.8044e-02],  
 [5.4447e+00, 1.2200e-02, 3.0743e-01],  
 [4.4582e+00, 6.7906e-03, 4.7959e-01],  
 [1.1138e+01, 5.9947e-03, 6.7335e-01],  
 [8.6833e-01, 1.8252e-04, 7.2167e-02],  
 [1.3836e-01, 9.6783e-06, 1.8788e-02],  
 [3.5266e-01, 5.3289e-05, 3.4205e-02],  
 [9.3122e+01, 2.1500e-01, 3.9827e+00],  
 [2.5196e-02, 7.1317e-07, 3.7774e-03],  
 [6.0542e+01, 5.4684e-01, 2.5448e+00],  
 [3.3439e-01, 2.6899e-05, 4.6505e-02],  
 [5.4211e-01, 4.7186e-05, 4.1883e-02],  
 [4.5676e+00, 4.7536e-03, 2.3820e-01],  
 [8.0521e-03, 5.2281e-09, 1.2487e-03],  
 [9.3989e-01, 1.1311e-04, 8.7545e-02],  
 [2.6536e+00, 5.6849e-04, 1.2758e-01],  
 [4.3951e-01, 3.2924e-05, 4.7684e-02],

[9.1953e+00, 3.8513e-02, 5.7119e-01],  
 [4.4885e+00, 4.0408e-04, 3.0243e-01],  
 [9.0732e-01, 1.8729e-04, 1.0668e-01],  
 [8.6247e+01, 8.3391e-02, 3.8694e+00],  
 [1.4401e+02, 9.4958e-01, 2.8270e+00],  
 [1.4529e+00, 1.0467e-03, 1.1730e-01],  
 [8.2447e+00, 6.9491e-03, 5.8924e-01],  
 [3.7646e-01, 1.1138e-05, 4.1848e-02],  
 [2.0810e+01, 5.3903e-02, 5.4802e-01],  
 [6.8732e-01, 7.7196e-05, 9.3139e-02],  
 [8.5117e+01, 1.9639e-01, 2.5800e+00],  
 [5.0393e-02, 1.0601e-06, 7.0568e-03],  
 [2.4823e-02, 1.0416e-07, 3.6659e-03],  
 [1.9812e-01, 7.1047e-06, 2.0355e-02],  
 [2.8004e+01, 1.2651e-01, 1.0711e+00],  
 [3.6704e+01, 3.1838e-01, 1.7711e+00],  
 [2.2675e-01, 2.1109e-05, 2.8308e-02],  
 [1.4733e+02, 5.9985e-01, 3.1801e+00],  
 [6.8258e+01, 3.3134e-01, 2.6947e+00],  
 [7.2417e+00, 9.1549e-03, 3.1730e-01],  
 [2.3430e-01, 8.0860e-06, 2.4345e-02],  
 [1.6839e+01, 3.5928e-02, 5.4223e-01],  
 [4.3011e-02, 7.2369e-07, 5.6476e-03],  
 [9.1841e+01, 1.3086e+00, 2.3782e+00],  
 [5.7511e-02, 4.6124e-06, 8.0851e-03],  
 [3.6137e+01, 2.7781e-01, 1.4693e+00],  
 [4.2329e-01, 8.7878e-05, 4.4794e-02],  
 [1.0539e+02, 1.9783e+00, 2.7777e+00],  
 [2.3860e-01, 2.2364e-06, 3.2814e-02],  
 [1.6415e+00, 1.3272e-03, 1.6283e-01],  
 [6.9221e-02, 5.7912e-06, 1.0045e-02],  
 [1.9767e+01, 3.6880e-03, 6.6739e-01],  
 [6.4643e-01, 6.3947e-05, 6.1703e-02],  
 [6.3410e-01, 7.2814e-05, 4.1623e-02],  
 [1.7968e-01, 6.6938e-06, 2.0102e-02],  
 [1.1448e+01, 1.2963e-02, 4.2712e-01],  
 [8.1114e+01, 3.3716e-01, 3.1286e+00],  
 [3.0619e-01, 7.0468e-07, 2.8709e-02],  
 [4.7981e+01, 4.4634e-01, 1.3442e+00],  
 [4.3737e+00, 1.2314e-03, 1.7768e-01],  
 [4.3252e+01, 3.6843e-01, 1.0757e+00],  
 [5.9544e+01, 1.4158e-01, 1.8235e+00],  
 [5.1578e-02, 5.8285e-07, 7.0749e-03],  
 [8.4215e-02, 2.6259e-06, 1.2491e-02],  
 [1.9892e+02, 8.1567e+00, 4.1908e+00],  
 [2.9721e-01, 7.7751e-05, 3.2990e-02],  
 [5.6802e+01, 1.5228e-01, 1.8324e+00],  
 [9.6631e+01, 2.5201e+00, 2.4233e+00],

[4.7008e-04, 6.6271e-11, 7.6722e-05],  
 [6.6598e-01, 3.8252e-05, 8.0017e-02],  
 [1.9129e+01, 4.0447e-02, 1.1015e+00],  
 [4.0088e-01, 7.8640e-05, 3.8562e-02],  
 [1.5289e+01, 3.7685e-02, 6.9745e-01],  
 [1.0043e+00, 1.7829e-04, 7.6834e-02],  
 [2.6079e+01, 1.2452e-01, 7.8489e-01],  
 [2.1110e+01, 8.9453e-02, 8.4307e-01],  
 [3.8315e-02, 3.3493e-07, 5.2310e-03],  
 [2.2861e+01, 7.0375e-02, 9.9819e-01],  
 [3.3736e+00, 2.3411e-03, 2.3529e-01],  
 [8.5407e+01, 2.8325e-01, 4.0385e+00],  
 [7.1509e-01, 2.6647e-04, 6.1578e-02],  
 [9.5981e+01, 4.0841e-01, 3.8336e+00],  
 [7.2966e-01, 1.2457e-04, 8.1308e-02],  
 [6.7492e+00, 2.0445e-02, 4.0733e-01],  
 [2.5880e-01, 2.6327e-06, 3.3372e-02],  
 [3.6947e+00, 7.3339e-03, 2.6229e-01],  
 [4.2151e-01, 3.0372e-05, 3.6797e-02],  
 [5.1305e-02, 1.8926e-06, 7.3087e-03],  
 [1.1087e+01, 1.5227e-02, 4.1590e-01],  
 [1.5800e+00, 1.6270e-04, 1.6530e-01],  
 [1.2768e+02, 2.4353e+00, 2.9674e+00],  
 [8.1377e+00, 9.2323e-03, 5.1768e-01],  
 [4.9464e+00, 1.3792e-02, 6.3119e-01],  
 [3.2199e-02, 6.3629e-07, 4.8426e-03],  
 [7.6472e-01, 1.5678e-04, 6.6944e-02],  
 [3.4040e-01, 3.8639e-05, 3.4544e-02],  
 [1.5620e+00, 2.8551e-04, 9.7735e-02],  
 [1.1193e+01, 2.6219e-03, 6.8627e-01],  
 [4.5069e-02, 2.5881e-06, 6.2736e-03],  
 [6.0682e+00, 2.2904e-02, 5.5051e-01],  
 [8.9207e-02, 4.6052e-06, 1.3174e-02],  
 [2.3911e-02, 1.0258e-07, 3.6818e-03],  
 [7.6051e+00, 1.6654e-02, 3.7485e-01],  
 [2.6427e+00, 1.0201e-02, 3.2421e-01],  
 [4.3088e-01, 6.3192e-05, 5.8887e-02],  
 [1.3505e-01, 1.1871e-05, 1.6682e-02],  
 [2.8348e+00, 4.0980e-03, 2.2335e-01],  
 [5.2431e+01, 2.8926e-01, 1.9294e+00],  
 [1.7986e+02, 5.2380e+00, 4.6912e+00],  
 [1.9623e+02, 1.5046e-01, 3.5561e+00],  
 [2.0652e-02, 2.9181e-07, 2.9362e-03],  
 [1.1535e-01, 3.3815e-06, 1.6629e-02],  
 [3.0609e+01, 9.6405e-02, 9.8026e-01],  
 [4.2558e+00, 7.3180e-03, 2.9726e-01],  
 [2.6907e+00, 3.4286e-03, 2.4173e-01],  
 [1.2565e+00, 1.8961e-03, 1.5100e-01],

[2.4210e+02, 9.2861e+00, 4.6902e+00],  
 [1.0784e+02, 6.4153e-01, 2.6913e+00],  
 [2.2457e+00, 3.5290e-03, 2.5209e-01],  
 [5.8541e+00, 7.8572e-03, 4.4407e-01],  
 [1.0057e-01, 4.9588e-06, 1.3126e-02],  
 [5.3928e+00, 6.9713e-03, 3.5638e-01],  
 [9.9092e-01, 6.0371e-04, 1.0353e-01],  
 [1.0539e-01, 2.9443e-06, 1.2171e-02],  
 [1.6247e+01, 3.4946e-02, 9.0290e-01],  
 [8.3617e+01, 1.1506e+00, 2.2281e+00],  
 [1.2575e+01, 1.3546e-02, 8.7909e-01],  
 [1.3311e+00, 2.3398e-04, 8.7258e-02],  
 [1.7119e+00, 1.9219e-03, 1.6944e-01],  
 [4.5675e+00, 7.3924e-03, 4.0539e-01],  
 [7.2778e-02, 8.5254e-07, 9.9954e-03],  
 [1.0454e+02, 2.0900e-01, 1.8492e+00],  
 [4.8226e-01, 7.5680e-05, 5.5244e-02],  
 [1.8817e+01, 6.0645e-02, 8.6856e-01],  
 [7.1556e+00, 9.3017e-04, 4.3908e-01],  
 [2.3699e-01, 1.0234e-05, 2.2961e-02],  
 [1.2379e+02, 1.0964e+00, 3.5834e+00],  
 [2.9335e+00, 3.6043e-04, 2.1740e-01],  
 [4.9635e-01, 3.0159e-05, 6.1942e-02],  
 [7.9637e-01, 1.5569e-04, 6.0324e-02],  
 [1.2653e-02, 2.2736e-08, 2.0248e-03],  
 [3.8351e+01, 1.6886e-01, 1.9068e+00],  
 [3.0501e+01, 2.5348e-01, 1.4013e+00],  
 [2.0490e+01, 2.2022e-02, 8.9550e-01],  
 [2.6068e+01, 1.1866e-01, 1.3069e+00],  
 [9.2958e+01, 1.3327e+00, 2.0389e+00],  
 [1.1070e+01, 4.4971e-02, 9.5373e-01],  
 [1.5037e+01, 1.1502e-02, 9.5029e-01],  
 [2.8013e+02, 1.0660e+01, 4.6741e+00],  
 [5.8848e+01, 6.0648e-01, 2.7879e+00],  
 [1.7328e+01, 7.5599e-02, 8.6264e-01],  
 [2.6279e+00, 3.9027e-03, 3.4203e-01],  
 [1.6753e+00, 1.8157e-03, 1.8567e-01],  
 [1.2510e+01, 5.6281e-02, 5.8959e-01],  
 [8.6430e+01, 3.9160e-01, 3.7641e+00],  
 [1.8843e+02, 1.0468e+01, 4.1526e+00],  
 [2.2512e+02, 1.3313e+01, 5.0508e+00],  
 [7.0111e+01, 3.1608e-01, 2.3101e+00],  
 [6.1267e+00, 1.3085e-02, 4.1095e-01],  
 [2.9401e+00, 1.5668e-03, 1.7705e-01],  
 [1.9843e+01, 4.0860e-02, 6.1592e-01],  
 [1.2468e+02, 3.1858e+00, 3.0061e+00],  
 [8.0779e+01, 7.2251e-01, 3.7656e+00],  
 [1.3662e-01, 2.0584e-06, 1.5988e-02],

[1.6525e+01, 5.9270e-02, 7.6939e-01],  
 [2.4346e+00, 4.9722e-04, 1.4335e-01],  
 [1.0336e+00, 1.2636e-04, 7.8221e-02],  
 [2.3571e+01, 2.4602e-02, 1.3103e+00],  
 [6.1388e+00, 5.2307e-03, 5.6425e-01],  
 [2.3239e-01, 1.3065e-05, 2.7137e-02],  
 [3.1749e+00, 3.1859e-03, 2.2084e-01],  
 [4.1014e-01, 6.6667e-05, 4.9164e-02],  
 [2.9986e-01, 5.9895e-05, 3.8852e-02],  
 [1.5963e+01, 3.6368e-02, 1.2239e+00],  
 [6.4974e+01, 1.1927e+00, 2.7876e+00],  
 [5.8073e-01, 2.8052e-05, 5.0406e-02],  
 [3.6470e-01, 4.2195e-05, 3.8365e-02],  
 [1.3764e+01, 1.1549e-02, 1.0330e+00],  
 [1.3025e+00, 1.1023e-04, 9.7171e-02],  
 [1.5427e+00, 1.4631e-03, 1.4315e-01],  
 [2.0556e+01, 2.1408e-01, 8.8573e-01],  
 [5.7861e+00, 4.7753e-03, 5.3751e-01],  
 [5.0613e+00, 3.4727e-03, 5.9236e-01],  
 [1.7263e+02, 2.0141e+00, 3.4947e+00],  
 [1.1357e+00, 2.4924e-04, 7.2344e-02],  
 [7.4335e+01, 7.3620e-01, 2.8380e+00],  
 [2.9407e+00, 1.4438e-03, 1.9080e-01],  
 [7.0772e+00, 7.5714e-03, 3.2739e-01],  
 [3.9496e-02, 4.4074e-07, 5.4240e-03],  
 [2.4299e+01, 5.6215e-02, 6.2225e-01],  
 [4.5692e+01, 2.6268e-01, 2.1190e+00],  
 [7.3994e+01, 5.0810e-01, 1.7298e+00],  
 [3.2405e+01, 1.5938e-02, 1.2295e+00],  
 [4.5379e-01, 6.2823e-05, 4.9002e-02],  
 [7.9012e+01, 1.2641e-01, 2.0104e+00],  
 [1.0319e+01, 2.4181e-02, 1.0505e+00],  
 [4.4943e+00, 1.1575e-02, 5.0124e-01],  
 [1.0332e+02, 1.6414e+00, 2.8154e+00],  
 [2.2527e+01, 8.2474e-02, 9.9954e-01],  
 [2.2580e+00, 7.5264e-04, 1.7014e-01],  
 [2.9734e+01, 5.4458e-02, 1.3085e+00],  
 [1.4348e+02, 3.8156e+00, 4.2063e+00],  
 [1.2637e-01, 1.2851e-05, 1.6422e-02],  
 [2.7180e+01, 6.3541e-02, 1.0742e+00],  
 [7.1705e+00, 7.3866e-03, 3.9295e-01],  
 [2.7237e+01, 5.8936e-02, 9.7433e-01],  
 [3.5628e+00, 3.3471e-03, 2.3889e-01],  
 [1.5348e+01, 1.2243e-01, 1.3736e+00],  
 [1.2009e-02, 1.3427e-07, 1.8496e-03],  
 [7.2604e-01, 7.7011e-05, 1.0791e-01],  
 [5.1028e-01, 1.4143e-04, 5.8415e-02],  
 [3.9849e+01, 3.7440e-01, 2.2067e+00],



```

[2.8711e+02, 4.0956e+00, 4.5153e+00],
[3.1465e+01, 3.4694e-01, 1.8417e+00],
[6.2350e+01, 3.3105e-01, 1.8688e+00],
[4.1849e+01, 2.8586e-01, 2.0131e+00],
[7.3115e+01, 2.6700e-01, 2.8126e+00],
[5.0135e-01, 2.7059e-06, 4.2420e-02],
[1.8319e+01, 4.4479e-02, 9.5264e-01],
[1.3797e+01, 2.0796e-02, 8.1927e-01],
[6.5407e+01, 3.7714e-01, 3.0650e+00],
[8.9374e-01, 3.4086e-04, 9.9985e-02],
[6.9097e+01, 6.2290e-01, 1.7014e+00],
[7.2419e+01, 1.1461e-01, 2.1048e+00],
[2.1019e-01, 8.6198e-06, 2.8208e-02],
[4.3928e+00, 1.7594e-03, 2.3281e-01],
[1.9297e+00, 1.1085e-04, 1.2367e-01],
[1.6381e-01, 1.4381e-05, 1.9282e-02],
[1.4477e-01, 1.4280e-06, 1.9350e-02],
[2.2042e+01, 9.4079e-02, 7.0825e-01],
[6.6504e-01, 6.4062e-05, 5.7438e-02],
[3.7110e+01, 1.0199e-01, 1.3944e+00],
[1.6947e+00, 2.6607e-04, 1.0740e-01],
[3.8808e+00, 4.1020e-03, 2.3412e-01],
[8.3397e-02, 3.8533e-06, 1.0107e-02],
[7.7311e+01, 4.6624e-01, 2.5081e+00],
[1.4100e+01, 8.5013e-02, 6.1288e-01],
[2.2866e+00, 1.0276e-03, 1.5236e-01],
[8.881e+00, 3.8468e-02, 8.8110e-01],
[7.2821e-01, 1.4840e-04, 8.9924e-02],
[2.5810e+01, 5.2196e-02, 8.4777e-01],
[5.4590e+00, 8.0016e-04, 2.1599e-01],
[1.0938e+00, 4.4760e-04, 9.7609e-02],
[5.5365e+01, 9.3341e-01, 2.1018e+00],
[1.9273e+01, 4.4980e-02, 7.6755e-01],
[3.0074e-01, 1.6155e-05, 3.0112e-02],
[3.3929e-03, 1.1165e-08, 5.3719e-04],
[1.7070e+01, 6.0797e-02, 1.4279e+00],
[5.5495e-01, 2.2925e-05, 5.9186e-02],
[5.4256e+01, 4.9605e-01, 1.6949e+00],
[2.3605e+00, 6.5064e-04, 1.4842e-01],
[2.7259e+00, 9.0638e-04, 1.3045e-01],
[4.0799e-02, 2.5783e-07, 5.8296e-03],
[2.5868e+00, 1.1349e-03, 1.4999e-01],
[6.8606e+01, 4.9371e-01, 2.6640e+00],
[2.3553e-02, 1.4340e-07, 3.5368e-03]], dtype=torch.float64)

```

Iteration: 136

```

Inputs: tensor([[2.0775e+19, 2.3194e+02, 1.7302e+01, 5.7068e+00],
                [2.7839e+19, 3.2733e+02, 1.2548e+01, 4.5873e+00],
                [2.7443e+20, 3.3694e+02, 1.1823e+01, 9.2608e+00],

```

```

...,
[5.8026e+20, 4.1789e+02, 1.2999e+00, 7.3010e+00],
[6.0825e+18, 4.1502e+02, 1.6946e+01, 4.0976e+00],
[8.2027e+18, 3.1990e+02, 3.6694e+00, 3.8088e+00]], dtype=torch.float64)
Target: tensor([[3.5805e+00, 4.3480e-03, 2.8624e-01],
[8.7254e+00, 1.0977e-02, 4.9407e-01],
[9.4977e+01, 2.0566e+00, 2.4894e+00],
[5.3253e+00, 3.5514e-03, 4.9631e-01],
[5.1219e-02, 8.1566e-07, 7.0042e-03],
[9.9735e-01, 1.0475e-04, 8.1833e-02],
[1.0152e+00, 8.4978e-05, 1.1627e-01],
[5.4800e-02, 1.6368e-06, 7.3649e-03],
[7.4555e-02, 2.4603e-06, 9.0549e-03],
[4.9110e-02, 7.6911e-07, 6.5430e-03],
[1.3375e+01, 3.9585e-02, 1.3527e+00],
[8.5206e+00, 2.0942e-02, 9.5062e-01],
[7.8637e-01, 1.9012e-04, 7.9061e-02],
[3.6852e+00, 3.0541e-03, 2.2576e-01],
[1.0961e+02, 2.4923e+00, 3.0310e+00],
[3.0985e+01, 4.2916e-02, 1.8907e+00],
[2.0764e+00, 4.9149e-04, 1.1135e-01],
[1.2868e+00, 5.7072e-04, 1.3866e-01],
[4.0727e+01, 5.3442e-01, 2.5405e+00],
[1.8127e+01, 9.0858e-02, 7.4833e-01],
[2.3612e-01, 3.6527e-05, 2.7736e-02],
[2.5880e-01, 3.3668e-05, 3.5150e-02],
[3.5038e+01, 1.1999e-01, 1.7183e+00],
[2.7783e+00, 2.9169e-03, 1.7907e-01],
[1.0323e+01, 1.5988e-02, 4.7946e-01],
[1.4102e+00, 1.7392e-04, 9.1924e-02],
[1.3927e+01, 1.5233e-02, 7.9145e-01],
[4.7321e+01, 1.3385e-01, 1.3631e+00],
[1.0706e-01, 6.7892e-06, 1.4086e-02],
[5.4614e+01, 5.6518e-01, 1.2289e+00],
[7.2958e+01, 1.1505e+00, 1.9300e+00],
[2.2555e-01, 1.5988e-05, 3.2387e-02],
[1.3234e-01, 1.4736e-05, 1.7030e-02],
[2.5202e+00, 1.2064e-03, 1.8916e-01],
[2.6683e-01, 2.5022e-05, 3.6009e-02],
[3.8346e+00, 9.3995e-03, 4.0929e-01],
[6.9122e+00, 1.3775e-02, 4.9060e-01],
[2.4525e+01, 5.8762e-02, 9.0134e-01],
[6.0327e+00, 2.2190e-03, 5.6179e-01],
[3.6311e-01, 2.3648e-05, 4.2450e-02],
[4.6861e-01, 7.4477e-05, 4.4841e-02],
[4.2391e-01, 6.3986e-05, 4.4963e-02],
[3.7250e+01, 1.9325e-01, 1.9835e+00],
[7.2390e+00, 1.6337e-02, 4.9480e-01],

```

[9.7066e-01, 1.9591e-04, 7.0134e-02],  
[9.4452e+01, 3.8702e-01, 2.3609e+00],  
[1.2040e+02, 5.5520e-01, 4.2373e+00],  
[1.1911e+02, 6.2317e-01, 3.1682e+00],  
[2.3713e+01, 1.5323e-01, 9.5173e-01],  
[5.0350e-01, 3.4400e-05, 3.4741e-02],  
[2.6600e+01, 4.4493e-02, 8.3370e-01],  
[2.3645e+01, 1.6678e-01, 9.2151e-01],  
[1.4242e+01, 4.5032e-02, 5.5884e-01],  
[3.3122e-02, 7.1717e-07, 4.6212e-03],  
[3.7180e-01, 2.5609e-05, 4.3977e-02],  
[4.8269e+01, 1.6886e-01, 2.1275e+00],  
[1.8774e+00, 3.7533e-04, 1.4064e-01],  
[4.3857e+01, 4.5475e-01, 1.8162e+00],  
[1.0483e+01, 1.0956e-01, 1.1113e+00],  
[5.2621e+01, 4.6972e-01, 1.5357e+00],  
[6.3650e+01, 5.4610e-01, 1.7380e+00],  
[8.6067e-03, 7.4261e-08, 1.3554e-03],  
[1.7061e+01, 8.1052e-02, 6.2895e-01],  
[3.9442e+00, 3.7586e-03, 3.4534e-01],  
[2.0940e-01, 7.8731e-06, 2.0616e-02],  
[7.4173e+01, 7.2219e-01, 2.0364e+00],  
[4.8306e+01, 3.9807e-02, 2.5401e+00],  
[1.3919e+00, 2.3522e-04, 1.1075e-01],  
[6.0633e+01, 5.5694e-01, 2.2888e+00],  
[2.4652e+00, 1.0057e-03, 1.8732e-01],  
[1.4799e+01, 7.2430e-03, 7.4387e-01],  
[1.4430e-02, 2.0897e-08, 2.1651e-03],  
[1.8659e-01, 5.6564e-06, 2.5383e-02],  
[1.9753e+01, 4.2838e-02, 1.5835e+00],  
[3.9146e+00, 2.6117e-03, 3.0185e-01],  
[6.8186e+00, 1.1283e-02, 5.4928e-01],  
[6.8182e-01, 2.3586e-04, 6.0685e-02],  
[1.1595e+02, 2.4431e+00, 3.1344e+00],  
[5.6828e+01, 5.1220e-01, 2.9899e+00],  
[2.6190e+01, 1.0066e-01, 1.9023e+00],  
[3.4717e+00, 5.7126e-04, 1.8423e-01],  
[4.3897e+01, 3.8825e-01, 1.7246e+00],  
[2.2040e-04, 1.1984e-11, 3.6226e-05],  
[1.0479e+00, 5.7803e-04, 9.4282e-02],  
[1.8163e+00, 9.4041e-04, 1.1667e-01],  
[1.1438e+01, 3.1766e-02, 4.3565e-01],  
[4.0365e+00, 1.9883e-03, 2.7980e-01],  
[3.7121e-01, 2.7771e-05, 3.9945e-02],  
[1.8687e+01, 8.6331e-02, 7.6934e-01],  
[3.5999e+00, 3.4820e-05, 1.7723e-01],  
[3.0142e-01, 3.0522e-05, 2.5486e-02],  
[1.0374e+02, 5.8819e-01, 2.7436e+00],

[1.1877e+01, 1.2746e-01, 1.0721e+00],  
 [2.9611e-01, 5.3241e-05, 4.1167e-02],  
 [8.0007e-01, 1.0957e-04, 8.2730e-02],  
 [4.0077e-01, 1.3195e-04, 4.9988e-02],  
 [7.5901e+01, 2.6930e-01, 1.3138e+00],  
 [2.2175e+01, 1.2157e-01, 1.6383e+00],  
 [3.9963e+01, 2.6586e-02, 2.2069e+00],  
 [1.8099e+01, 2.5809e-02, 1.3946e+00],  
 [4.2474e+01, 1.5430e-01, 2.9481e+00],  
 [4.0971e+01, 7.1815e-01, 2.7117e+00],  
 [1.6548e-01, 4.4068e-06, 1.7252e-02],  
 [2.8848e-01, 3.0346e-05, 4.0034e-02],  
 [5.3523e+01, 5.0346e-01, 2.2717e+00],  
 [6.0824e+01, 2.0023e-01, 2.0016e+00],  
 [1.0856e+00, 2.1304e-04, 1.0421e-01],  
 [2.0143e-03, 2.0209e-09, 3.2569e-04],  
 [2.1442e+00, 2.3529e-03, 2.0094e-01],  
 [2.9570e+00, 1.9605e-03, 1.9531e-01],  
 [2.2289e+01, 1.3681e-01, 1.4741e+00],  
 [4.7279e+00, 4.2374e-03, 4.2304e-01],  
 [4.6307e-01, 5.4961e-05, 3.8061e-02],  
 [6.4944e-01, 2.6303e-04, 8.3349e-02],  
 [2.6076e-01, 4.0422e-05, 2.8581e-02],  
 [2.5716e+00, 1.8248e-03, 2.1399e-01],  
 [9.7075e+01, 4.7239e-01, 2.0400e+00],  
 [9.6336e-01, 6.4059e-04, 1.1741e-01],  
 [1.4611e+01, 1.7312e-02, 7.2116e-01],  
 [2.3604e+01, 2.9560e-02, 1.0535e+00],  
 [8.2461e+01, 1.6892e+00, 2.9473e+00],  
 [2.6705e+02, 6.6181e+00, 4.6138e+00],  
 [9.1350e-02, 2.4266e-06, 1.1682e-02],  
 [3.7585e-01, 3.7678e-05, 5.1009e-02],  
 [7.1764e+01, 4.3654e-01, 3.4255e+00],  
 [4.1336e-02, 7.7274e-07, 5.5886e-03],  
 [2.7203e+01, 8.3869e-02, 1.1486e+00],  
 [3.4914e+00, 4.0751e-03, 2.9683e-01],  
 [1.3062e+02, 1.9521e+00, 2.8089e+00],  
 [1.2575e+01, 5.5279e-03, 4.5697e-01],  
 [2.1982e-01, 1.8703e-06, 2.3800e-02],  
 [3.4503e+00, 2.7947e-03, 2.6787e-01],  
 [2.6851e+00, 4.3388e-04, 2.1575e-01],  
 [2.7119e+01, 1.1895e-02, 1.3425e+00],  
 [3.3888e-02, 3.2608e-07, 5.0778e-03],  
 [2.4871e-01, 1.2832e-05, 2.6009e-02],  
 [1.3297e+02, 1.8353e+00, 3.7352e+00],  
 [3.1284e+01, 1.0458e-01, 1.0247e+00],  
 [4.5869e+01, 5.5248e-01, 1.3461e+00],  
 [6.1333e-02, 1.2402e-06, 7.7963e-03],

[1.2378e+01, 3.9351e-02, 6.3765e-01],  
 [1.6846e+02, 1.4070e+00, 3.9132e+00],  
 [3.0981e-02, 3.3374e-07, 4.6328e-03],  
 [2.2024e-01, 6.2562e-06, 2.5964e-02],  
 [3.8394e+00, 2.6906e-03, 4.5765e-01],  
 [5.5161e+01, 3.3844e-01, 2.6488e+00],  
 [1.3520e+01, 4.4564e-02, 1.3358e+00],  
 [4.2370e-02, 1.5573e-06, 5.7512e-03],  
 [7.9633e+01, 7.8285e-01, 2.8873e+00],  
 [8.1752e-03, 5.2993e-08, 1.2594e-03],  
 [1.5616e+01, 3.5604e-02, 5.7559e-01],  
 [3.0252e+01, 2.1489e-01, 9.8277e-01],  
 [8.4545e-01, 2.9440e-04, 8.6438e-02],  
 [1.0848e+00, 2.6346e-05, 9.9673e-02],  
 [1.9342e+00, 1.4721e-03, 1.8757e-01],  
 [3.2750e+00, 1.1962e-03, 4.3083e-01],  
 [2.6147e+00, 1.1106e-03, 3.0057e-01],  
 [4.3667e+00, 3.4322e-03, 2.0841e-01],  
 [1.5329e-01, 7.6307e-06, 1.6874e-02],  
 [8.7830e+00, 1.1595e-02, 5.7911e-01],  
 [1.5467e+01, 6.7870e-02, 1.1788e+00],  
 [1.0766e+01, 1.2245e-02, 5.6233e-01],  
 [2.2243e+01, 3.3536e-02, 1.8256e+00],  
 [6.8323e+01, 4.9469e-01, 2.3740e+00],  
 [1.7334e+02, 3.9014e+00, 3.9687e+00],  
 [5.5086e+01, 4.0784e-01, 2.0289e+00],  
 [6.3419e-01, 2.5544e-04, 5.5920e-02],  
 [2.9844e+01, 3.6620e-01, 1.4057e+00],  
 [6.7462e-02, 3.9601e-06, 9.4299e-03],  
 [4.4979e-02, 3.3190e-07, 6.5307e-03],  
 [2.4306e-01, 9.1924e-06, 3.1097e-02],  
 [4.7629e+00, 4.2509e-03, 4.3633e-01],  
 [3.8980e-03, 2.0148e-09, 6.2203e-04],  
 [4.2943e+01, 1.7093e-01, 1.1245e+00],  
 [1.0413e+02, 1.0993e+00, 2.8467e+00],  
 [1.6560e+01, 4.6276e-02, 5.1448e-01],  
 [4.5721e+01, 5.5876e-01, 2.3415e+00],  
 [1.3854e+01, 5.2896e-03, 1.1670e+00],  
 [2.3075e+00, 3.5162e-03, 2.6106e-01],  
 [1.8123e+00, 1.8419e-04, 1.4874e-01],  
 [6.1382e-01, 8.9534e-05, 6.7794e-02],  
 [6.9546e+00, 1.4471e-02, 5.4970e-01],  
 [9.8086e-03, 1.7933e-09, 1.4817e-03],  
 [6.1805e-01, 1.6339e-04, 8.9936e-02],  
 [1.9513e+01, 7.8577e-02, 6.8687e-01],  
 [7.4498e+01, 1.1900e+00, 2.1735e+00],  
 [4.1783e-01, 1.3664e-05, 4.9979e-02],  
 [2.8957e+01, 2.0037e-01, 1.2971e+00],

[2.5032e+00, 1.3403e-03, 2.0148e-01],  
 [2.2939e-01, 4.3528e-05, 2.7533e-02],  
 [1.8188e+02, 2.4023e+00, 3.5336e+00],  
 [3.0785e-01, 5.4477e-05, 3.4527e-02],  
 [2.0505e+02, 1.1534e+01, 4.3303e+00],  
 [6.0645e-03, 1.4229e-08, 9.3638e-04],  
 [1.7688e+01, 1.0402e-01, 8.9565e-01],  
 [2.3857e+00, 1.6732e-03, 1.9381e-01],  
 [2.4311e+02, 3.1448e+00, 3.9362e+00],  
 [9.6642e+00, 6.7575e-02, 7.7634e-01],  
 [2.1658e-01, 2.6678e-05, 2.3853e-02],  
 [1.2263e+01, 1.6931e-02, 5.3169e-01],  
 [3.0973e+01, 1.9286e-01, 1.5323e+00],  
 [9.1263e+01, 2.6303e+00, 3.7468e+00],  
 [2.8022e-01, 1.0927e-06, 3.1722e-02],  
 [4.8833e+00, 4.4901e-03, 2.3082e-01],  
 [1.8433e-03, 1.0240e-09, 2.9422e-04],  
 [4.8644e+01, 3.8578e-01, 1.9826e+00],  
 [1.7303e+00, 1.2722e-03, 1.6641e-01],  
 [5.5859e-01, 1.7078e-04, 4.8837e-02],  
 [4.2024e+01, 1.9596e-01, 1.5805e+00],  
 [1.6288e+00, 1.9086e-03, 1.8613e-01],  
 [2.6959e-03, 1.0571e-08, 4.3328e-04],  
 [1.6719e+01, 1.2853e-02, 5.7619e-01],  
 [4.0083e+01, 4.9150e-01, 1.2175e+00],  
 [3.5807e+00, 4.4069e-03, 2.8427e-01],  
 [5.0383e-01, 1.2583e-04, 4.9124e-02],  
 [2.1157e+01, 9.8702e-02, 8.8061e-01],  
 [2.3980e+01, 2.5201e-01, 1.1254e+00],  
 [7.9584e-02, 2.7449e-06, 1.0503e-02],  
 [1.5439e+00, 1.3394e-03, 1.6671e-01],  
 [2.5987e-02, 4.5771e-07, 4.0343e-03],  
 [2.9871e+01, 3.0039e-01, 1.1196e+00],  
 [1.2954e-01, 6.4562e-07, 1.7756e-02],  
 [4.7956e+00, 6.0854e-03, 3.4730e-01],  
 [7.5846e+00, 2.2510e-03, 6.0224e-01],  
 [6.2510e+00, 6.0775e-03, 2.9249e-01],  
 [8.4585e+00, 9.8259e-03, 6.7473e-01],  
 [3.0707e-01, 2.9126e-05, 3.8445e-02],  
 [6.8510e-02, 3.9079e-06, 8.6435e-03],  
 [4.0830e+00, 1.7952e-03, 4.3218e-01],  
 [5.0512e+00, 4.5996e-04, 2.6608e-01],  
 [9.0699e+00, 2.6303e-02, 4.2503e-01],  
 [5.7049e+01, 6.9426e-01, 1.4360e+00],  
 [1.7057e-02, 1.5619e-07, 2.5916e-03],  
 [1.9059e-01, 7.7764e-06, 2.2235e-02],  
 [1.1107e+00, 8.8329e-05, 7.2599e-02],  
 [4.5317e-02, 3.4308e-07, 6.4940e-03],

[8.1761e-01, 5.4444e-04, 9.9329e-02],  
 [1.5747e+00, 3.6422e-05, 1.5437e-01],  
 [9.4477e+01, 7.1084e-01, 2.9533e+00],  
 [4.3773e-02, 1.2252e-07, 5.8516e-03],  
 [5.0961e-02, 1.0245e-06, 6.6229e-03],  
 [1.4005e+00, 8.7351e-05, 1.2051e-01],  
 [1.4737e+00, 4.9312e-04, 8.7979e-02],  
 [2.2974e+01, 1.2947e-01, 1.1568e+00],  
 [1.1179e-01, 7.5483e-06, 1.3901e-02],  
 [4.5509e+00, 8.0511e-03, 3.5584e-01],  
 [4.4829e+00, 2.5988e-02, 4.6654e-01],  
 [4.5305e-02, 9.4645e-07, 6.3255e-03],  
 [8.9870e+01, 6.7707e-02, 1.8429e+00],  
 [4.0316e-01, 5.4546e-05, 5.1010e-02],  
 [2.0250e+02, 4.9282e+00, 4.3833e+00],  
 [5.4376e-02, 5.3187e-07, 8.4516e-03],  
 [1.4522e-01, 5.6258e-07, 1.6996e-02],  
 [2.5596e+00, 1.1805e-03, 2.1621e-01],  
 [6.2962e-03, 1.0632e-08, 9.7378e-04],  
 [1.0387e+02, 2.8406e+00, 2.4402e+00],  
 [7.2859e+01, 5.4757e-01, 1.8758e+00],  
 [3.0600e+01, 4.4735e-02, 7.2950e-01],  
 [2.3381e+01, 2.6415e-02, 7.7130e-01],  
 [1.0022e+02, 9.6489e-01, 2.2198e+00],  
 [6.7017e-02, 2.4787e-06, 9.8711e-03],  
 [2.7504e+00, 1.4496e-03, 2.1882e-01],  
 [5.6415e+01, 4.3402e-01, 1.4598e+00],  
 [1.7083e+02, 3.0516e+00, 4.0508e+00],  
 [1.5070e+00, 5.0704e-03, 1.9904e-01],  
 [1.0242e+00, 1.6171e-04, 1.2780e-01],  
 [2.7663e+02, 2.9293e+00, 4.8417e+00],  
 [7.0597e-01, 1.6978e-04, 6.3383e-02],  
 [9.6832e-02, 2.9854e-06, 1.2453e-02],  
 [3.1471e+00, 1.1622e-04, 1.9625e-01],  
 [3.5371e+00, 6.9798e-04, 4.1080e-01],  
 [2.3302e+00, 6.1545e-04, 1.6604e-01],  
 [3.6320e-01, 1.9748e-05, 4.0044e-02],  
 [5.4754e-01, 8.4661e-06, 5.6263e-02],  
 [8.4758e+00, 5.0667e-03, 3.9570e-01],  
 [2.7545e+00, 4.5873e-03, 3.0389e-01],  
 [1.3952e+02, 4.2966e+00, 3.6934e+00],  
 [1.2762e-01, 2.0532e-05, 1.7623e-02],  
 [6.3486e+01, 5.3453e-01, 2.3312e+00],  
 [1.7175e+00, 6.0647e-05, 1.0112e-01],  
 [1.1556e+02, 3.1963e-01, 3.9639e+00],  
 [3.3277e+00, 1.7533e-03, 2.3633e-01],  
 [9.4697e+00, 4.5300e-03, 5.2209e-01],  
 [4.2993e-02, 7.9183e-07, 6.4163e-03],

```

[2.2647e-01, 5.3281e-06, 2.5866e-02],
[9.7203e+01, 2.2114e+00, 2.7519e+00],
[2.5080e+00, 2.5927e-03, 1.7263e-01],
[7.4126e+00, 5.1522e-03, 3.1299e-01],
[1.9459e-02, 4.1634e-08, 2.8984e-03],
[1.9519e+00, 6.2661e-04, 1.7755e-01],
[1.7684e+00, 1.5775e-03, 1.3482e-01],
[7.4975e-01, 1.2955e-04, 6.9082e-02],
[1.3467e-01, 1.2140e-05, 1.6033e-02],
[1.8344e-01, 1.4387e-05, 2.2044e-02],
[1.2085e-01, 7.3219e-06, 1.6414e-02],
[2.0641e-01, 4.1722e-06, 2.6627e-02],
[9.4238e-01, 4.8272e-04, 1.1619e-01],
[6.0775e+00, 1.9891e-03, 2.7415e-01],
[7.2923e-02, 9.7332e-07, 8.8721e-03],
[3.6888e-01, 2.9245e-05, 3.3161e-02],
[5.9037e-02, 1.8087e-06, 7.6798e-03],
[1.8303e-02, 8.8702e-08, 2.8269e-03],
[1.2250e+01, 3.5134e-02, 4.9380e-01],
[4.1849e+01, 1.6507e-01, 2.7934e+00],
[4.3523e+01, 3.8334e-02, 1.0524e+00],
[2.4691e-02, 3.7867e-08, 3.5943e-03],
[2.8376e-01, 1.2439e-05, 2.7013e-02],
[4.1066e+00, 6.5712e-03, 2.9430e-01],
[3.9697e+00, 5.5340e-03, 5.1653e-01],
[4.1395e+01, 1.2929e-01, 1.8421e+00],
[5.6314e+01, 1.1187e+00, 3.1490e+00],
[4.4955e-02, 1.4723e-06, 6.0592e-03],
[6.0917e+00, 6.1775e-03, 3.5159e-01],
[1.3644e+02, 2.2021e+00, 2.5763e+00],
[4.8753e-02, 8.3962e-07, 6.4305e-03],
[6.2202e+01, 3.5494e-01, 1.6747e+00],
[8.7185e+01, 1.4380e-01, 3.0805e+00],
[2.5479e+02, 4.3124e+00, 3.9067e+00],
[9.8985e-01, 2.2168e-04, 9.2270e-02],
[3.6283e+00, 5.6951e-04, 2.1138e-01]], dtype=torch.float64)
Iteration: 137
Inputs: tensor([[1.1192e+20, 3.8562e+02, 2.4658e+00, 8.5619e+00],
               [1.5867e+20, 2.2334e+02, 9.3729e+00, 7.2158e+00],
               [2.7844e+20, 4.1080e+02, 1.0444e+01, 2.4257e+00],
               ...,
               [2.0804e+19, 9.5072e+01, 4.1363e+00, 8.0382e+00],
               [4.9880e+20, 2.1660e+02, 1.9704e+01, 8.0938e+00],
               [5.5540e+18, 1.1533e+02, 2.2780e+00, 8.4155e+00]]), dtype=torch.float64)
Target: tensor([[7.7715e+01, 6.6123e-01, 1.5614e+00],
               [4.7234e+01, 3.8084e-01, 1.7122e+00],
               [6.0156e+01, 1.5933e-01, 2.2954e+00],
               [4.8677e+01, 3.1052e-01, 1.0472e+00],

```



[2.1384e+00, 1.3837e-03, 2.0252e-01],  
 [3.9048e+01, 4.1750e-01, 1.2314e+00],  
 [2.9642e+00, 1.5170e-03, 1.5450e-01],  
 [7.8165e+00, 1.6595e-03, 2.8821e-01],  
 [8.9992e-01, 2.9233e-04, 7.6684e-02],  
 [7.9791e+01, 2.2814e-01, 3.8495e+00],  
 [2.7488e+01, 9.9572e-02, 1.6772e+00],  
 [1.6934e+02, 1.9751e+00, 4.0521e+00],  
 [2.0693e-01, 7.5676e-06, 2.9825e-02],  
 [2.3614e+01, 7.6413e-02, 1.3281e+00],  
 [1.7986e+01, 2.6582e-02, 5.2780e-01],  
 [1.8457e+01, 5.7695e-02, 1.0756e+00],  
 [3.4972e+00, 4.1596e-04, 1.9663e-01],  
 [9.7798e-01, 2.9270e-04, 1.3934e-01],  
 [1.1545e+01, 2.0745e-02, 5.0189e-01],  
 [5.7029e-02, 2.2377e-06, 7.4584e-03],  
 [5.5674e+00, 4.2236e-03, 2.5420e-01],  
 [5.4208e+00, 1.4115e-03, 3.4389e-01],  
 [3.7978e-02, 7.0073e-08, 5.2464e-03],  
 [9.7404e+01, 9.4482e-02, 3.1781e+00],  
 [1.5783e+02, 1.7792e+00, 2.9000e+00],  
 [8.4832e-01, 2.1596e-04, 7.3621e-02],  
 [5.3202e+01, 2.8624e-01, 2.0792e+00],  
 [7.0978e-02, 9.4249e-07, 1.0489e-02],  
 [2.4842e+01, 3.1329e-02, 1.7214e+00],  
 [1.5346e-02, 3.5130e-07, 2.3879e-03],  
 [2.9290e+01, 1.9440e-01, 1.3410e+00],  
 [4.3500e+00, 5.4899e-03, 3.7895e-01],  
 [1.7997e+02, 5.4097e+00, 4.4849e+00],  
 [4.9011e+01, 3.2623e-01, 1.4721e+00],  
 [4.6669e-01, 1.1060e-04, 4.6992e-02],  
 [4.5914e-02, 2.5249e-06, 6.4418e-03],  
 [1.7758e+02, 5.4512e+00, 3.6765e+00],  
 [1.2905e+02, 1.0243e+00, 3.9071e+00],  
 [3.9582e+01, 2.0302e-01, 1.9684e+00],  
 [2.5104e+01, 1.0327e-01, 9.6707e-01],  
 [3.2510e-03, 1.1918e-09, 5.0902e-04],  
 [5.1992e+01, 1.3690e-01, 1.4185e+00],  
 [2.6111e+01, 1.4717e-01, 1.3469e+00],  
 [4.1086e-01, 1.7156e-06, 3.9751e-02],  
 [3.3729e+01, 4.7869e-02, 1.4152e+00],  
 [4.8695e+01, 2.5611e-01, 1.7539e+00],  
 [9.0113e-03, 7.3295e-08, 1.3979e-03],  
 [7.8386e-01, 2.8924e-04, 7.9715e-02],  
 [1.8978e+00, 8.1105e-04, 1.9697e-01],  
 [7.4968e+01, 7.1932e-01, 2.5910e+00],  
 [1.0117e+02, 1.2500e+00, 2.9679e+00],  
 [1.0471e+02, 4.7828e-01, 2.8442e+00],

[4.9154e+01, 1.2610e-01, 1.3197e+00],  
 [1.3487e-02, 1.8842e-07, 2.0204e-03],  
 [2.5917e+01, 1.4933e-01, 1.5223e+00],  
 [6.0548e+00, 1.0128e-02, 3.0013e-01],  
 [7.4223e+00, 8.9861e-04, 5.1073e-01],  
 [1.1299e+01, 1.0958e-02, 4.2134e-01],  
 [3.9803e+00, 2.5252e-03, 4.9097e-01],  
 [6.5131e-01, 5.8683e-05, 6.8011e-02],  
 [4.4363e+01, 1.6860e-01, 2.7044e+00],  
 [5.3055e+00, 7.5907e-03, 2.9093e-01],  
 [2.1014e+00, 6.4371e-04, 1.4336e-01],  
 [9.5565e+01, 9.3266e-01, 3.6230e+00],  
 [4.4568e+00, 2.4002e-03, 4.0296e-01],  
 [3.0704e+01, 2.2751e-01, 1.0520e+00],  
 [2.4335e+01, 4.3579e-01, 1.9202e+00],  
 [1.0597e+02, 4.1853e+00, 4.0525e+00],  
 [1.0281e+00, 1.1610e-04, 1.1010e-01],  
 [8.9537e-01, 3.0395e-04, 9.1190e-02],  
 [1.3305e+01, 1.8041e-02, 8.3693e-01],  
 [1.0795e+02, 1.9504e+00, 3.7241e+00],  
 [6.6914e+00, 1.1035e-02, 5.1622e-01],  
 [1.1732e+02, 1.4187e+00, 3.6738e+00],  
 [5.6998e-01, 4.0809e-05, 5.6552e-02],  
 [2.0481e+01, 2.3049e-02, 1.1353e+00],  
 [9.1416e+00, 5.1096e-03, 4.9680e-01],  
 [1.8182e+00, 1.6224e-03, 1.3689e-01],  
 [1.1211e+00, 2.6222e-04, 1.0825e-01],  
 [4.1604e+00, 2.2026e-03, 2.7392e-01],  
 [3.0026e+01, 1.2587e-01, 1.2523e+00],  
 [3.8703e+01, 1.1728e-01, 1.9284e+00],  
 [2.0071e-01, 7.1276e-06, 2.5907e-02],  
 [8.8440e+01, 1.3741e+00, 2.1998e+00],  
 [3.5004e-01, 9.2088e-05, 4.1060e-02],  
 [1.7191e+00, 2.6102e-03, 1.7956e-01],  
 [1.8268e+01, 2.4991e-02, 9.4998e-01],  
 [2.9640e+01, 3.8635e-01, 1.6722e+00],  
 [1.4681e+02, 1.3863e+00, 2.5520e+00],  
 [3.1694e-01, 8.1978e-06, 3.4312e-02],  
 [6.7847e-02, 1.8686e-06, 8.9429e-03],  
 [8.6967e+00, 3.5231e-03, 4.7579e-01],  
 [1.2464e+00, 2.9834e-05, 9.1946e-02],  
 [1.4098e-01, 1.1226e-05, 1.5367e-02],  
 [5.9920e-01, 5.8023e-05, 7.4032e-02],  
 [1.8508e+01, 1.5201e-03, 6.1361e-01],  
 [3.1394e-01, 8.3147e-05, 4.3573e-02],  
 [1.7801e+00, 8.4285e-04, 1.3949e-01],  
 [1.0905e+01, 1.2713e-02, 4.2414e-01],  
 [1.8626e+01, 8.0528e-02, 8.8990e-01],

[8.7284e-02, 4.0433e-06, 1.2484e-02],  
 [9.5972e+00, 2.3386e-02, 7.2184e-01],  
 [1.4157e+02, 9.0013e-01, 2.5655e+00],  
 [1.5372e+00, 1.7202e-04, 9.7515e-02],  
 [8.6463e-03, 9.5753e-08, 1.3536e-03],  
 [5.7508e+01, 9.1384e-01, 1.6508e+00],  
 [4.2415e+01, 2.3912e-01, 1.0447e+00],  
 [3.2490e+01, 1.9444e-01, 1.2814e+00],  
 [1.0539e-01, 8.8634e-06, 1.4124e-02],  
 [2.6077e+01, 1.1406e-01, 1.3440e+00],  
 [5.1855e+01, 1.3795e+00, 3.2670e+00],  
 [7.9321e+01, 5.4791e-01, 3.1694e+00],  
 [1.1104e+00, 3.3986e-04, 7.6691e-02],  
 [8.5386e+00, 1.8529e-02, 4.6826e-01],  
 [4.9767e+01, 2.9171e-01, 1.3223e+00],  
 [3.9459e+01, 2.7551e-01, 2.0622e+00],  
 [1.2982e+02, 2.8292e+00, 3.5357e+00],  
 [7.7130e-01, 2.5145e-04, 8.9326e-02],  
 [9.8279e+00, 1.4414e-02, 3.9514e-01],  
 [1.9182e-01, 2.2233e-06, 1.8761e-02],  
 [3.4815e+01, 7.0903e-02, 1.6026e+00],  
 [6.7099e+01, 6.0864e-01, 1.4648e+00],  
 [1.8259e+00, 9.5765e-04, 2.2397e-01],  
 [1.1831e+02, 2.3666e+00, 3.3200e+00],  
 [9.9509e+00, 2.3967e-02, 4.2854e-01],  
 [4.9858e+01, 7.3065e-02, 1.1858e+00],  
 [2.0656e+01, 1.3704e-01, 1.1239e+00],  
 [4.1500e+01, 1.1325e-01, 1.5205e+00],  
 [2.4118e-01, 9.9914e-06, 2.3267e-02],  
 [1.0943e+00, 1.0572e-03, 1.4028e-01],  
 [5.1334e-02, 2.3266e-07, 7.1632e-03],  
 [6.0724e+01, 6.2054e-01, 1.4564e+00],  
 [1.1901e+02, 9.5420e-01, 3.2056e+00],  
 [3.1420e-01, 5.1770e-05, 2.8131e-02],  
 [3.8737e-01, 6.4412e-05, 3.3850e-02],  
 [1.0725e+02, 9.4007e-01, 3.9863e+00],  
 [2.9691e-01, 1.2934e-05, 2.8815e-02],  
 [1.0448e+01, 1.2190e-02, 5.4540e-01],  
 [1.4053e+01, 3.5080e-03, 7.2008e-01],  
 [1.2160e+01, 3.4377e-02, 5.5421e-01],  
 [3.7498e+01, 5.6342e-02, 1.3492e+00],  
 [2.1608e-02, 1.5106e-07, 3.0678e-03],  
 [1.2026e+00, 7.4703e-04, 1.1217e-01],  
 [1.0358e+00, 4.3013e-05, 9.1674e-02],  
 [3.0363e+01, 1.5773e-01, 9.5604e-01],  
 [2.9547e-01, 1.6976e-05, 4.2567e-02],  
 [1.7078e+00, 9.2563e-04, 1.7993e-01],  
 [6.1277e+00, 1.0376e-02, 2.9005e-01],

[4.8506e+00, 2.0865e-03, 5.4369e-01],  
 [2.6653e+01, 2.4278e-01, 9.3909e-01],  
 [2.4074e-01, 1.2983e-05, 2.2307e-02],  
 [3.7955e+00, 5.1329e-03, 2.5932e-01],  
 [1.5340e+01, 1.0316e-01, 1.1302e+00],  
 [2.9704e+02, 6.7132e+00, 4.3581e+00],  
 [3.4628e+01, 7.5952e-02, 1.9870e+00],  
 [2.1184e+00, 2.5030e-03, 1.6388e-01],  
 [1.9913e+01, 4.2861e-02, 5.9239e-01],  
 [2.0982e+02, 5.3264e+00, 4.8087e+00],  
 [4.4731e-01, 3.1497e-06, 4.7317e-02],  
 [2.2166e+00, 1.3602e-03, 2.4383e-01],  
 [8.9478e+01, 1.2893e-01, 2.0851e+00],  
 [3.7704e-01, 1.9385e-05, 3.2390e-02],  
 [6.2368e+00, 3.1073e-02, 6.1976e-01],  
 [1.9947e-01, 2.0708e-05, 2.0418e-02],  
 [7.8707e-02, 3.8465e-06, 9.5725e-03],  
 [5.9406e+00, 5.0183e-03, 6.8053e-01],  
 [3.1480e-02, 4.3746e-07, 4.4800e-03],  
 [2.8955e+00, 8.0721e-04, 1.2982e-01],  
 [1.0995e+01, 2.6919e-02, 5.1784e-01],  
 [3.9599e-01, 1.6163e-05, 3.6911e-02],  
 [1.9186e+00, 1.2855e-04, 1.2458e-01],  
 [3.9261e-02, 7.0815e-07, 5.2553e-03],  
 [2.3954e-01, 5.9065e-06, 2.6995e-02],  
 [3.2015e+00, 2.0743e-03, 1.9994e-01],  
 [2.0761e+01, 1.3444e-01, 9.1992e-01],  
 [2.5924e+01, 5.6163e-02, 6.4556e-01],  
 [7.8453e-01, 9.4063e-05, 7.6768e-02],  
 [2.9909e-01, 4.0969e-05, 2.8730e-02],  
 [1.2711e+02, 6.2129e-01, 4.1271e+00],  
 [1.9633e+01, 5.9229e-02, 9.2717e-01],  
 [4.2992e+00, 3.8367e-03, 3.2464e-01],  
 [2.5672e-01, 1.3898e-06, 2.5586e-02],  
 [1.4951e+01, 2.6148e-02, 1.3469e+00],  
 [7.9644e+01, 5.5437e-01, 2.0543e+00],  
 [4.5246e+01, 1.8431e-01, 1.9350e+00],  
 [6.3368e+01, 8.7761e-01, 2.2611e+00],  
 [7.6198e+01, 3.5578e-01, 2.2844e+00],  
 [3.9329e-03, 2.0972e-09, 6.2285e-04],  
 [8.5740e-01, 8.9100e-05, 4.9232e-02],  
 [5.7395e+01, 9.2763e-02, 1.4099e+00],  
 [5.2427e-01, 7.8461e-06, 4.9342e-02],  
 [3.2161e-01, 7.0754e-06, 4.1041e-02],  
 [2.3563e+02, 3.9084e+00, 3.4744e+00],  
 [4.2308e-01, 9.1487e-05, 4.4570e-02],  
 [5.7791e+01, 4.5382e-01, 1.5631e+00],  
 [3.8825e-02, 6.9911e-07, 5.2677e-03],

[1.9495e-02, 2.3388e-07, 2.8290e-03],  
 [2.0424e+02, 2.0588e+00, 3.0764e+00],  
 [1.2732e-01, 5.0443e-06, 1.7504e-02],  
 [8.3171e-01, 7.9033e-05, 5.2388e-02],  
 [3.5076e-01, 2.1301e-05, 2.9495e-02],  
 [5.9044e+00, 2.1695e-03, 5.2302e-01],  
 [3.6144e+01, 1.2393e-01, 9.1697e-01],  
 [9.8123e+01, 1.1720e+00, 4.1801e+00],  
 [9.4904e-01, 7.7515e-05, 7.0655e-02],  
 [1.4603e+00, 7.1214e-04, 1.3169e-01],  
 [4.4783e+01, 7.4317e-02, 2.0933e+00],  
 [7.1265e+01, 3.9208e-01, 1.5103e+00],  
 [4.4686e-02, 1.0730e-06, 6.9483e-03],  
 [1.4393e+00, 1.7992e-04, 9.8648e-02],  
 [3.8598e+01, 5.7752e-02, 1.4877e+00],  
 [4.5098e+01, 6.7519e-02, 1.7172e+00],  
 [8.0380e+00, 2.3937e-03, 3.2687e-01],  
 [7.2973e+00, 6.8215e-03, 4.0282e-01],  
 [1.5235e+01, 1.0396e-02, 9.9640e-01],  
 [2.9366e-01, 3.2914e-05, 2.9880e-02],  
 [7.9178e+01, 6.4392e-01, 3.5311e+00],  
 [3.6568e-02, 4.8801e-07, 5.3031e-03],  
 [2.8213e-01, 5.8082e-06, 3.7093e-02],  
 [2.9349e+00, 1.5823e-03, 1.5367e-01],  
 [9.5540e-01, 1.9190e-04, 9.6782e-02],  
 [3.1358e+01, 2.0327e-01, 9.2377e-01],  
 [7.3000e-01, 5.4552e-05, 8.8803e-02],  
 [8.0710e+00, 4.8709e-03, 5.9318e-01],  
 [3.5889e+00, 2.5251e-04, 1.7789e-01],  
 [1.9589e+02, 4.7024e+00, 4.9400e+00],  
 [2.6554e+01, 6.5295e-02, 1.0168e+00],  
 [4.8059e+01, 2.2278e-01, 1.7983e+00],  
 [4.1045e-01, 1.0841e-05, 4.1575e-02],  
 [1.6386e+02, 3.4268e+00, 4.5140e+00],  
 [3.7595e+01, 3.8133e-01, 1.6014e+00],  
 [4.9143e-02, 1.8973e-07, 6.8712e-03],  
 [1.2015e-01, 5.1135e-07, 1.5269e-02],  
 [4.0928e-03, 1.7643e-08, 6.4102e-04],  
 [4.7185e+00, 6.2214e-03, 3.1198e-01],  
 [1.4268e+01, 1.0161e-01, 9.1608e-01],  
 [2.6785e+00, 1.2316e-03, 3.0361e-01],  
 [7.6121e-02, 6.1171e-06, 1.1690e-02],  
 [7.9267e+00, 1.3455e-02, 5.2896e-01],  
 [8.3330e+01, 1.5935e+00, 2.0034e+00],  
 [3.6054e+00, 2.4807e-03, 2.3234e-01],  
 [2.0939e+01, 3.4262e-02, 8.7505e-01],  
 [1.6127e+00, 1.2049e-03, 1.8430e-01],  
 [2.2403e-01, 1.8790e-05, 2.7228e-02],

[7.0931e+00, 4.1210e-02, 5.3994e-01],  
 [3.4240e-01, 6.4334e-06, 4.0488e-02],  
 [1.0233e+02, 6.7839e-01, 4.0558e+00],  
 [2.7244e-01, 5.8811e-06, 3.1501e-02],  
 [1.5618e-02, 3.7011e-08, 2.3304e-03],  
 [1.2388e-01, 6.0195e-06, 1.3517e-02],  
 [9.7233e+00, 6.4161e-02, 9.8822e-01],  
 [1.0063e+02, 6.6116e-01, 3.7454e+00],  
 [1.2632e+01, 5.3869e-02, 8.1277e-01],  
 [6.9033e+00, 4.9296e-03, 5.6321e-01],  
 [1.4008e+00, 1.0703e-03, 1.5410e-01],  
 [8.8060e-01, 1.4233e-04, 8.7805e-02],  
 [2.1455e-01, 7.3115e-06, 2.6026e-02],  
 [1.2097e+01, 3.5643e-02, 6.1802e-01],  
 [3.8783e-03, 7.5413e-09, 6.1547e-04],  
 [3.8726e+01, 3.1040e-02, 1.5056e+00],  
 [6.1406e-01, 8.9304e-05, 8.8585e-02],  
 [1.4150e-02, 7.8919e-08, 2.0977e-03],  
 [3.3613e+01, 3.9488e-01, 1.5470e+00],  
 [1.0443e+01, 6.3392e-03, 8.6589e-01],  
 [5.9154e+00, 9.4671e-03, 3.0960e-01],  
 [8.1591e+00, 6.0784e-03, 6.8437e-01],  
 [1.0290e+00, 1.5976e-05, 1.0845e-01],  
 [1.9726e+00, 7.4086e-05, 1.5897e-01],  
 [3.0364e-01, 1.6070e-05, 4.0089e-02],  
 [6.8508e-01, 1.9422e-04, 8.6722e-02],  
 [4.3311e-02, 7.6566e-07, 6.2522e-03],  
 [3.8431e+00, 7.5372e-03, 3.5877e-01],  
 [1.3212e-01, 2.7885e-06, 1.4571e-02],  
 [1.7349e+01, 1.3414e-01, 1.2346e+00],  
 [3.1617e-01, 2.2302e-06, 3.3440e-02],  
 [4.0692e+01, 5.1401e-01, 1.3962e+00],  
 [2.1756e+02, 6.0544e+00, 3.9760e+00],  
 [2.3494e-02, 5.1587e-08, 3.4296e-03],  
 [2.8801e+00, 3.3621e-03, 2.3268e-01],  
 [1.8422e+00, 2.1582e-03, 2.0031e-01],  
 [1.9312e-01, 1.1604e-05, 2.3114e-02],  
 [6.9888e-02, 3.1342e-06, 1.0106e-02],  
 [1.1545e+01, 9.8927e-02, 9.8978e-01],  
 [4.9127e-01, 5.7089e-05, 4.5018e-02],  
 [1.6570e+01, 8.2374e-02, 6.1684e-01],  
 [3.6009e+01, 2.2076e-01, 1.4687e+00],  
 [1.3874e+02, 7.5584e-01, 2.2897e+00],  
 [3.7150e+01, 1.6689e-01, 1.4471e+00],  
 [5.2189e+01, 1.6158e-01, 1.8808e+00],  
 [1.0455e+00, 3.1235e-05, 8.8330e-02],  
 [7.5709e+00, 4.9255e-02, 5.9561e-01],  
 [4.5464e+01, 6.6740e-01, 2.2128e+00],

```

[1.1142e-01, 4.5817e-06, 1.3814e-02],
[4.2177e+00, 5.7150e-03, 3.2187e-01],
[3.5706e+00, 4.7907e-03, 4.0618e-01],
[2.8354e+00, 4.9502e-04, 2.0404e-01],
[7.7276e+01, 1.2958e+00, 2.8573e+00],
[8.4036e-02, 6.9199e-07, 1.1099e-02],
[1.0365e+02, 2.3669e+00, 2.7621e+00],
[1.0875e+02, 1.8582e+00, 2.8131e+00],
[2.2988e+02, 2.8344e+00, 4.0982e+00],
[1.3866e+00, 4.9100e-04, 1.5238e-01],
[1.4178e+02, 3.2867e-01, 3.2799e+00],
[8.1614e-03, 1.1767e-08, 1.2607e-03],
[4.1103e+01, 3.1796e-02, 1.8214e+00],
[1.7983e-01, 8.2012e-06, 2.2313e-02],
[2.0159e-01, 2.3996e-05, 2.0221e-02],
[1.8403e-01, 3.1654e-06, 1.9233e-02],
[3.4595e+01, 2.6051e-01, 1.5187e+00],
[8.4432e-01, 1.1593e-05, 6.8294e-02],
[3.2447e-01, 4.2690e-05, 3.3034e-02],
[5.8486e+00, 5.8062e-03, 4.7988e-01],
[1.2923e-01, 1.1288e-06, 1.4476e-02],
[5.0773e+00, 7.9385e-03, 3.4805e-01],
[4.1975e-03, 1.2975e-08, 6.5145e-04],
[9.5250e+01, 1.1258e+00, 3.2445e+00],
[7.3633e+01, 3.7616e-01, 2.1204e+00],
[3.8808e+00, 3.7477e-03, 3.0017e-01],
[7.7107e+01, 1.9240e+00, 3.0879e+00],
[9.6701e-01, 2.2256e-04, 8.8812e-02]], dtype=torch.float64)
Iteration: 138
Inputs: tensor([[5.1993e+20, 2.1690e+02, 7.6013e+00, 9.9090e+00],
               [8.8186e+20, 8.3493e+01, 1.3074e+01, 8.6165e+00],
               [8.0785e+18, 1.5333e+02, 1.0657e+01, 3.4937e+00],
               ...,
               [5.1586e+19, 2.2775e+02, 4.3921e+00, 8.7067e+00],
               [8.6395e+19, 4.1073e+02, 1.1856e+00, 2.9206e+00],
               [4.7143e+19, 3.2870e+02, 1.4633e+01, 1.8965e+00]]), dtype=torch.float64)
Target: tensor([[1.2966e+02, 3.3937e+00, 3.4942e+00],
               [6.3909e+01, 1.4388e+00, 3.5372e+00],
               [4.3475e-01, 3.9980e-05, 5.2091e-02],
               [7.7685e+01, 1.1565e+00, 2.9908e+00],
               [1.6212e+00, 5.1948e-04, 1.3664e-01],
               [5.9398e+00, 2.2931e-03, 3.6838e-01],
               [7.6518e+00, 1.1024e-02, 5.1542e-01],
               [3.0036e-02, 1.5507e-07, 4.3413e-03],
               [1.3234e+00, 7.5663e-05, 1.1780e-01],
               [2.2250e+02, 1.9629e+00, 3.6087e+00],
               [4.7680e+01, 1.2124e-01, 1.2585e+00],
               [1.8496e+02, 7.1619e+00, 4.9255e+00],

```

[1.5094e+01, 5.4905e-02, 8.4844e-01],  
 [1.8219e+02, 7.6501e-01, 3.3030e+00],  
 [9.1898e-02, 4.1813e-06, 1.0867e-02],  
 [5.7346e+01, 4.3439e-01, 1.4643e+00],  
 [1.0131e+02, 2.6067e+00, 4.2767e+00],  
 [3.6833e+01, 1.4983e-01, 1.3117e+00],  
 [5.7268e+01, 8.7048e-01, 2.8345e+00],  
 [1.8262e+01, 1.5666e-01, 1.1862e+00],  
 [2.5599e+01, 1.1226e-02, 1.5239e+00],  
 [1.4110e-02, 1.7521e-08, 2.1238e-03],  
 [2.2187e-01, 2.4725e-05, 2.4244e-02],  
 [1.1030e+01, 1.4260e-02, 7.2677e-01],  
 [1.1908e+00, 5.4379e-04, 1.2369e-01],  
 [1.4845e+01, 1.0892e-02, 9.1747e-01],  
 [1.0323e+02, 2.1644e+00, 2.6805e+00],  
 [1.1848e+02, 3.3535e+00, 3.5635e+00],  
 [2.3929e-01, 5.7792e-06, 2.7678e-02],  
 [9.9674e-01, 9.5916e-04, 1.2033e-01],  
 [6.6565e-01, 3.0788e-04, 7.7607e-02],  
 [1.4466e+00, 1.2019e-03, 1.3664e-01],  
 [7.9382e-01, 3.0665e-05, 7.2672e-02],  
 [1.0887e+00, 3.1964e-04, 1.1246e-01],  
 [2.7198e+00, 1.0124e-02, 3.0331e-01],  
 [8.0013e+01, 1.1057e+00, 2.0293e+00],  
 [8.4720e-01, 1.8980e-04, 7.8073e-02],  
 [1.0735e-02, 5.4432e-08, 1.6211e-03],  
 [1.4381e-01, 2.7651e-06, 1.5721e-02],  
 [3.0792e+00, 6.6476e-03, 3.4598e-01],  
 [4.7626e-01, 3.1864e-05, 5.9171e-02],  
 [1.9592e+00, 8.1870e-04, 1.8360e-01],  
 [2.5831e-01, 1.6569e-05, 2.9512e-02],  
 [4.2344e+01, 3.6555e-01, 1.7814e+00],  
 [5.9594e-01, 3.4319e-05, 6.9294e-02],  
 [1.1742e+01, 6.0974e-02, 8.2248e-01],  
 [9.9756e+01, 2.3977e+00, 2.2362e+00],  
 [1.6415e+01, 4.9078e-02, 6.4260e-01],  
 [2.5046e+00, 7.9326e-04, 1.5021e-01],  
 [8.2303e-01, 9.9845e-05, 4.7531e-02],  
 [9.5424e+00, 2.7712e-03, 4.3851e-01],  
 [6.0477e+01, 4.2890e-01, 2.1467e+00],  
 [1.0423e+02, 2.4302e-01, 2.8819e+00],  
 [9.9333e+01, 1.0570e-01, 3.6211e+00],  
 [2.4126e+02, 1.8270e+00, 5.0758e+00],  
 [1.6145e+01, 4.9753e-03, 6.0378e-01],  
 [2.8515e-01, 3.4463e-05, 2.8224e-02],  
 [1.1675e+02, 4.2965e+00, 3.7861e+00],  
 [7.1674e-01, 7.6477e-05, 5.2764e-02],  
 [4.2778e+00, 1.2967e-03, 2.7148e-01],



[2.3441e+02, 5.6637e+00, 4.5960e+00],  
[3.0878e+01, 6.0299e-03, 1.4933e+00],  
[3.0365e+01, 3.0901e-01, 1.1349e+00],  
[5.5423e-01, 1.1356e-04, 6.8122e-02],  
[1.2544e+01, 2.7348e-02, 4.8376e-01],  
[2.9119e-02, 2.4503e-07, 4.3448e-03],  
[4.5877e-02, 1.5993e-06, 6.5915e-03],  
[2.2474e-01, 6.1823e-06, 2.7464e-02],  
[2.9496e-01, 1.9002e-05, 2.6658e-02],  
[2.6271e+00, 4.2594e-03, 2.0776e-01],  
[1.7065e-01, 1.0046e-05, 1.9488e-02],  
[3.9375e+00, 9.5692e-04, 2.0840e-01],  
[3.5626e+01, 2.6619e-02, 2.1666e+00],  
[1.2744e+02, 8.7337e-01, 3.0940e+00],  
[1.8381e+01, 3.5836e-02, 1.2785e+00],  
[6.6613e+00, 5.8365e-03, 6.5238e-01],  
[2.0667e+02, 7.0986e+00, 4.6258e+00],  
[1.5261e+01, 7.5009e-02, 7.0799e-01],  
[2.3721e-03, 6.6043e-09, 3.7624e-04],  
[1.7291e+01, 5.1819e-02, 6.4682e-01],  
[3.9208e+01, 1.8511e-01, 1.1585e+00],  
[2.3180e-02, 7.9925e-08, 3.3879e-03],  
[3.3454e+01, 1.7682e-01, 1.6006e+00],  
[3.6231e+01, 5.2089e-02, 1.8630e+00],  
[8.0096e+01, 1.4158e+00, 2.0422e+00],  
[7.8966e-03, 9.3030e-09, 1.2231e-03],  
[5.3751e+01, 2.8002e-01, 1.1068e+00],  
[9.4006e+00, 1.6501e-02, 5.0272e-01],  
[1.1975e+00, 2.6237e-04, 1.3394e-01],  
[4.8748e+01, 4.9371e-01, 2.6300e+00],  
[1.5241e-01, 1.2699e-05, 1.7741e-02],  
[3.3541e-03, 5.4006e-09, 5.4295e-04],  
[2.0866e+01, 1.1391e-01, 1.3922e+00],  
[2.5785e-01, 1.7085e-05, 2.6747e-02],  
[2.6419e-01, 5.0323e-06, 3.0596e-02],  
[2.3756e+00, 1.6348e-03, 2.6873e-01],  
[8.0925e+01, 7.0025e-01, 1.4648e+00],  
[2.7660e+01, 1.5918e-01, 1.1239e+00],  
[2.2888e+01, 1.6405e-01, 1.0216e+00],  
[1.1400e+01, 1.4100e-02, 3.7941e-01],  
[2.8763e-03, 1.6491e-09, 4.6250e-04],  
[1.3147e-01, 5.1539e-06, 1.7406e-02],  
[1.7552e+00, 5.0755e-04, 1.5431e-01],  
[3.2522e+00, 4.3715e-04, 2.0980e-01],  
[2.4719e-01, 1.5365e-06, 2.2114e-02],  
[1.6982e+00, 2.9659e-04, 1.1024e-01],  
[2.9435e-02, 1.2990e-07, 4.0826e-03],  
[4.7204e+01, 1.0024e-01, 1.3721e+00],

[5.7662e+01, 1.1821e-01, 1.8403e+00],  
 [9.3731e+01, 1.9532e+00, 2.6538e+00],  
 [1.6019e+01, 4.1980e-02, 1.0294e+00],  
 [3.8491e+00, 1.0862e-03, 2.6684e-01],  
 [1.2653e+02, 1.8094e+00, 3.8402e+00],  
 [7.6095e+01, 3.4141e-01, 2.3648e+00],  
 [1.0366e+02, 1.4217e+00, 2.2867e+00],  
 [5.7210e+01, 7.1604e-01, 2.1027e+00],  
 [2.5482e+00, 2.0849e-03, 2.6750e-01],  
 [4.2403e+01, 8.0575e-02, 1.5988e+00],  
 [1.2719e+01, 1.3421e-02, 7.8357e-01],  
 [2.6476e+02, 7.9066e+00, 5.0428e+00],  
 [1.9814e+00, 1.0295e-03, 1.3617e-01],  
 [6.9431e+01, 5.5111e-02, 1.4106e+00],  
 [1.8425e+00, 5.4873e-05, 1.8718e-01],  
 [7.0999e-01, 2.2412e-04, 7.9248e-02],  
 [6.9469e-02, 1.7585e-06, 9.7379e-03],  
 [4.1371e+01, 1.6107e-01, 1.7204e+00],  
 [5.4033e-01, 7.7603e-05, 6.2490e-02],  
 [2.0308e-01, 2.5389e-05, 3.0414e-02],  
 [8.1430e+00, 1.2219e-02, 5.6129e-01],  
 [1.1092e+02, 2.6125e+00, 2.5081e+00],  
 [4.6556e-01, 4.6392e-05, 3.7306e-02],  
 [2.3546e-01, 6.0974e-06, 3.4861e-02],  
 [3.8291e+00, 1.3518e-03, 3.3639e-01],  
 [1.3265e+02, 2.0835e+00, 4.5654e+00],  
 [2.4110e+01, 8.8002e-02, 1.5732e+00],  
 [1.5958e+01, 8.0108e-02, 8.0094e-01],  
 [1.9598e+00, 1.4327e-03, 1.4488e-01],  
 [5.4795e+01, 3.8263e-01, 1.7292e+00],  
 [6.8547e-01, 1.1485e-05, 5.5804e-02],  
 [6.9370e+01, 6.4604e-01, 1.8812e+00],  
 [3.7186e-01, 2.5229e-05, 4.2793e-02],  
 [5.8823e+00, 1.3476e-03, 4.7071e-01],  
 [2.6683e+01, 2.3794e-01, 1.3551e+00],  
 [4.6585e-01, 5.9969e-05, 3.6508e-02],  
 [3.9743e-02, 3.6234e-07, 6.2496e-03],  
 [1.9590e+02, 3.0430e+00, 4.1667e+00],  
 [8.5517e+00, 5.9772e-03, 6.2495e-01],  
 [3.7969e+00, 3.5844e-04, 2.9011e-01],  
 [1.3268e-01, 1.4945e-05, 1.4663e-02],  
 [8.4503e-01, 6.8115e-05, 5.8767e-02],  
 [9.1460e+00, 6.8716e-03, 5.0981e-01],  
 [5.7269e-02, 6.7788e-07, 8.6082e-03],  
 [2.1729e-01, 2.2851e-05, 2.2937e-02],  
 [1.4345e-01, 2.9501e-05, 2.0569e-02],  
 [1.4815e+01, 7.1337e-02, 7.7340e-01],  
 [4.3638e-02, 5.4531e-07, 6.1606e-03],

[2.0749e+01, 9.4992e-02, 1.9316e+00],  
 [1.2250e+01, 2.6098e-02, 7.2956e-01],  
 [4.6930e+00, 7.1472e-03, 2.5663e-01],  
 [1.8803e+02, 6.8742e+00, 4.1923e+00],  
 [9.8746e-01, 2.3045e-04, 8.6255e-02],  
 [2.9182e-01, 5.5089e-05, 3.5075e-02],  
 [4.6926e+01, 1.5746e-01, 1.5235e+00],  
 [2.3732e+00, 2.5143e-03, 2.2129e-01],  
 [1.7269e+01, 4.2074e-02, 6.3070e-01],  
 [1.0316e+02, 5.6317e-01, 2.5943e+00],  
 [4.7166e-02, 1.4026e-06, 6.9407e-03],  
 [2.3959e+02, 1.3764e+01, 4.9225e+00],  
 [3.4674e+02, 6.6222e+00, 5.1572e+00],  
 [8.1475e+00, 8.5239e-03, 4.1376e-01],  
 [7.2447e-02, 1.8371e-06, 1.0518e-02],  
 [9.2193e+00, 5.8196e-03, 3.3095e-01],  
 [3.4440e+01, 6.1436e-02, 1.3233e+00],  
 [5.6805e+01, 9.8170e-01, 2.6313e+00],  
 [1.9085e+00, 9.0761e-04, 1.6333e-01],  
 [2.2057e-01, 2.8976e-06, 2.2474e-02],  
 [1.3974e+01, 1.8366e-02, 4.0620e-01],  
 [2.7432e+02, 5.2349e+00, 4.2218e+00],  
 [1.3347e-02, 1.9700e-08, 2.0578e-03],  
 [2.2825e+01, 1.5063e-01, 9.2215e-01],  
 [2.6668e+01, 1.2327e-01, 2.1770e+00],  
 [6.6409e+00, 4.3825e-03, 2.8596e-01],  
 [9.4440e+01, 6.5308e-01, 2.0512e+00],  
 [9.7161e-01, 3.3944e-04, 9.2567e-02],  
 [9.9865e+01, 1.9351e+00, 3.8917e+00],  
 [3.5142e+01, 7.2801e-02, 1.6970e+00],  
 [6.5836e+01, 5.8572e-01, 1.5462e+00],  
 [1.0715e+02, 5.5020e-01, 2.4608e+00],  
 [1.3170e-01, 1.2672e-05, 1.4375e-02],  
 [4.5045e+00, 1.0525e-02, 5.2163e-01],  
 [3.2613e+01, 8.6323e-02, 2.0299e+00],  
 [6.1836e+01, 4.8187e-01, 1.9293e+00],  
 [2.8972e+01, 1.2413e-01, 1.5189e+00],  
 [6.6658e-01, 2.0860e-05, 7.4321e-02],  
 [1.4546e+02, 2.4547e+00, 3.0066e+00],  
 [3.8700e+01, 4.5382e-02, 1.4407e+00],  
 [9.5583e+00, 3.1676e-02, 5.1751e-01],  
 [6.1411e+01, 1.4077e+00, 3.3519e+00],  
 [1.5657e+01, 3.0601e-02, 7.4265e-01],  
 [8.6470e-01, 8.6797e-04, 1.2075e-01],  
 [4.0243e+01, 1.7973e-01, 9.1861e-01],  
 [5.3199e-02, 2.3117e-06, 6.8626e-03],  
 [4.5474e+01, 2.9389e-01, 1.0897e+00],  
 [2.9545e-03, 2.4063e-09, 4.7278e-04],

[1.1238e+01, 8.5867e-03, 5.1942e-01],  
 [1.2947e+01, 7.9315e-03, 7.6425e-01],  
 [3.3930e-01, 7.9815e-05, 3.9153e-02],  
 [6.3695e+01, 6.9696e-01, 1.5908e+00],  
 [2.8419e+01, 2.9886e-02, 1.2174e+00],  
 [1.8749e+01, 8.7206e-02, 1.0463e+00],  
 [6.7136e-01, 1.1740e-04, 6.3998e-02],  
 [3.7201e+01, 1.6254e-01, 1.0634e+00],  
 [5.8058e+01, 1.4753e-01, 2.4827e+00],  
 [2.5107e+00, 1.2396e-03, 1.5523e-01],  
 [1.0629e+01, 2.2053e-02, 4.4808e-01],  
 [2.5486e+00, 8.8192e-03, 2.8222e-01],  
 [1.8388e+01, 4.6179e-02, 6.2589e-01],  
 [9.2595e+01, 1.2727e+00, 3.0013e+00],  
 [2.5600e+01, 1.2446e-02, 9.3326e-01],  
 [8.5540e+01, 3.1916e-01, 1.8148e+00],  
 [8.8892e+01, 1.1657e+00, 1.8461e+00],  
 [6.4875e-02, 5.5227e-08, 8.2597e-03],  
 [6.4153e-02, 4.3986e-07, 8.6451e-03],  
 [3.1658e-01, 1.0102e-05, 3.1660e-02],  
 [2.4597e-01, 2.5638e-05, 3.2824e-02],  
 [6.2820e-03, 3.6979e-08, 9.7836e-04],  
 [1.4383e+01, 3.1758e-02, 1.1713e+00],  
 [2.6217e+01, 2.4414e-01, 1.0986e+00],  
 [1.1384e+02, 2.1401e+00, 2.3809e+00],  
 [1.1116e+02, 1.1515e+00, 3.3688e+00],  
 [6.8212e+01, 5.4532e-01, 2.9043e+00],  
 [9.7493e+01, 1.3294e+00, 2.4456e+00],  
 [5.7374e+01, 3.5383e-01, 1.7331e+00],  
 [7.1361e+00, 7.0599e-03, 3.4804e-01],  
 [1.8969e+02, 4.5379e+00, 3.0966e+00],  
 [1.4568e+02, 9.9273e-01, 3.7874e+00],  
 [4.5066e+01, 1.1824e-01, 2.6925e+00],  
 [1.7519e+01, 1.7257e-02, 1.2481e+00],  
 [7.2364e+01, 5.4224e-01, 2.3775e+00],  
 [1.3692e+02, 7.4524e-01, 3.6363e+00],  
 [1.8197e+02, 6.4440e+00, 4.4437e+00],  
 [2.2050e+01, 1.4422e-01, 9.0115e-01],  
 [2.2840e+02, 1.1046e+01, 4.2725e+00],  
 [1.0931e+02, 2.5534e+00, 2.6123e+00],  
 [4.6359e+00, 4.9001e-03, 2.7908e-01],  
 [8.0962e+01, 4.3276e-01, 2.1959e+00],  
 [1.0756e+01, 9.8779e-03, 3.5522e-01],  
 [7.1034e+01, 1.4009e+00, 2.4283e+00],  
 [2.4431e-01, 2.3498e-05, 2.7060e-02],  
 [2.9545e+01, 1.3942e-02, 1.1441e+00],  
 [5.5809e-03, 1.9336e-08, 8.9729e-04],  
 [1.5444e+00, 5.6827e-04, 1.1215e-01],

[5.8721e+01, 5.6721e-01, 2.3569e+00],  
 [9.9550e+01, 1.6633e+00, 2.6722e+00],  
 [9.8500e-01, 3.5004e-04, 7.4583e-02],  
 [1.0053e+00, 4.6018e-04, 7.8209e-02],  
 [1.6101e+02, 1.3371e+00, 3.0800e+00],  
 [8.4799e+01, 6.2267e-01, 2.1149e+00],  
 [1.7013e+02, 2.6728e+00, 3.6570e+00],  
 [2.0896e+01, 1.5691e-02, 1.0386e+00],  
 [2.6287e-02, 3.6054e-07, 3.9047e-03],  
 [2.3327e+01, 4.8891e-02, 8.7694e-01],  
 [2.0453e+02, 6.0774e+00, 4.1910e+00],  
 [5.1294e+00, 1.5802e-03, 2.2918e-01],  
 [1.4067e+02, 1.7289e+00, 4.2478e+00],  
 [1.2308e+00, 1.1684e-04, 8.5776e-02],  
 [7.7534e-01, 8.0489e-05, 7.0082e-02],  
 [4.6838e-01, 3.5630e-05, 4.5840e-02],  
 [6.7890e+01, 1.0497e-01, 3.1235e+00],  
 [8.3504e+00, 1.6928e-02, 4.4026e-01],  
 [3.3870e+01, 1.6579e-01, 8.1144e-01],  
 [1.8611e+01, 8.2781e-02, 9.5229e-01],  
 [2.6362e+02, 5.6775e+00, 4.3999e+00],  
 [3.0935e+01, 5.9818e-02, 2.0344e+00],  
 [8.1841e+01, 3.2867e-01, 3.8229e+00],  
 [9.0404e+01, 1.3311e+00, 2.0081e+00],  
 [7.2345e+00, 1.9237e-03, 4.8678e-01],  
 [1.2804e+01, 2.6223e-02, 1.0979e+00],  
 [9.3701e-02, 3.5647e-06, 1.3296e-02],  
 [1.4520e+02, 4.6520e+00, 4.1444e+00],  
 [4.2018e+01, 6.6391e-01, 2.0229e+00],  
 [2.1457e+00, 1.0192e-03, 2.1175e-01],  
 [4.0904e+01, 1.7161e-01, 2.1317e+00],  
 [1.7174e+01, 4.8793e-02, 6.1190e-01],  
 [9.5090e+00, 2.4719e-02, 6.5610e-01],  
 [6.0543e+01, 1.5804e-01, 2.9269e+00],  
 [3.2051e-01, 5.4147e-05, 4.5641e-02],  
 [3.1404e+01, 1.3711e-01, 1.2356e+00],  
 [1.0506e+02, 1.5378e-01, 3.2453e+00],  
 [1.3037e+01, 6.4642e-02, 5.9545e-01],  
 [2.3109e+02, 2.3235e+00, 3.9134e+00],  
 [3.7645e-01, 8.6318e-05, 4.9918e-02],  
 [2.0944e+01, 1.1536e-01, 7.2040e-01],  
 [8.8338e-01, 2.7767e-04, 7.1245e-02],  
 [2.6351e+00, 1.4805e-03, 2.7995e-01],  
 [1.4804e+02, 4.6506e-01, 3.6538e+00],  
 [5.5171e+00, 4.4602e-03, 5.0207e-01],  
 [6.6990e-02, 4.0912e-06, 8.6208e-03],  
 [1.6998e+01, 6.8508e-02, 7.1858e-01],  
 [5.9112e+00, 4.3674e-03, 5.8778e-01],

```

[4.9862e-02, 4.6152e-07, 7.0302e-03],
[2.0956e+01, 2.8139e-02, 9.7217e-01],
[8.9032e+00, 9.2050e-04, 4.0351e-01],
[2.3406e+02, 6.5455e+00, 4.5697e+00],
[3.4724e+01, 1.9678e-01, 1.6869e+00],
[4.1262e+01, 3.8019e-01, 1.2945e+00],
[4.5274e+00, 1.6706e-03, 2.3099e-01],
[7.9909e-02, 1.8440e-06, 1.0960e-02],
[2.2540e+02, 7.3006e+00, 5.0509e+00],
[1.1574e-01, 5.9765e-06, 1.2976e-02],
[3.2359e+00, 2.1133e-03, 1.7972e-01],
[8.0128e+00, 3.6046e-02, 8.8758e-01],
[7.9637e+01, 1.1430e-01, 1.7993e+00],
[1.7882e-01, 9.9609e-06, 2.1417e-02],
[5.1735e+00, 7.0998e-03, 4.3108e-01],
[2.5843e+00, 1.0991e-03, 1.7545e-01],
[2.2280e+01, 2.1062e-01, 8.7143e-01],
[2.7826e+01, 1.2683e-01, 9.1895e-01],
[6.4135e+01, 5.8516e-02, 1.3413e+00],
[6.3457e+00, 3.8138e-03, 4.9524e-01]], dtype=torch.float64)
Iteration: 139
Inputs: tensor([[7.9747e+18, 3.3235e+02, 1.1030e+01, 1.9016e+00],
[2.6259e+20, 4.5722e+02, 1.8865e+01, 3.6833e+00],
[6.0114e+19, 3.8977e+02, 7.6881e+00, 4.5348e+00],
...,
[5.0724e+19, 4.1129e+01, 1.6531e+01, 2.7550e+00],
[1.8575e+18, 2.5610e+02, 1.2045e+01, 7.4244e+00],
[2.5696e+20, 4.6794e+02, 8.2883e-01, 9.3854e+00]], dtype=torch.float64)
Target: tensor([[6.7307e-01, 3.9648e-05, 7.3649e-02],
[5.5996e+01, 3.7531e-01, 2.2008e+00],
[3.1487e+01, 7.7937e-02, 1.0132e+00],
[1.0818e+00, 2.5657e-04, 1.0087e-01],
[4.6582e+01, 2.0434e-01, 1.1002e+00],
[1.0333e+01, 7.3351e-03, 5.8802e-01],
[2.6306e+01, 6.6981e-02, 6.6691e-01],
[6.4453e-02, 2.4095e-06, 8.5836e-03],
[5.8534e+00, 2.3711e-02, 4.7122e-01],
[5.9265e+01, 4.5961e-01, 1.6306e+00],
[8.7310e+01, 1.1686e+00, 2.6863e+00],
[3.1266e-01, 1.4921e-05, 3.4619e-02],
[5.8939e+01, 2.1474e-01, 2.9102e+00],
[6.3180e+00, 4.3986e-03, 3.4790e-01],
[2.5761e+01, 1.3748e-02, 8.0805e-01],
[2.0192e+01, 5.0115e-02, 8.6827e-01],
[2.6338e+00, 1.5682e-03, 2.1201e-01],
[5.7514e+01, 1.2165e-01, 2.5741e+00],
[7.8452e-01, 2.2211e-04, 6.3508e-02],
[6.1820e-02, 1.4829e-06, 7.9002e-03],

```

[6.9420e+00, 8.3391e-03, 3.4713e-01],  
 [2.3406e+01, 1.0354e-01, 8.7384e-01],  
 [1.0978e-01, 7.5464e-06, 1.3541e-02],  
 [1.4516e+00, 4.5613e-04, 1.2155e-01],  
 [1.3331e+01, 1.3106e-01, 9.5928e-01],  
 [2.7040e+01, 4.4188e-02, 1.7609e+00],  
 [1.1476e+00, 2.7633e-04, 7.8363e-02],  
 [5.1370e+00, 2.1472e-03, 3.3099e-01],  
 [3.7068e-01, 3.5594e-05, 4.9924e-02],  
 [5.2200e+01, 3.6126e-01, 1.9711e+00],  
 [1.2174e+00, 3.5784e-04, 9.4389e-02],  
 [4.1470e-01, 5.1060e-05, 3.3739e-02],  
 [3.2546e+00, 4.1545e-03, 2.7568e-01],  
 [1.7716e+00, 8.1620e-04, 1.1478e-01],  
 [9.5117e-01, 2.2130e-04, 7.4911e-02],  
 [3.6318e+01, 1.3389e-01, 9.4874e-01],  
 [5.8638e+01, 6.2489e-02, 1.7722e+00],  
 [8.0651e-01, 7.8980e-06, 6.5715e-02],  
 [4.9743e-03, 5.1055e-09, 7.7865e-04],  
 [2.7886e+00, 3.1349e-04, 2.9753e-01],  
 [1.6890e+01, 9.3562e-02, 8.2673e-01],  
 [2.1497e+01, 9.0297e-02, 8.6490e-01],  
 [1.5351e+00, 1.3573e-03, 1.3196e-01],  
 [1.7785e+01, 2.5393e-02, 9.8725e-01],  
 [2.9095e+01, 2.0935e-01, 2.0846e+00],  
 [9.4582e+01, 1.0347e+00, 2.7061e+00],  
 [3.2966e-01, 6.0943e-05, 3.6747e-02],  
 [2.1375e+01, 1.0838e-02, 5.3177e-01],  
 [5.4683e-01, 1.1415e-05, 3.7100e-02],  
 [4.6109e+01, 2.7930e-01, 2.7241e+00],  
 [7.2913e-02, 8.8164e-07, 9.7963e-03],  
 [1.5246e-01, 4.9732e-06, 2.4159e-02],  
 [8.8443e+01, 2.4240e+00, 3.6013e+00],  
 [3.7831e+01, 7.2324e-02, 1.3763e+00],  
 [1.5697e-01, 2.7333e-06, 1.8997e-02],  
 [1.1866e+02, 1.0754e+00, 3.0114e+00],  
 [1.2542e+00, 5.0319e-04, 1.0169e-01],  
 [1.1201e+00, 5.0609e-04, 1.4007e-01],  
 [3.6332e+00, 2.5374e-03, 2.9245e-01],  
 [8.7665e-01, 1.6239e-04, 6.2766e-02],  
 [2.4557e+01, 7.7922e-03, 7.3138e-01],  
 [7.7083e+01, 1.8479e-01, 2.8461e+00],  
 [3.4479e-01, 2.3397e-05, 4.8776e-02],  
 [1.3093e+00, 1.3093e-04, 1.1760e-01],  
 [8.4607e+01, 1.4140e+00, 3.2118e+00],  
 [1.6513e+00, 2.3668e-03, 1.8748e-01],  
 [1.4248e-02, 2.4611e-07, 2.2195e-03],  
 [5.8367e+00, 3.8811e-03, 2.4113e-01],

[1.5810e+02, 3.3707e+00, 3.2717e+00],  
 [3.4767e+01, 3.2588e-02, 8.5040e-01],  
 [1.5489e-01, 3.6199e-06, 2.4073e-02],  
 [9.3541e+00, 6.8559e-03, 7.4159e-01],  
 [6.2386e+01, 1.3214e-01, 1.2968e+00],  
 [5.5026e+00, 4.8616e-03, 3.6884e-01],  
 [1.1426e+01, 2.0063e-02, 6.6888e-01],  
 [9.9424e+01, 5.5682e-01, 2.5032e+00],  
 [2.8616e+00, 3.3725e-03, 1.9448e-01],  
 [2.6850e-01, 1.5410e-05, 2.4605e-02],  
 [1.0151e+02, 2.1629e-01, 3.1071e+00],  
 [2.7510e-01, 3.7129e-05, 2.6168e-02],  
 [4.6358e+01, 2.9727e-01, 1.0789e+00],  
 [2.6580e+01, 9.4992e-02, 8.4848e-01],  
 [2.9169e+00, 1.9000e-03, 1.9708e-01],  
 [4.4157e+01, 6.5711e-02, 2.1020e+00],  
 [1.4647e+02, 1.7826e+00, 2.6951e+00],  
 [3.0024e+01, 2.7479e-02, 9.5521e-01],  
 [6.7242e+01, 1.2518e+00, 2.8752e+00],  
 [4.9310e-01, 1.4696e-04, 6.2580e-02],  
 [8.8563e-01, 1.6635e-04, 6.8002e-02],  
 [5.6512e-01, 1.0263e-05, 4.6429e-02],  
 [1.1008e-01, 6.0207e-06, 1.4241e-02],  
 [4.3651e-02, 1.0953e-06, 6.4867e-03],  
 [2.0931e+01, 7.4932e-03, 8.1652e-01],  
 [1.6235e+02, 4.1188e+00, 3.2554e+00],  
 [6.8554e-01, 2.6163e-04, 8.2487e-02],  
 [3.8912e+01, 2.7652e-01, 1.1779e+00],  
 [2.0115e+01, 2.3278e-03, 9.9574e-01],  
 [4.0148e+00, 4.1020e-04, 2.9686e-01],  
 [1.5698e+00, 1.2145e-03, 1.5512e-01],  
 [7.5609e+01, 4.1653e-01, 2.0591e+00],  
 [1.0665e+02, 3.1222e+00, 3.5855e+00],  
 [2.1428e+00, 4.7369e-04, 2.4919e-01],  
 [6.5251e+00, 1.0650e-02, 3.8534e-01],  
 [2.1196e+00, 1.2004e-03, 1.5874e-01],  
 [5.4274e-01, 4.8516e-05, 3.8090e-02],  
 [3.0409e+01, 1.3811e-01, 7.6468e-01],  
 [2.8016e-02, 2.0604e-07, 4.0673e-03],  
 [1.1179e-02, 5.1800e-08, 1.6789e-03],  
 [3.7461e+00, 3.4712e-04, 2.3306e-01],  
 [4.4047e+01, 7.0629e-02, 3.0015e+00],  
 [7.2784e+00, 4.0045e-03, 5.3327e-01],  
 [2.5684e+01, 1.7630e-01, 1.8023e+00],  
 [1.7215e-01, 2.0185e-05, 2.1250e-02],  
 [2.5266e+01, 1.3960e-01, 1.6942e+00],  
 [9.8053e+01, 5.0266e-01, 2.5738e+00],  
 [1.1216e+02, 8.6709e-01, 2.5630e+00],



[1.9160e+00, 3.1819e-04, 1.4469e-01],  
 [2.2333e+01, 1.5633e-01, 8.5623e-01],  
 [9.4983e-01, 2.8198e-04, 7.9080e-02],  
 [1.9745e+00, 2.6040e-04, 2.1844e-01],  
 [7.0664e-01, 8.3291e-04, 9.2336e-02],  
 [1.6394e+02, 2.4585e+00, 2.9251e+00],  
 [5.0741e+00, 1.1155e-03, 4.1887e-01],  
 [4.6957e+00, 2.5706e-03, 4.0599e-01],  
 [3.2063e+01, 3.0058e-01, 1.0251e+00],  
 [6.6194e+00, 1.2912e-02, 5.8517e-01],  
 [5.6133e+01, 1.2214e+00, 2.3207e+00],  
 [4.9249e+01, 3.1626e-01, 2.2329e+00],  
 [2.8587e-01, 2.1314e-05, 3.6313e-02],  
 [1.2740e-01, 8.2238e-06, 1.7626e-02],  
 [3.2869e+01, 2.6255e-01, 2.3517e+00],  
 [2.0685e+00, 8.4982e-04, 1.1746e-01],  
 [3.6829e-01, 2.2621e-05, 3.2619e-02],  
 [2.7169e+01, 4.8138e-02, 1.0974e+00],  
 [7.1420e+00, 1.7660e-02, 5.6827e-01],  
 [2.7661e-01, 1.6373e-05, 3.9472e-02],  
 [1.3223e+01, 1.3345e-01, 1.1889e+00],  
 [2.9814e+01, 3.3525e-01, 1.1950e+00],  
 [1.1015e+00, 3.2628e-04, 1.4853e-01],  
 [4.9383e+01, 5.1868e-01, 1.3665e+00],  
 [1.1199e+02, 7.9832e-01, 2.5236e+00],  
 [4.7747e+00, 4.7366e-03, 3.6279e-01],  
 [7.8448e+00, 5.1688e-03, 3.3880e-01],  
 [1.4151e-01, 3.6168e-05, 2.0400e-02],  
 [6.2029e-02, 1.1294e-06, 7.8903e-03],  
 [2.1831e+01, 1.2262e-02, 1.0104e+00],  
 [4.5450e-02, 1.9312e-06, 6.4507e-03],  
 [8.6841e-03, 8.8463e-09, 1.3427e-03],  
 [7.4318e+01, 1.5550e-01, 2.0749e+00],  
 [1.0452e+01, 1.4823e-02, 5.1582e-01],  
 [3.5073e+00, 1.2334e-02, 3.3529e-01],  
 [3.5451e+01, 2.9465e-01, 1.1171e+00],  
 [1.1938e-01, 1.2181e-05, 1.6153e-02],  
 [6.9155e-02, 2.5803e-06, 1.0365e-02],  
 [1.4185e-01, 3.3962e-06, 1.9631e-02],  
 [4.5971e+01, 1.9919e-01, 2.2744e+00],  
 [1.1616e+00, 1.5952e-04, 1.0868e-01],  
 [3.8171e-01, 1.2341e-05, 3.6028e-02],  
 [4.5455e-03, 3.4785e-09, 7.3061e-04],  
 [1.8940e-02, 4.0921e-08, 2.8914e-03],  
 [7.6773e+00, 1.0033e-02, 6.0104e-01],  
 [3.2058e+01, 2.2145e-02, 1.6212e+00],  
 [5.1676e-02, 1.4510e-06, 6.8858e-03],  
 [1.1976e+01, 5.5663e-03, 5.7825e-01],

[3.8589e+01, 3.5320e-02, 2.7712e+00],  
 [1.7513e-01, 1.1974e-05, 2.0721e-02],  
 [3.0376e-01, 1.7425e-05, 3.8447e-02],  
 [5.5204e+00, 2.3031e-03, 3.8685e-01],  
 [3.8173e+02, 1.0191e+01, 5.1876e+00],  
 [2.6294e+01, 1.3656e-01, 9.1018e-01],  
 [4.2682e+01, 4.6975e-01, 1.1738e+00],  
 [1.8892e+02, 8.9886e+00, 4.6622e+00],  
 [5.2828e-01, 2.4741e-05, 5.2741e-02],  
 [2.4854e+00, 2.0952e-03, 2.0208e-01],  
 [1.0036e+00, 1.2273e-04, 9.8557e-02],  
 [1.1146e-01, 1.0706e-05, 1.6791e-02],  
 [8.1987e-01, 8.9002e-05, 8.1323e-02],  
 [6.2273e+00, 6.4440e-03, 3.7175e-01],  
 [9.6787e+00, 3.9007e-02, 8.8139e-01],  
 [1.8293e+00, 8.3752e-05, 1.1224e-01],  
 [2.1250e+00, 1.5735e-03, 1.7435e-01],  
 [3.8806e+00, 5.0294e-03, 3.6154e-01],  
 [1.0875e+02, 9.2410e-01, 2.5671e+00],  
 [1.5446e+00, 1.1543e-03, 1.2470e-01],  
 [5.1619e+00, 1.0788e-02, 4.3029e-01],  
 [2.8543e-02, 4.1728e-07, 3.9335e-03],  
 [3.5834e-01, 1.0175e-04, 3.9604e-02],  
 [4.0216e-01, 2.2806e-05, 4.8975e-02],  
 [2.0227e-02, 1.9010e-07, 3.2098e-03],  
 [4.3647e+01, 1.4374e-01, 1.2464e+00],  
 [5.6127e+01, 8.3014e-01, 3.3221e+00],  
 [9.1918e-01, 4.0814e-05, 6.9668e-02],  
 [2.6384e-01, 2.6855e-05, 3.7289e-02],  
 [1.7712e-01, 1.6854e-05, 1.9743e-02],  
 [6.7427e+00, 4.2730e-02, 6.4281e-01],  
 [4.1391e+01, 6.1145e-01, 1.1782e+00],  
 [1.3468e+02, 4.6304e+00, 3.7860e+00],  
 [2.1870e-02, 3.2917e-07, 3.2843e-03],  
 [1.4812e+01, 4.2073e-02, 5.7213e-01],  
 [4.8563e+01, 3.1021e-01, 1.0118e+00],  
 [2.8190e+00, 7.0879e-05, 2.0513e-01],  
 [2.9522e+02, 1.0515e+01, 4.3072e+00],  
 [3.5291e+00, 2.0723e-03, 2.8058e-01],  
 [4.5922e+01, 3.7184e-01, 1.0702e+00],  
 [1.0655e-01, 1.3732e-06, 1.2072e-02],  
 [2.7078e+00, 1.3654e-03, 1.8868e-01],  
 [2.1462e+02, 2.8900e+00, 3.2980e+00],  
 [5.6692e+01, 2.8884e-01, 1.4257e+00],  
 [1.0773e+01, 2.9764e-02, 6.2371e-01],  
 [5.5244e+01, 7.8983e-02, 2.0316e+00],  
 [8.6083e-02, 6.7212e-06, 1.0120e-02],  
 [1.0500e+01, 5.2441e-02, 6.4766e-01],

[1.0270e+01, 1.4376e-02, 4.3985e-01],  
 [5.7747e-01, 1.0079e-05, 4.8306e-02],  
 [8.7153e-02, 1.5788e-06, 1.3120e-02],  
 [2.7578e-01, 2.7390e-05, 2.4859e-02],  
 [2.2372e-01, 5.9611e-06, 2.6973e-02],  
 [7.0287e+00, 1.7475e-02, 5.0950e-01],  
 [5.1671e-01, 3.1909e-05, 6.5759e-02],  
 [7.1068e+01, 1.1384e+00, 2.2376e+00],  
 [3.0502e+01, 1.1347e-01, 1.1611e+00],  
 [3.2903e-02, 8.5760e-07, 5.0466e-03],  
 [1.0433e+00, 7.4015e-05, 1.0717e-01],  
 [1.9043e-02, 8.8277e-08, 2.7738e-03],  
 [5.1140e+01, 3.1365e-01, 2.5047e+00],  
 [1.0594e+00, 4.3478e-04, 8.1166e-02],  
 [3.0170e-01, 1.3161e-05, 3.1179e-02],  
 [1.0335e-01, 1.7300e-06, 1.2692e-02],  
 [1.6326e+02, 3.2110e+00, 2.5106e+00],  
 [6.4455e+00, 3.1068e-03, 7.4877e-01],  
 [1.4806e+01, 5.3633e-02, 7.0780e-01],  
 [4.8284e+01, 3.2051e-01, 1.9133e+00],  
 [8.2393e-01, 5.4135e-04, 9.2205e-02],  
 [2.0733e+00, 4.4667e-03, 2.1662e-01],  
 [1.2362e+02, 1.6917e+00, 2.1187e+00],  
 [2.5658e+01, 4.5526e-02, 1.4476e+00],  
 [5.7672e+00, 5.6718e-03, 3.6166e-01],  
 [3.7020e+01, 5.6007e-01, 2.7764e+00],  
 [4.8431e+01, 1.9098e-01, 1.5217e+00],  
 [2.1655e+01, 4.3947e-02, 6.0766e-01],  
 [1.9351e+01, 2.3737e-02, 6.7781e-01],  
 [7.7321e+01, 1.9873e+00, 2.0141e+00],  
 [1.8133e+01, 8.9507e-02, 8.5650e-01],  
 [4.7463e+01, 4.6090e-01, 1.6124e+00],  
 [6.6378e-01, 2.2774e-04, 8.4694e-02],  
 [3.0331e-01, 7.6016e-05, 3.5057e-02],  
 [4.1990e-02, 2.4614e-06, 6.3186e-03],  
 [1.0091e-02, 6.8848e-08, 1.5367e-03],  
 [9.8889e+01, 1.2604e+00, 3.8349e+00],  
 [3.5468e-02, 1.9808e-06, 5.1359e-03],  
 [2.7305e+00, 2.0379e-03, 2.4544e-01],  
 [2.8714e+00, 1.6125e-03, 1.7780e-01],  
 [6.5805e+00, 8.6003e-03, 3.5432e-01],  
 [2.0371e+02, 1.6034e-01, 4.4274e+00],  
 [1.2177e+01, 2.8555e-02, 6.1228e-01],  
 [8.6652e+01, 9.6162e-01, 3.1444e+00],  
 [2.6658e+01, 1.1286e-01, 6.9496e-01],  
 [1.5460e-01, 2.7377e-06, 1.9908e-02],  
 [1.2582e+01, 3.3729e-02, 4.7911e-01],  
 [1.9951e+02, 5.6678e-01, 3.7293e+00],

[4.6488e+01, 1.5431e-01, 1.1674e+00],  
 [9.6317e+01, 1.5890e+00, 2.6216e+00],  
 [8.9281e-04, 1.0234e-09, 1.4419e-04],  
 [9.7281e-02, 2.0816e-06, 1.3516e-02],  
 [1.2238e-02, 3.6306e-08, 1.8693e-03],  
 [2.3149e+02, 7.1031e+00, 4.4430e+00],  
 [9.3200e+01, 1.9241e+00, 3.3934e+00],  
 [1.5760e-01, 8.4245e-07, 1.6841e-02],  
 [7.0407e-01, 2.4312e-04, 8.5844e-02],  
 [4.5565e-03, 1.3892e-08, 7.1432e-04],  
 [4.7162e+00, 8.8683e-04, 3.2579e-01],  
 [1.0449e+00, 1.3778e-04, 1.2590e-01],  
 [1.6093e-02, 3.9198e-07, 2.4923e-03],  
 [2.9818e+00, 1.4114e-03, 2.5937e-01],  
 [1.2222e+02, 1.0199e+00, 3.7112e+00],  
 [4.0430e+01, 9.0345e-02, 1.2305e+00],  
 [4.2436e-02, 1.0494e-06, 5.9865e-03],  
 [2.0577e-03, 1.5655e-09, 3.3391e-04],  
 [2.0279e-01, 2.5243e-05, 2.3535e-02],  
 [4.6009e-01, 1.3028e-04, 5.7660e-02],  
 [1.6945e-01, 1.6345e-05, 2.5202e-02],  
 [5.5356e+01, 4.3087e-01, 1.7627e+00],  
 [1.3899e+01, 3.0883e-02, 1.2210e+00],  
 [1.2269e+01, 1.9584e-02, 4.5154e-01],  
 [6.2404e+01, 5.5073e-01, 1.3030e+00],  
 [3.3824e+00, 2.6104e-03, 2.4764e-01],  
 [1.9791e+02, 1.7371e+00, 3.9451e+00],  
 [4.6358e-04, 3.3829e-11, 7.5782e-05],  
 [2.3071e+01, 3.5883e-02, 1.0875e+00],  
 [2.6918e+01, 2.4673e-02, 7.4614e-01],  
 [2.3094e+00, 1.2561e-03, 1.7826e-01],  
 [6.4504e-02, 1.5520e-06, 8.6718e-03],  
 [4.8020e+01, 4.3115e-01, 1.1421e+00],  
 [1.4048e-02, 1.4326e-08, 2.0566e-03],  
 [2.1918e-02, 2.6547e-07, 3.4193e-03],  
 [1.0334e+02, 1.2434e+00, 3.6662e+00],  
 [7.5714e-01, 1.3991e-05, 7.9427e-02],  
 [1.6708e+02, 2.6599e+00, 2.8200e+00],  
 [7.5547e+00, 8.1069e-03, 3.9512e-01],  
 [2.4622e+02, 2.8634e+00, 4.2490e+00],  
 [2.8772e+01, 2.0296e-02, 1.2051e+00],  
 [2.3845e+00, 2.8017e-04, 1.3703e-01],  
 [7.2538e+01, 3.5499e-01, 1.4612e+00],  
 [1.0087e-01, 4.8373e-06, 1.2068e-02],  
 [1.8048e+01, 9.2133e-03, 5.1308e-01],  
 [4.0156e+01, 5.1559e-01, 1.7417e+00],  
 [1.9332e+02, 1.3677e+00, 4.6341e+00],  
 [3.8930e-01, 4.2343e-05, 3.8473e-02],

```

[7.4870e+01, 7.7486e-02, 1.5893e+00],
[1.8483e-01, 1.6452e-05, 2.1822e-02],
[2.1570e+00, 9.0215e-04, 1.8437e-01],
[7.8290e-01, 5.3732e-05, 5.3614e-02],
[3.6806e+01, 8.1198e-02, 2.2323e+00],
[7.3201e-03, 5.3964e-09, 1.1104e-03],
[5.9967e+01, 2.9097e-01, 1.9672e+00],
[6.8663e+00, 4.8890e-03, 4.3521e-01],
[1.5295e+01, 1.0115e-01, 1.1456e+00],
[2.8571e-01, 4.1798e-05, 4.1440e-02],
[2.0665e-01, 2.0276e-05, 2.2701e-02],
[1.6440e+02, 2.8390e+00, 2.5217e+00]], dtype=torch.float64)
Iteration: 140
Inputs: tensor([[5.8955e+20, 4.8676e+02, 1.9068e+00, 7.8827e+00],
[2.7795e+18, 1.3597e+02, 6.2290e+00, 6.4807e+00],
[5.2140e+18, 4.3738e+02, 1.4856e+01, 3.8790e+00],
...,
[3.2975e+18, 2.0908e+02, 1.7860e+01, 9.5782e+00],
[1.1210e+20, 2.6754e+02, 1.4461e+01, 5.3740e+00],
[3.7660e+19, 2.0500e+02, 1.0272e+01, 7.2057e+00]], dtype=torch.float64)
Target: tensor([[2.7076e+02, 5.9870e+00, 3.9477e+00],
[2.1595e-01, 1.4472e-05, 2.5252e-02],
[9.3169e-01, 1.5827e-04, 8.5252e-02],
[8.1215e+01, 2.0127e+00, 2.9460e+00],
[1.3711e+02, 2.6492e+00, 2.9698e+00],
[5.2389e+01, 2.1856e-01, 3.0668e+00],
[6.1210e+00, 8.2082e-03, 3.6214e-01],
[1.6691e+01, 3.2201e-02, 1.1892e+00],
[8.9948e+00, 4.8554e-02, 8.2588e-01],
[3.2060e-03, 8.7065e-09, 5.0224e-04],
[3.3315e+01, 8.1199e-03, 1.1953e+00],
[3.0434e+01, 2.1333e-01, 1.0004e+00],
[6.2567e+00, 1.4283e-02, 5.7328e-01],
[1.8386e+02, 2.2159e+00, 4.4131e+00],
[3.0958e+00, 6.3979e-04, 1.8700e-01],
[3.4628e+00, 5.3003e-03, 3.3112e-01],
[1.5253e+02, 4.1392e-01, 2.4920e+00],
[5.6830e-01, 1.7044e-05, 4.3946e-02],
[9.7642e+00, 1.3674e-02, 6.8054e-01],
[1.2152e+01, 1.3441e-02, 4.6017e-01],
[4.9599e-01, 4.5318e-05, 6.5408e-02],
[2.5935e+01, 2.4463e-01, 1.2929e+00],
[1.8594e+00, 9.8484e-04, 1.9836e-01],
[4.1185e+01, 1.5971e-01, 9.8244e-01],
[1.3939e+02, 2.0493e+00, 3.9919e+00],
[6.9314e-01, 2.8706e-04, 7.1015e-02],
[4.1162e+00, 3.4139e-03, 3.3485e-01],
[2.1589e+00, 1.4602e-03, 1.6802e-01],

```

[1.9265e+01, 2.8005e-02, 5.8890e-01],  
 [5.2631e+01, 3.9594e-01, 3.1654e+00],  
 [1.8318e-02, 5.2709e-08, 2.6847e-03],  
 [2.6573e+00, 1.3308e-03, 1.8060e-01],  
 [4.3683e-01, 9.0027e-05, 4.4626e-02],  
 [1.4116e+01, 6.1114e-02, 8.7744e-01],  
 [4.0154e+01, 4.0572e-02, 1.3313e+00],  
 [7.0524e+00, 4.8035e-03, 3.9291e-01],  
 [2.4744e+01, 1.7837e-01, 8.4393e-01],  
 [5.5564e+01, 1.2525e+00, 2.1747e+00],  
 [2.7541e+00, 1.0246e-03, 2.3473e-01],  
 [5.2349e+01, 1.3707e+00, 3.3577e+00],  
 [5.4780e+01, 1.7583e-01, 2.1735e+00],  
 [5.8120e-02, 8.8678e-07, 8.1236e-03],  
 [3.2528e+00, 9.3470e-05, 1.8610e-01],  
 [7.2793e+00, 1.2670e-02, 4.2891e-01],  
 [6.7679e+01, 2.2590e-01, 2.3050e+00],  
 [8.2290e-01, 6.2816e-05, 6.7628e-02],  
 [8.8144e+01, 1.3852e+00, 3.8186e+00],  
 [9.0763e-01, 3.6412e-04, 8.7988e-02],  
 [7.3677e-03, 5.1416e-08, 1.1219e-03],  
 [1.6777e+00, 2.6129e-04, 2.1022e-01],  
 [1.6512e+00, 2.5890e-04, 1.2759e-01],  
 [1.6735e+01, 6.8029e-02, 9.4866e-01],  
 [3.5210e+00, 1.7223e-03, 2.2715e-01],  
 [8.3854e+01, 6.5828e-01, 2.1094e+00],  
 [3.1649e+01, 5.3264e-01, 2.3468e+00],  
 [9.3845e-01, 7.0042e-05, 9.3308e-02],  
 [5.4770e-01, 1.4590e-04, 4.9161e-02],  
 [3.5612e-01, 3.4109e-05, 3.5229e-02],  
 [3.4543e-02, 1.8717e-06, 5.2149e-03],  
 [2.1621e+01, 2.8690e-02, 6.7942e-01],  
 [3.2181e+00, 5.3696e-04, 2.5668e-01],  
 [1.1837e+01, 2.2673e-02, 5.8206e-01],  
 [4.8176e+01, 2.8643e-02, 1.5508e+00],  
 [1.1139e+02, 1.8496e+00, 3.0792e+00],  
 [3.7525e-01, 5.2027e-05, 3.6314e-02],  
 [8.6413e+01, 7.9079e-01, 1.9637e+00],  
 [1.6352e+02, 7.1777e+00, 3.6373e+00],  
 [2.2056e+00, 1.5446e-03, 2.4480e-01],  
 [4.0200e+01, 1.9585e-01, 1.8874e+00],  
 [2.4663e-01, 5.0895e-06, 2.8858e-02],  
 [3.9178e+00, 1.0356e-03, 5.1226e-01],  
 [4.9730e+01, 1.9560e-02, 2.3256e+00],  
 [6.0276e+01, 5.8036e-01, 2.0196e+00],  
 [4.4685e+01, 1.0114e-01, 1.9294e+00],  
 [6.1681e+00, 5.0411e-03, 6.3719e-01],  
 [2.1049e+01, 3.5132e-02, 6.1715e-01],

[6.8586e+01, 3.9188e-01, 3.0321e+00],  
 [3.2221e+01, 3.7916e-01, 1.4553e+00],  
 [9.7575e+00, 3.5914e-02, 6.0660e-01],  
 [6.6701e+01, 6.5608e-02, 2.5083e+00],  
 [2.8914e+01, 2.3727e-01, 9.1144e-01],  
 [5.3621e+01, 3.8892e-01, 1.8660e+00],  
 [2.1739e-02, 3.4114e-07, 3.1455e-03],  
 [1.3505e+02, 1.2388e+00, 4.4009e+00],  
 [2.0964e-01, 1.1933e-05, 2.5244e-02],  
 [4.6481e-01, 2.4009e-05, 5.6666e-02],  
 [3.6965e+00, 1.2532e-03, 2.1027e-01],  
 [4.8578e-02, 1.1407e-06, 6.6897e-03],  
 [5.3802e+00, 2.2465e-02, 4.3598e-01],  
 [3.2265e+00, 9.2220e-04, 2.1410e-01],  
 [4.1127e+00, 1.5708e-03, 3.2544e-01],  
 [1.4605e+02, 1.8310e+00, 3.4339e+00],  
 [1.3442e+01, 2.1493e-02, 4.9865e-01],  
 [1.6914e+02, 2.0184e-01, 3.7638e+00],  
 [4.2945e+01, 1.6043e-01, 2.3506e+00],  
 [1.8189e+02, 1.8520e+00, 3.2436e+00],  
 [4.4642e+01, 2.4086e-01, 2.4636e+00],  
 [6.8454e-01, 1.3303e-05, 6.2781e-02],  
 [7.2733e-01, 9.1333e-05, 7.3493e-02],  
 [2.1217e+02, 1.5722e+00, 3.8651e+00],  
 [1.6888e+01, 5.4648e-02, 7.1706e-01],  
 [1.7349e+01, 5.2296e-02, 6.8787e-01],  
 [9.2589e-01, 2.7292e-04, 7.9002e-02],  
 [4.0429e-01, 3.1558e-05, 3.3847e-02],  
 [1.2711e+01, 1.1514e-02, 9.2960e-01],  
 [3.7917e+00, 1.3518e-03, 1.6337e-01],  
 [3.1139e-01, 2.2186e-05, 2.8553e-02],  
 [4.3794e-02, 4.0641e-07, 6.0164e-03],  
 [5.8298e+01, 3.4561e-01, 1.7190e+00],  
 [4.0948e+00, 4.0420e-03, 2.7079e-01],  
 [1.7133e+01, 5.2688e-02, 8.6072e-01],  
 [2.8159e+01, 2.1058e-02, 1.4124e+00],  
 [1.1199e+02, 7.8468e-01, 3.9916e+00],  
 [4.3025e+00, 3.8481e-03, 2.6520e-01],  
 [6.4997e+01, 2.1170e-01, 2.7475e+00],  
 [1.0526e+02, 1.3518e+00, 3.4473e+00],  
 [3.0682e+01, 2.4896e-01, 1.4454e+00],  
 [2.1016e+00, 5.2064e-04, 1.5159e-01],  
 [1.1588e+02, 1.5601e-01, 3.5126e+00],  
 [5.4197e+00, 1.7396e-03, 4.9577e-01],  
 [3.9698e+01, 8.7097e-01, 2.7879e+00],  
 [7.9519e+01, 6.0203e-01, 1.5648e+00],  
 [3.2687e+00, 1.1564e-03, 2.9708e-01],  
 [8.3185e+00, 4.3994e-03, 3.3297e-01],

[4.9987e+01, 6.4561e-01, 1.4698e+00],  
 [3.1599e+01, 4.0957e-01, 2.5131e+00],  
 [5.4465e-03, 4.1848e-08, 8.5417e-04],  
 [1.4204e+00, 1.7971e-04, 1.0209e-01],  
 [3.5097e+00, 1.3291e-03, 1.8616e-01],  
 [7.5694e+00, 5.2673e-03, 5.8583e-01],  
 [1.0094e+00, 1.3894e-04, 9.2877e-02],  
 [8.1295e+00, 5.7772e-03, 8.7807e-01],  
 [3.6006e+01, 7.9851e-02, 8.1687e-01],  
 [4.5177e-02, 2.5527e-07, 6.1826e-03],  
 [2.2521e-01, 1.0550e-05, 2.2581e-02],  
 [9.2474e+00, 2.3728e-02, 5.1844e-01],  
 [2.9975e+01, 2.6923e-01, 2.1237e+00],  
 [4.3257e+00, 7.9396e-04, 3.2710e-01],  
 [2.1043e+02, 1.5461e+00, 3.4056e+00],  
 [1.1762e+01, 1.3530e-02, 4.9605e-01],  
 [9.2617e+00, 1.2886e-02, 3.6748e-01],  
 [3.7141e+00, 1.3477e-03, 2.0180e-01],  
 [9.3245e-01, 5.4422e-05, 6.7868e-02],  
 [1.7397e+01, 3.4429e-02, 7.4510e-01],  
 [1.6442e+01, 1.0813e-01, 1.0755e+00],  
 [2.0858e-01, 2.2899e-05, 2.2880e-02],  
 [2.0739e+02, 8.7592e-01, 3.5624e+00],  
 [1.9510e-01, 3.4386e-05, 2.5449e-02],  
 [3.4941e+00, 1.3522e-03, 1.6209e-01],  
 [1.0573e-01, 1.4375e-06, 1.4710e-02],  
 [8.9670e-02, 4.4007e-06, 1.2620e-02],  
 [5.7419e+00, 4.5871e-03, 2.4314e-01],  
 [6.1894e+00, 5.4064e-04, 2.4537e-01],  
 [1.0802e+02, 3.2231e+00, 4.0360e+00],  
 [3.5697e+00, 8.3902e-05, 1.8280e-01],  
 [8.1133e-03, 2.7130e-08, 1.2323e-03],  
 [5.3761e+00, 1.4115e-03, 4.3990e-01],  
 [1.1568e+01, 2.9117e-02, 5.5367e-01],  
 [1.1125e-02, 7.0731e-08, 1.7670e-03],  
 [6.7162e-01, 2.8087e-05, 6.7543e-02],  
 [6.5662e+01, 7.6128e-01, 2.2489e+00],  
 [2.1547e+01, 4.3816e-02, 1.8679e+00],  
 [8.7416e-02, 4.7643e-06, 1.1801e-02],  
 [1.1486e-02, 7.2528e-08, 1.8392e-03],  
 [2.2422e+01, 4.3544e-02, 1.2010e+00],  
 [2.2359e+01, 3.9039e-02, 7.3879e-01],  
 [2.7558e-01, 4.2919e-05, 3.4554e-02],  
 [3.7345e-01, 5.8725e-05, 4.8392e-02],  
 [1.2605e+02, 2.5356e+00, 2.6730e+00],  
 [1.8693e+01, 6.5269e-02, 1.5877e+00],  
 [2.1064e-01, 2.6168e-05, 2.6521e-02],  
 [6.9476e+00, 5.7467e-02, 8.1087e-01],



[6.4538e+01, 5.1267e-01, 2.8197e+00],  
 [1.3081e+01, 3.4724e-02, 6.6796e-01],  
 [1.3015e-01, 2.7514e-06, 1.4747e-02],  
 [9.2467e+00, 1.6263e-02, 3.8866e-01],  
 [7.8699e-01, 5.1097e-04, 8.2154e-02],  
 [1.2552e+02, 8.4238e-01, 2.3789e+00],  
 [8.8657e+00, 1.4489e-02, 5.5095e-01],  
 [4.9754e+00, 2.2130e-03, 2.8935e-01],  
 [7.1724e+01, 1.4457e-01, 3.1227e+00],  
 [1.6872e-01, 1.2986e-05, 2.1453e-02],  
 [3.0677e-02, 4.6168e-07, 4.3047e-03],  
 [4.9723e-02, 2.7410e-06, 7.0362e-03],  
 [1.2857e+02, 3.2840e+00, 4.4425e+00],  
 [5.9045e+01, 1.8892e-01, 2.1218e+00],  
 [8.2348e-01, 1.5024e-04, 8.0397e-02],  
 [1.5835e+01, 7.3855e-02, 7.6115e-01],  
 [2.6293e+00, 1.1637e-03, 1.8139e-01],  
 [1.6931e+00, 1.8353e-03, 1.5023e-01],  
 [2.8438e+01, 5.2593e-02, 2.2778e+00],  
 [2.2044e+01, 6.9625e-02, 8.6927e-01],  
 [5.4343e-02, 1.8870e-06, 6.9651e-03],  
 [4.3661e+01, 1.7674e-01, 2.2292e+00],  
 [2.1853e+02, 1.0393e+01, 4.9924e+00],  
 [9.7574e+01, 1.2554e+00, 2.5657e+00],  
 [9.0754e-01, 4.0969e-04, 7.9516e-02],  
 [5.5701e-01, 1.4527e-04, 6.9893e-02],  
 [2.8829e-01, 5.8388e-05, 2.7096e-02],  
 [1.1199e+01, 9.9104e-03, 1.0292e+00],  
 [4.3499e-02, 8.3920e-07, 6.0148e-03],  
 [6.7716e+00, 2.8500e-02, 5.8846e-01],  
 [2.4450e-02, 5.8806e-07, 3.6277e-03],  
 [4.3850e-01, 1.9589e-05, 4.9472e-02],  
 [2.9933e+01, 1.7801e-01, 1.2983e+00],  
 [4.9120e+00, 3.0151e-03, 3.2686e-01],  
 [1.1321e+01, 1.0177e-02, 5.0618e-01],  
 [1.2505e+01, 1.8734e-02, 4.5770e-01],  
 [1.2944e+00, 4.3664e-04, 9.5613e-02],  
 [5.5525e+01, 1.5672e-01, 1.8796e+00],  
 [1.2046e+02, 2.3692e+00, 3.4325e+00],  
 [1.0148e+01, 8.9003e-03, 7.2777e-01],  
 [4.0332e-01, 1.7583e-06, 3.4496e-02],  
 [3.9192e+00, 1.1300e-03, 3.0998e-01],  
 [2.8397e+01, 1.7893e-01, 8.6327e-01],  
 [3.8105e+01, 2.6729e-01, 1.3070e+00],  
 [2.4757e-01, 1.5619e-05, 2.7529e-02],  
 [2.7372e+01, 1.4265e-01, 1.0317e+00],  
 [2.0045e-01, 2.2035e-06, 2.5752e-02],  
 [4.6670e-03, 1.0348e-08, 7.2372e-04],

[3.5714e+01, 2.0742e-01, 1.5624e+00],  
 [1.4796e+00, 3.1681e-04, 9.6082e-02],  
 [1.9563e-02, 7.7471e-08, 2.8986e-03],  
 [4.8276e+01, 6.1484e-01, 1.5543e+00],  
 [1.3969e+02, 9.8442e-01, 2.9277e+00],  
 [6.7789e-03, 4.2938e-09, 1.0542e-03],  
 [8.5327e-01, 1.5015e-04, 1.0400e-01],  
 [1.5275e+01, 3.8782e-02, 7.1588e-01],  
 [1.0594e+02, 3.0868e+00, 3.5152e+00],  
 [1.2743e-01, 1.3243e-05, 1.6226e-02],  
 [4.2728e+00, 3.6195e-04, 2.7899e-01],  
 [3.7516e-01, 4.0146e-05, 4.3938e-02],  
 [1.0326e+01, 1.4723e-02, 3.6916e-01],  
 [2.7922e-01, 9.7847e-06, 2.6698e-02],  
 [9.4348e-01, 1.1789e-04, 6.4985e-02],  
 [2.7740e+01, 7.9906e-02, 1.5065e+00],  
 [2.6936e-01, 1.7603e-05, 2.9853e-02],  
 [4.5570e+01, 1.0630e-01, 1.3582e+00],  
 [1.8489e+00, 1.0654e-03, 1.5406e-01],  
 [5.0865e+01, 2.2218e-01, 2.5546e+00],  
 [1.7792e-03, 1.0655e-09, 2.8494e-04],  
 [3.5484e+01, 8.3308e-02, 1.4069e+00],  
 [2.7174e-03, 1.6271e-09, 4.3948e-04],  
 [3.1039e+00, 7.8792e-04, 2.2436e-01],  
 [1.4433e+02, 2.3022e+00, 2.9843e+00],  
 [4.1813e+01, 2.0355e-01, 1.1292e+00],  
 [3.6921e+01, 4.0688e-02, 1.8886e+00],  
 [6.0654e-01, 3.1817e-05, 5.4718e-02],  
 [1.6319e+02, 1.4090e+00, 3.1329e+00],  
 [5.6547e-01, 1.3404e-04, 5.2694e-02],  
 [3.2592e+00, 3.4477e-04, 3.8596e-01],  
 [8.3830e+00, 1.9092e-03, 7.5049e-01],  
 [2.0900e+00, 1.6942e-04, 1.4583e-01],  
 [1.2043e+01, 3.0545e-02, 4.2867e-01],  
 [1.9484e+02, 4.3439e+00, 4.3809e+00],  
 [5.1476e-01, 1.0073e-05, 4.9002e-02],  
 [5.0897e-03, 1.1039e-08, 8.1524e-04],  
 [1.9404e+00, 6.1423e-04, 1.6268e-01],  
 [6.4771e-01, 1.2664e-04, 5.4429e-02],  
 [4.8652e+01, 7.7638e-01, 1.4487e+00],  
 [2.4677e+01, 1.6949e-01, 7.7465e-01],  
 [4.1787e+01, 1.5456e-02, 1.4667e+00],  
 [5.1458e+01, 4.2000e-01, 1.6846e+00],  
 [4.3576e-01, 6.5016e-05, 5.3875e-02],  
 [7.9567e+00, 5.4740e-03, 6.3181e-01],  
 [1.0103e+02, 5.9899e-01, 3.5482e+00],  
 [4.3580e+01, 7.7689e-02, 1.3833e+00],  
 [4.9553e+01, 3.3704e-01, 2.1459e+00],

[3.3663e+00, 4.5260e-03, 2.0364e-01],  
 [1.3041e-01, 8.7900e-06, 1.5156e-02],  
 [1.1897e+02, 1.3287e+00, 2.4606e+00],  
 [4.7731e-02, 1.5685e-06, 6.3336e-03],  
 [8.4270e+01, 9.7325e-01, 1.7167e+00],  
 [3.0695e+01, 1.9915e-01, 1.4231e+00],  
 [7.0380e+01, 4.7528e-01, 2.1579e+00],  
 [5.4137e-01, 1.5216e-04, 4.6462e-02],  
 [6.4123e-01, 4.6371e-04, 8.1530e-02],  
 [4.7845e+00, 1.3537e-02, 3.5274e-01],  
 [1.4013e-02, 4.1938e-08, 2.1765e-03],  
 [1.0866e+00, 2.0395e-04, 7.8977e-02],  
 [1.9699e+00, 1.0581e-03, 2.5036e-01],  
 [1.1125e-01, 6.5689e-07, 1.4772e-02],  
 [1.0534e+02, 1.5880e+00, 2.5859e+00],  
 [7.2827e-01, 2.8629e-04, 6.9592e-02],  
 [1.2608e-01, 2.0050e-05, 1.7733e-02],  
 [2.0531e+01, 7.7236e-02, 1.1729e+00],  
 [2.4455e+00, 6.9680e-04, 1.7470e-01],  
 [3.2725e+01, 1.3590e-01, 1.4428e+00],  
 [2.9324e+00, 1.2325e-03, 2.8018e-01],  
 [3.8460e+00, 6.2828e-03, 2.2052e-01],  
 [8.2330e+01, 3.4566e-01, 2.7145e+00],  
 [9.6185e+01, 8.1095e-01, 2.4058e+00],  
 [7.8960e+00, 2.6177e-02, 6.3960e-01],  
 [5.2859e+00, 7.3279e-04, 2.4446e-01],  
 [8.3092e-03, 1.2330e-07, 1.2719e-03],  
 [7.0772e+01, 3.7378e-01, 3.1785e+00],  
 [8.9932e-04, 1.9167e-10, 1.4528e-04],  
 [2.4192e-01, 6.5470e-05, 3.4343e-02],  
 [2.6422e-01, 1.6568e-05, 3.5727e-02],  
 [6.5624e+01, 2.5443e-01, 2.3881e+00],  
 [1.6478e+02, 3.7538e+00, 3.9352e+00],  
 [2.1530e+02, 3.6135e+00, 3.2643e+00],  
 [3.2108e-01, 9.2643e-06, 3.4676e-02],  
 [1.2331e+02, 2.6060e+00, 3.1560e+00],  
 [1.2050e+00, 6.8327e-04, 1.1674e-01],  
 [1.1726e+02, 2.6420e+00, 3.5235e+00],  
 [2.3238e+02, 6.9175e+00, 4.6771e+00],  
 [8.8244e+00, 1.9905e-02, 6.4375e-01],  
 [1.5585e+02, 3.7502e+00, 3.0019e+00],  
 [1.8788e+00, 3.2669e-04, 1.0604e-01],  
 [4.3372e+01, 1.9623e-01, 2.8242e+00],  
 [4.8121e+01, 6.0641e-01, 2.1738e+00],  
 [1.0251e+00, 2.4543e-04, 8.7779e-02],  
 [7.5881e+01, 6.8931e-01, 2.9792e+00],  
 [1.1648e+01, 3.0143e-02, 5.3186e-01],  
 [9.1538e+01, 6.6348e-01, 3.2192e+00],

```

[4.4172e+01, 4.0173e-02, 1.0504e+00],
[3.1761e-01, 9.0342e-05, 3.5304e-02],
[2.8569e+01, 1.4786e-01, 1.2939e+00],
[1.1969e+01, 3.3393e-02, 6.2787e-01]], dtype=torch.float64)
Iteration: 141
Inputs: tensor([[1.9299e+19, 3.3907e+02, 6.8166e+00, 1.4818e+00],
[2.5115e+20, 3.1928e+02, 1.6621e+01, 1.5677e+00],
[1.4148e+18, 2.0868e+01, 1.4710e+01, 1.5205e+00],
...,
[2.9483e+18, 3.9548e+02, 7.3183e+00, 2.4757e+00],
[5.8630e+19, 3.5775e+02, 1.7235e+01, 8.1337e+00],
[2.2135e+18, 2.9970e+02, 1.4760e+01, 6.8279e+00]], dtype=torch.float64)
Target: tensor([[3.4872e+00, 3.7370e-04, 2.7630e-01],
[1.9213e+01, 2.7712e-02, 1.4031e+00],
[6.4345e-05, 8.5773e-13, 1.0645e-05],
[7.4059e+00, 4.3803e-03, 4.3001e-01],
[2.3833e+01, 1.6108e-01, 1.0478e+00],
[1.6896e-01, 5.8774e-06, 1.8334e-02],
[1.9543e-01, 1.5025e-06, 2.1825e-02],
[5.4850e+01, 3.0869e-01, 1.8171e+00],
[1.1028e+01, 3.5027e-02, 5.0934e-01],
[7.3864e+00, 9.0311e-03, 3.4892e-01],
[1.8902e+01, 9.8799e-02, 8.0524e-01],
[8.7307e+01, 1.1796e+00, 2.1882e+00],
[1.1371e+02, 1.0260e+00, 2.6939e+00],
[2.1748e+02, 4.3862e+00, 3.8899e+00],
[1.5562e+02, 4.6960e+00, 4.0861e+00],
[7.6771e-02, 3.8845e-06, 1.0622e-02],
[6.9582e-01, 1.3547e-04, 7.3430e-02],
[1.9227e-01, 1.7302e-06, 2.1487e-02],
[3.8746e-01, 1.3621e-05, 3.8323e-02],
[2.5221e+01, 1.6904e-01, 1.0405e+00],
[2.0582e-01, 1.4603e-05, 1.9833e-02],
[5.6837e-01, 7.3184e-05, 4.7409e-02],
[2.7201e+01, 2.2269e-01, 8.9476e-01],
[1.7041e+01, 4.4135e-02, 5.1876e-01],
[1.1736e+02, 3.6399e+00, 3.2732e+00],
[1.7681e+01, 4.5120e-02, 1.5990e+00],
[4.0685e+00, 7.4896e-03, 3.0893e-01],
[3.9014e+01, 6.0187e-02, 1.2762e+00],
[4.5028e+01, 5.3728e-02, 1.1483e+00],
[2.2261e+01, 4.3413e-02, 1.3507e+00],
[8.2368e+00, 7.1729e-03, 4.5007e-01],
[1.4202e+02, 2.6082e+00, 2.9024e+00],
[2.4948e+02, 7.8813e+00, 5.0866e+00],
[5.5573e+01, 6.4464e-01, 1.6272e+00],
[2.1486e+01, 7.6140e-02, 1.2631e+00],
[4.5727e-01, 5.5026e-05, 3.8913e-02],

```

[8.2560e-01, 9.0773e-05, 1.0003e-01],  
 [1.0651e+02, 2.9366e+00, 4.3268e+00],  
 [3.0703e+00, 4.1329e-03, 2.1581e-01],  
 [1.8396e+01, 1.0639e-02, 1.1658e+00],  
 [5.1142e+00, 2.5407e-03, 2.2491e-01],  
 [4.2934e+00, 3.0116e-03, 2.3100e-01],  
 [2.4880e+01, 1.8131e-01, 8.3595e-01],  
 [2.0383e+02, 1.1864e+01, 4.5304e+00],  
 [6.9939e+01, 6.2711e-01, 1.7868e+00],  
 [3.6647e+00, 2.0351e-03, 2.4498e-01],  
 [1.3794e+02, 3.0172e+00, 3.9665e+00],  
 [5.3163e+00, 1.5104e-03, 3.2686e-01],  
 [4.1363e+00, 1.0439e-03, 3.0099e-01],  
 [3.0814e+01, 9.6269e-02, 8.3892e-01],  
 [1.3680e+02, 2.1023e+00, 3.5565e+00],  
 [1.8523e+01, 1.7334e-01, 1.0797e+00],  
 [6.1176e-01, 7.1692e-05, 6.7395e-02],  
 [5.3503e+01, 8.2355e-01, 2.7192e+00],  
 [4.9946e+01, 3.1624e-01, 1.1110e+00],  
 [4.3435e+01, 5.9043e-01, 1.9170e+00],  
 [2.5889e-03, 4.7093e-09, 4.1285e-04],  
 [8.1639e+00, 1.0212e-02, 7.9046e-01],  
 [7.5346e-01, 4.0994e-05, 8.8356e-02],  
 [6.9246e-02, 5.2040e-07, 8.8320e-03],  
 [1.4874e+00, 4.4337e-04, 1.6343e-01],  
 [2.5046e+01, 3.0810e-01, 2.0500e+00],  
 [1.3297e-01, 1.3973e-05, 1.8179e-02],  
 [2.6549e+02, 1.5510e+01, 5.0796e+00],  
 [1.3282e+01, 4.8927e-02, 8.2682e-01],  
 [3.7379e+00, 4.5297e-03, 2.2989e-01],  
 [4.0666e-02, 2.5677e-06, 6.1630e-03],  
 [3.4636e+01, 2.9689e-02, 9.3686e-01],  
 [2.6347e+00, 1.7447e-03, 2.0911e-01],  
 [6.6755e-01, 1.5189e-04, 5.1438e-02],  
 [1.9551e-02, 5.1919e-07, 3.0284e-03],  
 [6.9318e+00, 6.4971e-03, 7.4505e-01],  
 [2.3012e+01, 1.8264e-01, 1.0326e+00],  
 [1.3885e+01, 5.0779e-03, 1.0704e+00],  
 [1.7879e-01, 1.8862e-05, 2.2412e-02],  
 [1.8058e+02, 2.6472e+00, 3.0895e+00],  
 [2.5111e+00, 8.4408e-03, 3.0195e-01],  
 [1.3399e+00, 3.6332e-04, 1.1525e-01],  
 [2.7909e+00, 4.0650e-03, 2.2745e-01],  
 [1.5110e+00, 1.3495e-05, 9.9991e-02],  
 [1.4657e+01, 6.6505e-02, 6.1189e-01],  
 [3.2036e+01, 7.2525e-02, 8.4431e-01],  
 [1.2795e+02, 2.3227e+00, 2.6012e+00],  
 [1.0945e-02, 4.6189e-08, 1.7275e-03],

[1.1166e+01, 1.5432e-03, 5.7054e-01],  
[1.9647e+01, 9.8564e-02, 7.5883e-01],  
[6.9783e-04, 9.1232e-11, 1.1392e-04],  
[6.4084e+01, 3.3034e-01, 2.0478e+00],  
[1.7958e+02, 2.0543e+00, 4.2591e+00],  
[1.2675e+00, 2.1555e-04, 1.2804e-01],  
[5.5836e-02, 1.7908e-06, 7.6730e-03],  
[1.2276e+00, 4.6197e-04, 1.2030e-01],  
[2.2328e+01, 1.0006e-01, 1.8366e+00],  
[2.3351e+02, 8.5261e+00, 4.7771e+00],  
[5.8146e+01, 6.6292e-02, 2.3642e+00],  
[5.1867e+00, 6.6891e-03, 4.1703e-01],  
[2.0074e-01, 1.7442e-05, 2.0510e-02],  
[5.0583e-02, 9.2538e-07, 7.6835e-03],  
[2.1237e-02, 3.9777e-08, 3.0417e-03],  
[1.6355e+00, 7.8932e-04, 1.8520e-01],  
[5.0095e+01, 6.8280e-01, 1.4880e+00],  
[2.7228e+01, 1.6225e-01, 1.1938e+00],  
[2.1759e+00, 8.8345e-04, 2.3264e-01],  
[6.7751e-01, 2.4308e-05, 7.8390e-02],  
[8.5265e-01, 2.0377e-04, 7.7150e-02],  
[5.9607e+01, 1.2788e-01, 1.4684e+00],  
[4.5516e+00, 6.3626e-03, 2.6429e-01],  
[2.0040e-02, 1.4533e-07, 2.8862e-03],  
[2.5557e+01, 2.1039e-01, 8.8121e-01],  
[2.3007e+01, 2.0012e-02, 6.7991e-01],  
[2.3726e+01, 5.6152e-02, 1.4623e+00],  
[8.9598e-01, 1.4796e-03, 1.2252e-01],  
[2.0167e-01, 5.2096e-05, 2.6784e-02],  
[2.1999e+00, 3.4897e-04, 1.1668e-01],  
[1.4164e+00, 1.0122e-03, 1.9329e-01],  
[3.8136e-01, 7.5547e-05, 4.7930e-02],  
[1.5022e+01, 6.6822e-02, 7.2180e-01],  
[5.4422e+01, 1.7870e-02, 1.1471e+00],  
[3.8933e-01, 4.2363e-05, 4.9425e-02],  
[4.2069e-01, 1.9979e-05, 3.1553e-02],  
[3.1847e+01, 1.2172e-02, 8.7751e-01],  
[2.0227e+02, 1.3554e+00, 3.5173e+00],  
[1.3448e+01, 6.0374e-02, 6.3206e-01],  
[3.7410e-01, 2.0352e-05, 3.0903e-02],  
[1.5680e-02, 2.9876e-07, 2.2697e-03],  
[1.3546e+01, 1.3045e-01, 1.1731e+00],  
[1.3147e+01, 1.4553e-02, 5.6203e-01],  
[2.6750e-02, 1.1113e-06, 3.9164e-03],  
[6.8832e+01, 3.3439e-01, 2.6713e+00],  
[4.1315e+01, 2.2969e-01, 1.2024e+00],  
[2.0553e+01, 1.1586e-01, 8.3662e-01],  
[8.6028e+00, 4.9923e-03, 5.3344e-01],

[3.5169e-01, 5.7583e-05, 3.5667e-02],  
[9.5480e-03, 2.2955e-08, 1.4368e-03],  
[1.9318e+02, 4.1984e+00, 4.7647e+00],  
[7.2405e+00, 3.0940e-03, 3.6850e-01],  
[2.3276e+01, 2.2571e-02, 9.6597e-01],  
[6.3773e+01, 1.7995e-02, 1.5353e+00],  
[5.9769e-01, 7.9420e-06, 6.4159e-02],  
[7.2736e+00, 7.6792e-03, 7.5283e-01],  
[2.0631e+00, 6.8083e-04, 2.0736e-01],  
[3.1780e+00, 2.4131e-03, 2.2792e-01],  
[1.7237e+02, 2.6011e+00, 3.1550e+00],  
[2.3689e-02, 9.5649e-08, 3.5471e-03],  
[1.1414e+02, 4.3907e-01, 2.8089e+00],  
[4.7634e-02, 3.0799e-06, 7.1122e-03],  
[2.6654e+02, 7.4950e+00, 4.3306e+00],  
[9.9425e-01, 3.0173e-04, 1.1180e-01],  
[4.7384e-01, 1.4524e-05, 4.2688e-02],  
[1.4436e+01, 4.8589e-03, 9.1356e-01],  
[1.0558e+00, 1.9885e-04, 9.8126e-02],  
[6.7839e-02, 4.4992e-06, 9.2595e-03],  
[1.6263e+00, 2.8831e-03, 1.8299e-01],  
[1.4952e+02, 2.9009e-01, 2.3851e+00],  
[5.3038e-01, 8.3664e-05, 5.4364e-02],  
[2.3143e+00, 1.6931e-03, 1.5887e-01],  
[1.3878e+00, 5.5356e-04, 1.4651e-01],  
[5.9577e+01, 9.1304e-01, 1.9764e+00],  
[1.6104e+02, 1.4466e-01, 3.2597e+00],  
[4.7672e+01, 1.9683e-01, 1.3406e+00],  
[6.7000e-01, 8.4508e-05, 5.3857e-02],  
[2.2744e+01, 3.1554e-02, 1.2679e+00],  
[1.7207e+00, 3.1870e-04, 8.4640e-02],  
[2.0251e+01, 1.9649e-02, 1.1055e+00],  
[8.4728e+01, 1.7984e-01, 2.1695e+00],  
[5.8015e+01, 4.2077e-02, 3.0432e+00],  
[2.0679e-01, 4.6217e-05, 2.9512e-02],  
[4.2281e-01, 2.3878e-05, 3.5762e-02],  
[6.6612e+01, 5.8110e-01, 1.8022e+00],  
[1.9380e+01, 9.3960e-02, 8.0473e-01],  
[9.2108e-01, 8.9949e-04, 1.0959e-01],  
[6.3551e-01, 1.0026e-04, 5.1876e-02],  
[2.9149e+01, 2.5962e-01, 1.4031e+00],  
[6.4213e+00, 4.1794e-03, 4.4227e-01],  
[1.5977e+00, 4.9472e-04, 1.1338e-01],  
[5.4293e+00, 7.0431e-03, 3.7603e-01],  
[3.8595e+00, 1.1699e-03, 1.9822e-01],  
[1.8344e+02, 6.4438e+00, 4.1192e+00],  
[5.7964e+01, 4.2731e-01, 1.1387e+00],  
[1.8077e+00, 2.9540e-04, 1.7296e-01],

[2.4230e+01, 1.7070e-01, 2.0720e+00],  
 [7.8449e-02, 2.1887e-06, 9.7866e-03],  
 [8.0446e-01, 2.7737e-05, 5.8260e-02],  
 [5.1542e+01, 3.1271e-01, 1.0396e+00],  
 [2.0656e+02, 3.6361e+00, 4.0798e+00],  
 [3.5545e+01, 4.3834e-01, 1.1226e+00],  
 [7.3000e+01, 2.8686e-01, 1.8044e+00],  
 [2.0905e+01, 6.4313e-03, 8.0597e-01],  
 [3.1436e+00, 1.4069e-02, 3.3030e-01],  
 [5.1358e-01, 2.5497e-04, 6.6697e-02],  
 [1.3826e+02, 5.1218e+00, 4.1631e+00],  
 [1.5926e+00, 6.1035e-04, 1.5769e-01],  
 [5.8840e+01, 4.5466e-01, 1.1638e+00],  
 [8.1953e-01, 1.1718e-04, 6.4107e-02],  
 [5.2933e+01, 4.4484e-01, 2.5552e+00],  
 [9.7696e+01, 1.9739e+00, 3.0242e+00],  
 [3.5568e+01, 3.8283e-01, 1.1944e+00],  
 [1.5072e+01, 4.6715e-02, 1.3233e+00],  
 [5.8962e+00, 3.6472e-03, 3.1787e-01],  
 [3.9778e+01, 3.8576e-01, 1.1701e+00],  
 [6.3974e+01, 6.5813e-01, 1.8143e+00],  
 [7.0490e-01, 5.9210e-05, 8.3171e-02],  
 [3.7850e+00, 2.8278e-03, 2.3761e-01],  
 [4.0142e-01, 1.0035e-05, 4.9167e-02],  
 [4.0429e+00, 1.8513e-03, 3.5978e-01],  
 [2.6844e+02, 7.7779e-01, 5.1267e+00],  
 [1.3690e-01, 1.4004e-06, 1.4689e-02],  
 [3.5208e-01, 2.2907e-05, 2.8101e-02],  
 [1.1581e+02, 5.8284e-01, 2.9404e+00],  
 [2.6721e+00, 4.4898e-04, 2.2924e-01],  
 [8.7911e+00, 1.5836e-02, 5.9051e-01],  
 [1.3801e+00, 1.5845e-04, 1.1835e-01],  
 [7.2757e-01, 1.2450e-04, 7.0428e-02],  
 [2.1031e+01, 1.5724e-01, 1.5086e+00],  
 [4.7895e+01, 3.4524e-01, 1.1894e+00],  
 [2.0416e-01, 1.1810e-05, 2.4410e-02],  
 [5.8294e+01, 3.5119e-02, 2.6840e+00],  
 [1.3454e-01, 4.7499e-06, 1.9832e-02],  
 [4.3648e+01, 1.3365e-01, 2.3241e+00],  
 [7.8163e+01, 2.8825e-01, 1.9659e+00],  
 [4.4033e-01, 1.2169e-04, 4.2883e-02],  
 [6.5372e-01, 1.7967e-04, 6.6077e-02],  
 [1.2315e+00, 9.2364e-05, 1.1167e-01],  
 [5.7886e+01, 1.1312e+00, 2.1186e+00],  
 [6.1774e+00, 1.2601e-02, 3.5706e-01],  
 [7.9925e+00, 7.9800e-03, 3.2671e-01],  
 [9.7905e-01, 5.0500e-05, 9.8162e-02],  
 [3.1777e+01, 1.0926e-02, 9.1442e-01],



[7.4194e+00, 1.8301e-02, 4.4321e-01],  
 [1.0653e+00, 5.9754e-04, 8.8291e-02],  
 [2.6641e+01, 4.1292e-01, 2.0522e+00],  
 [2.5626e+01, 1.2195e-01, 1.3518e+00],  
 [1.1985e+02, 3.1201e+00, 2.8892e+00],  
 [2.7764e+00, 2.8374e-04, 2.2830e-01],  
 [6.3169e+01, 6.7634e-01, 2.8135e+00],  
 [8.6773e-01, 2.9993e-04, 1.2279e-01],  
 [4.7264e+01, 2.4861e-01, 1.7210e+00],  
 [5.0118e+00, 1.0397e-02, 2.7427e-01],  
 [9.7104e+00, 1.2794e-02, 5.5378e-01],  
 [3.1969e+01, 2.0707e-01, 1.8422e+00],  
 [8.9461e-01, 1.3603e-04, 8.0660e-02],  
 [6.5762e-01, 6.8713e-05, 7.7344e-02],  
 [4.9731e-02, 3.2053e-07, 7.4269e-03],  
 [2.2278e-01, 4.4782e-05, 2.7381e-02],  
 [1.6231e+02, 1.3518e+00, 3.8385e+00],  
 [1.1453e+02, 9.6794e-01, 2.8623e+00],  
 [1.8064e+01, 9.4534e-02, 7.5422e-01],  
 [1.4510e-01, 9.2577e-06, 1.5827e-02],  
 [3.2956e+01, 3.6863e-01, 1.5435e+00],  
 [2.3316e+02, 5.2971e+00, 4.0884e+00],  
 [3.1340e+00, 3.4727e-03, 2.2055e-01],  
 [4.4898e+00, 2.7131e-04, 2.4999e-01],  
 [1.5453e+00, 2.5568e-04, 1.2610e-01],  
 [9.8245e+00, 1.3859e-02, 4.5652e-01],  
 [5.9530e+01, 4.7840e-01, 2.7353e+00],  
 [5.5134e+01, 1.7717e-01, 2.8929e+00],  
 [7.9008e+00, 1.0301e-02, 3.4191e-01],  
 [4.3682e+01, 2.2592e-01, 1.5185e+00],  
 [5.5138e+00, 1.0647e-02, 5.3276e-01],  
 [1.1788e-03, 3.2973e-10, 1.9051e-04],  
 [1.4173e+00, 7.1269e-04, 1.4966e-01],  
 [6.2091e+00, 7.0765e-03, 4.4737e-01],  
 [6.3293e-02, 3.2596e-07, 8.8936e-03],  
 [3.2071e-02, 2.2167e-07, 4.4486e-03],  
 [6.8146e+00, 6.6576e-03, 7.9741e-01],  
 [1.1678e+02, 2.7990e+00, 4.4401e+00],  
 [2.9398e+00, 7.5229e-04, 1.5399e-01],  
 [1.5316e+01, 1.8074e-02, 6.8504e-01],  
 [1.4330e+01, 4.8108e-02, 9.1422e-01],  
 [1.1410e-01, 5.0906e-07, 1.4613e-02],  
 [1.8434e+02, 6.3621e+00, 3.9375e+00],  
 [1.5043e-01, 1.2387e-05, 1.5763e-02],  
 [1.6661e+00, 8.3101e-04, 1.5499e-01],  
 [4.9991e+01, 2.2457e-02, 1.2014e+00],  
 [6.8828e+00, 1.1614e-02, 3.3107e-01],  
 [1.3895e+01, 1.8522e-02, 6.6543e-01],

```

[6.4703e+00, 1.0570e-02, 4.4612e-01],
[9.3289e+00, 1.7039e-02, 4.9071e-01],
[4.2515e+00, 5.5201e-04, 2.6457e-01],
[2.1766e+02, 1.2574e+00, 4.1608e+00],
[5.5942e+00, 1.1268e-03, 2.0672e-01],
[2.7410e+01, 1.1392e-01, 1.1051e+00],
[8.1790e-02, 1.3287e-06, 1.1595e-02],
[4.4409e-01, 1.8381e-05, 5.0927e-02],
[2.2600e-01, 9.7750e-06, 2.8044e-02],
[4.6819e-01, 4.8389e-06, 3.2162e-02],
[7.3322e+01, 7.1862e-01, 2.1003e+00],
[2.3323e-01, 5.1553e-06, 3.1714e-02],
[5.0697e+00, 2.0258e-03, 3.7509e-01],
[1.1095e+00, 5.3704e-04, 1.0420e-01],
[7.8158e+00, 5.3210e-03, 5.4600e-01],
[1.3567e+01, 9.3826e-03, 3.8717e-01],
[1.9078e+02, 4.4358e+00, 4.4222e+00],
[1.6070e+01, 3.6453e-02, 7.5385e-01],
[5.3837e-01, 1.3148e-04, 4.9812e-02],
[1.5286e-01, 1.1310e-05, 1.8883e-02],
[1.0685e+02, 1.5537e+00, 2.5885e+00],
[7.0362e+01, 1.3118e+00, 2.4069e+00],
[1.0339e+01, 3.2965e-02, 5.1956e-01],
[6.1396e-01, 2.4773e-04, 5.5891e-02],
[6.5003e-01, 2.8413e-05, 5.9427e-02],
[1.0112e+01, 1.5364e-02, 8.8289e-01],
[1.8482e+01, 1.6357e-01, 1.5197e+00],
[9.3225e-01, 4.8858e-04, 7.3417e-02],
[2.5248e+00, 9.6343e-04, 1.7038e-01],
[1.4363e+00, 1.1940e-04, 1.4141e-01],
[2.6245e-01, 1.4862e-05, 3.4301e-02],
[1.1070e+02, 3.7250e+00, 4.2420e+00],
[3.3406e+00, 3.9390e-03, 3.3972e-01],
[1.0693e+00, 8.6727e-04, 1.0942e-01],
[9.5995e+00, 2.1127e-02, 9.0223e-01],
[2.9387e-02, 2.1347e-07, 4.5527e-03],
[2.4316e+00, 1.8426e-03, 1.7987e-01],
[1.8608e-01, 1.8601e-05, 1.9857e-02],
[1.2222e+02, 3.6363e+00, 2.7353e+00],
[4.3900e+01, 5.9615e-02, 1.2322e+00],
[1.0004e+01, 2.2808e-02, 9.3515e-01],
[4.5256e-01, 1.3697e-05, 4.4964e-02],
[2.5863e+01, 2.1352e-01, 9.5957e-01],
[2.6228e-01, 3.1996e-05, 2.8227e-02]], dtype=torch.float64)

```

Iteration: 142

```

Inputs: tensor([[2.9861e+20, 2.0416e+02, 1.5104e+01, 2.7335e+00],
               [1.6877e+20, 6.6314e+01, 5.8585e+00, 8.6122e+00],
               [1.1402e+19, 4.1372e+02, 2.4441e+00, 8.2739e+00],

```

```

...,
[5.2846e+18, 4.2977e+02, 6.0425e+00, 6.2069e+00],
[7.7085e+19, 2.4809e+02, 6.0292e-01, 7.2727e+00],
[3.8720e+18, 3.9059e+02, 1.6732e+01, 7.4409e+00]], dtype=torch.float64)
Target: tensor([[2.5813e+01, 7.5835e-02, 1.7119e+00],
[2.0550e+01, 1.2390e-01, 1.3044e+00],
[9.8293e+00, 9.1122e-03, 3.4236e-01],
[3.6493e+01, 2.1417e-01, 1.2671e+00],
[7.2309e+01, 1.2457e-01, 2.2476e+00],
[1.1398e+02, 2.6562e+00, 3.6391e+00],
[9.7935e-02, 1.3909e-06, 1.1924e-02],
[1.9924e+01, 5.3794e-02, 1.3204e+00],
[3.3638e+00, 5.9454e-04, 1.5237e-01],
[2.8915e-01, 1.3696e-05, 3.5837e-02],
[9.7751e-02, 2.6419e-06, 1.1218e-02],
[3.3621e+01, 1.1162e-01, 1.3072e+00],
[1.1293e+00, 5.4640e-05, 8.8154e-02],
[4.7069e-02, 2.0186e-07, 6.2099e-03],
[3.7896e-01, 2.6015e-05, 4.6987e-02],
[2.4236e+00, 1.0326e-03, 2.9268e-01],
[2.7645e+01, 7.0843e-02, 1.0875e+00],
[4.3535e-01, 6.1640e-05, 4.3541e-02],
[1.0814e+02, 1.6176e-01, 2.3395e+00],
[1.5496e+02, 2.5382e+00, 3.3982e+00],
[1.2152e+02, 3.4655e+00, 3.2498e+00],
[3.6252e+01, 1.9167e-01, 1.1988e+00],
[1.3539e+00, 4.0481e-05, 1.1376e-01],
[1.8791e-02, 1.0261e-07, 2.8919e-03],
[2.0602e+02, 1.4523e+00, 4.8063e+00],
[6.9423e+00, 2.2367e-02, 8.2082e-01],
[4.3649e+01, 4.3549e-02, 2.7501e+00],
[8.4775e-01, 2.8285e-04, 8.1191e-02],
[4.1586e+01, 4.7466e-01, 1.2709e+00],
[4.1331e+01, 3.6880e-01, 1.1663e+00],
[1.9906e+01, 1.0787e-01, 7.3009e-01],
[3.6970e+01, 3.2457e-01, 1.5281e+00],
[7.3691e+00, 5.5429e-03, 3.4771e-01],
[5.5684e+01, 1.5937e-01, 1.2695e+00],
[4.3339e-02, 8.1988e-07, 6.2046e-03],
[4.7446e-02, 8.7030e-07, 6.7072e-03],
[6.2984e+00, 1.1539e-02, 3.1415e-01],
[1.1167e+01, 1.2660e-02, 5.3507e-01],
[2.1508e-01, 3.5449e-05, 2.6679e-02],
[6.4361e-01, 4.3844e-05, 6.0746e-02],
[1.0500e-01, 5.8194e-06, 1.3362e-02],
[3.4931e-01, 4.3496e-05, 4.1237e-02],
[3.5135e+00, 1.1924e-02, 3.3857e-01],
[2.0891e-01, 2.7044e-05, 3.1630e-02],

```

[8.2372e+01, 1.2122e+00, 2.0128e+00],  
 [2.7791e-01, 2.1298e-05, 3.9716e-02],  
 [1.5286e-01, 3.4572e-06, 1.8263e-02],  
 [5.8831e+01, 7.3032e-01, 1.8942e+00],  
 [2.6898e+00, 1.3322e-04, 2.2330e-01],  
 [2.6635e+01, 6.7132e-02, 1.6631e+00],  
 [1.0260e+00, 2.1295e-04, 7.7895e-02],  
 [2.1492e+01, 1.7759e-01, 1.8840e+00],  
 [1.5546e+02, 2.3885e+00, 3.4912e+00],  
 [1.1192e+01, 6.7469e-02, 6.4004e-01],  
 [5.6845e-02, 2.8525e-07, 7.7999e-03],  
 [2.3665e+01, 7.2327e-03, 7.9971e-01],  
 [3.0252e-01, 5.0812e-05, 3.7410e-02],  
 [2.5675e+01, 5.9641e-02, 1.1625e+00],  
 [6.5539e+01, 7.5637e-01, 2.6355e+00],  
 [2.0393e+01, 1.1198e-01, 1.8093e+00],  
 [1.3527e+01, 5.5983e-02, 8.2417e-01],  
 [3.2954e+01, 2.4140e-02, 1.2126e+00],  
 [1.2496e+00, 2.9080e-04, 9.7255e-02],  
 [3.1151e+01, 2.7543e-01, 1.0833e+00],  
 [1.9154e+00, 5.7182e-04, 1.6893e-01],  
 [3.5454e-01, 9.5741e-06, 3.6102e-02],  
 [9.3469e-02, 7.6773e-06, 1.2247e-02],  
 [3.7337e-01, 6.8394e-05, 4.6060e-02],  
 [8.0520e+00, 1.0867e-02, 3.0949e-01],  
 [9.1723e-01, 2.1686e-05, 8.2976e-02],  
 [2.9701e+01, 1.7742e-01, 1.5241e+00],  
 [6.4501e-01, 4.3314e-04, 8.3532e-02],  
 [1.4355e+02, 5.6168e+00, 3.3761e+00],  
 [2.1431e+01, 5.5816e-02, 8.0997e-01],  
 [6.6733e-02, 3.1791e-06, 8.7209e-03],  
 [4.1067e+01, 8.7780e-02, 1.4398e+00],  
 [1.4213e+01, 2.0695e-03, 5.0791e-01],  
 [1.4773e+01, 2.3897e-02, 1.2850e+00],  
 [2.6868e+01, 5.7396e-02, 8.4574e-01],  
 [7.7363e+01, 6.4210e-01, 3.6663e+00],  
 [2.8882e+01, 1.0550e-01, 1.1595e+00],  
 [1.0719e+02, 3.2494e-01, 2.6755e+00],  
 [1.2553e+02, 2.2354e+00, 2.7941e+00],  
 [4.4656e+01, 1.4214e-01, 1.7572e+00],  
 [2.4629e+00, 1.4737e-03, 1.4965e-01],  
 [1.0079e+02, 2.1615e-01, 3.4140e+00],  
 [1.1910e+00, 8.6493e-04, 1.0721e-01],  
 [2.5788e-01, 5.5139e-05, 3.5559e-02],  
 [1.7298e+01, 2.9221e-02, 6.0081e-01],  
 [4.3356e+01, 3.4781e-01, 1.4920e+00],  
 [1.8591e+00, 3.4688e-03, 1.9712e-01],  
 [1.2839e+01, 1.5834e-02, 4.6763e-01],

[1.6331e+00, 7.8118e-05, 1.1922e-01],  
 [1.5908e+02, 3.6401e+00, 4.2129e+00],  
 [2.5114e+00, 5.3766e-03, 3.0757e-01],  
 [2.5108e+01, 1.0837e-01, 7.5488e-01],  
 [2.4198e+01, 1.3685e-01, 7.4497e-01],  
 [3.2187e+00, 6.9369e-04, 1.3291e-01],  
 [9.4410e+00, 5.9976e-03, 5.4208e-01],  
 [2.1105e+02, 1.4944e+00, 3.8219e+00],  
 [6.9690e-03, 3.3214e-08, 1.1136e-03],  
 [1.0742e+01, 1.4698e-02, 6.3533e-01],  
 [4.6203e+01, 4.9356e-02, 1.2785e+00],  
 [1.7083e+02, 2.1399e+00, 4.2314e+00],  
 [4.2797e+00, 2.8175e-03, 2.2067e-01],  
 [6.0758e-01, 1.1254e-04, 8.8814e-02],  
 [2.3553e-01, 1.2790e-05, 2.3508e-02],  
 [2.1157e+02, 3.7497e+00, 4.8952e+00],  
 [1.7450e-02, 1.1552e-07, 2.5269e-03],  
 [1.2283e+00, 3.9476e-05, 9.2327e-02],  
 [5.9907e-03, 3.3424e-08, 9.4216e-04],  
 [3.9614e+01, 1.0796e-01, 2.4680e+00],  
 [1.9019e-01, 3.1592e-05, 2.3595e-02],  
 [1.6494e-01, 1.1105e-05, 1.8170e-02],  
 [2.3342e-02, 4.5359e-08, 3.3765e-03],  
 [1.0226e+00, 1.5694e-03, 1.2342e-01],  
 [3.7413e+01, 2.3272e-01, 1.6472e+00],  
 [2.4009e+01, 5.4635e-02, 6.8427e-01],  
 [5.2083e+00, 3.9018e-03, 3.0757e-01],  
 [6.6729e+01, 1.2462e+00, 2.5464e+00],  
 [7.5166e-02, 7.1367e-06, 1.0809e-02],  
 [1.3168e-01, 7.8889e-06, 1.4560e-02],  
 [7.5751e-01, 9.6884e-06, 9.3398e-02],  
 [9.0123e-01, 6.6005e-05, 1.1280e-01],  
 [6.1677e+01, 2.7570e-01, 2.3700e+00],  
 [7.2638e-02, 1.0151e-06, 9.7261e-03],  
 [4.9502e+01, 3.5098e-01, 1.5148e+00],  
 [7.0836e+00, 3.0856e-03, 3.3083e-01],  
 [8.4963e+00, 2.1407e-04, 3.3114e-01],  
 [3.0670e+01, 4.5218e-02, 1.0935e+00],  
 [1.0722e+02, 3.6969e-01, 3.4244e+00],  
 [3.4921e+00, 5.7426e-03, 2.6071e-01],  
 [9.8902e+00, 1.5820e-02, 9.4540e-01],  
 [7.9417e-01, 2.5009e-04, 7.5002e-02],  
 [2.6947e+01, 1.2835e-01, 1.6327e+00],  
 [1.2927e+01, 1.2865e-02, 1.0464e+00],  
 [1.0261e+01, 7.8727e-03, 6.4912e-01],  
 [9.5489e+01, 9.2778e-01, 3.7776e+00],  
 [1.6774e+01, 8.8647e-04, 5.4748e-01],  
 [5.3470e+00, 8.8508e-03, 2.8058e-01],

[1.2890e+01, 4.7200e-02, 4.9874e-01],  
[1.6433e+02, 4.9551e-01, 3.2986e+00],  
[1.0144e+02, 1.5932e+00, 4.2833e+00],  
[7.7113e+00, 1.4288e-02, 3.7496e-01],  
[3.4933e+01, 2.3248e-01, 1.4313e+00],  
[8.8613e+01, 1.4184e+00, 1.9531e+00],  
[5.1183e+01, 1.8318e-01, 1.3637e+00],  
[2.5291e+00, 1.9729e-03, 2.9702e-01],  
[1.6683e+00, 1.0210e-03, 1.2276e-01],  
[1.1838e-01, 5.6034e-06, 1.3178e-02],  
[1.9476e+01, 2.8957e-02, 1.7539e+00],  
[1.2286e+00, 1.1069e-03, 1.3063e-01],  
[1.1272e+01, 2.7309e-02, 5.7038e-01],  
[1.7127e+00, 1.5019e-03, 1.4683e-01],  
[1.3144e+00, 1.3801e-03, 1.7142e-01],  
[5.3041e-01, 1.0196e-05, 3.6861e-02],  
[2.4137e+01, 1.6632e-01, 1.7558e+00],  
[1.4604e+02, 6.0039e+00, 3.4549e+00],  
[4.4639e+01, 2.8386e-01, 2.1323e+00],  
[2.9418e+00, 5.5323e-04, 2.6122e-01],  
[3.0803e-01, 4.5107e-06, 3.2202e-02],  
[3.3808e+00, 4.0054e-04, 2.6284e-01],  
[1.1289e+01, 4.7436e-03, 4.9161e-01],  
[1.1047e-01, 4.8472e-06, 1.3701e-02],  
[1.4868e+01, 2.1389e-02, 8.9768e-01],  
[2.3663e+00, 3.2631e-03, 2.0852e-01],  
[4.4938e+01, 5.5511e-02, 1.4106e+00],  
[5.0600e+01, 5.6647e-01, 1.9917e+00],  
[7.9210e+00, 5.6555e-03, 5.0196e-01],  
[7.3295e+01, 4.1236e-01, 3.7123e+00],  
[4.1579e-01, 7.5888e-06, 3.9174e-02],  
[1.0033e+01, 1.2177e-02, 3.8062e-01],  
[9.9808e+01, 1.0721e+00, 3.2852e+00],  
[1.7053e-01, 3.2237e-06, 2.0492e-02],  
[6.5549e+01, 4.0870e-01, 2.5136e+00],  
[1.4063e-01, 7.8664e-06, 1.7091e-02],  
[7.1110e-01, 2.4479e-04, 7.4530e-02],  
[1.3418e-02, 4.6266e-08, 1.9797e-03],  
[3.0427e+01, 1.6965e-01, 1.0261e+00],  
[4.6214e+01, 4.0220e-01, 1.4290e+00],  
[9.8988e+00, 2.7864e-02, 1.0428e+00],  
[6.9621e+01, 7.3706e-01, 1.7586e+00],  
[6.4644e+00, 1.7554e-02, 5.9075e-01],  
[2.4972e+00, 1.4440e-03, 1.6042e-01],  
[6.6964e-01, 2.4777e-04, 7.5629e-02],  
[1.6586e+01, 3.2249e-02, 6.1960e-01],  
[4.3638e+00, 3.7136e-03, 2.9506e-01],  
[5.2782e+01, 6.7767e-02, 2.3009e+00],

[2.2222e+00, 2.6814e-03, 2.6664e-01],  
 [2.2875e+00, 2.3223e-03, 2.5561e-01],  
 [2.5478e-01, 4.9019e-05, 3.1959e-02],  
 [3.4096e+01, 2.7272e-01, 1.6293e+00],  
 [1.4968e-01, 3.2585e-06, 2.0820e-02],  
 [2.0331e-01, 2.2169e-05, 2.3054e-02],  
 [1.3751e+02, 6.8864e-01, 4.6482e+00],  
 [1.2595e+02, 1.6206e+00, 2.7209e+00],  
 [2.6394e-03, 3.9484e-09, 4.2932e-04],  
 [9.7466e-04, 1.4187e-10, 1.5880e-04],  
 [4.7326e-02, 1.0724e-06, 6.3676e-03],  
 [1.9486e+02, 7.0434e+00, 4.4463e+00],  
 [2.2415e+01, 1.6023e-01, 8.2639e-01],  
 [2.0808e-02, 1.1178e-07, 3.2487e-03],  
 [1.7885e+01, 1.9879e-02, 1.5131e+00],  
 [2.1708e+00, 3.4592e-04, 1.2462e-01],  
 [1.7449e+02, 9.3600e-01, 3.7908e+00],  
 [2.0750e+00, 2.2302e-03, 1.7325e-01],  
 [1.3317e+00, 1.5563e-04, 8.9579e-02],  
 [6.1818e+01, 8.8068e-01, 2.9744e+00],  
 [8.8786e+01, 1.0302e+00, 2.6130e+00],  
 [2.2361e+02, 2.0822e+00, 3.4425e+00],  
 [3.2622e-03, 2.0149e-09, 5.2576e-04],  
 [1.2179e-03, 3.3878e-10, 1.9737e-04],  
 [2.4305e-01, 5.2211e-06, 2.7289e-02],  
 [4.6718e+01, 8.0680e-01, 1.8975e+00],  
 [6.3864e-02, 5.1285e-06, 8.7145e-03],  
 [6.3596e-03, 9.9146e-09, 9.7216e-04],  
 [9.0665e-01, 2.4946e-04, 8.1470e-02],  
 [8.5446e-01, 1.7273e-04, 6.3062e-02],  
 [4.7666e+00, 6.7427e-03, 4.1170e-01],  
 [7.7778e+01, 1.6935e+00, 2.5961e+00],  
 [1.0253e+02, 1.3814e-01, 3.7332e+00],  
 [5.3866e+00, 8.2925e-03, 4.3843e-01],  
 [6.8840e+01, 5.2516e-01, 1.2468e+00],  
 [6.0994e+00, 9.7257e-03, 3.0969e-01],  
 [1.5813e+02, 2.9354e+00, 3.4032e+00],  
 [3.8746e+01, 2.6494e-01, 1.7931e+00],  
 [3.1210e+01, 7.7614e-02, 1.2377e+00],  
 [5.0240e+00, 1.1821e-03, 2.4971e-01],  
 [3.2589e-01, 2.9859e-05, 2.9590e-02],  
 [2.0730e+01, 6.2195e-02, 1.3244e+00],  
 [1.4441e+02, 1.1634e+00, 2.4748e+00],  
 [7.9137e+01, 8.2590e-01, 3.1016e+00],  
 [7.1620e+01, 1.3970e+00, 2.9492e+00],  
 [2.5246e+02, 3.6492e+00, 4.6087e+00],  
 [1.1568e+02, 9.8747e-01, 3.6692e+00],  
 [8.5188e+00, 1.1405e-02, 6.9974e-01],

[3.6077e+01, 2.1547e-01, 1.3398e+00],  
 [4.6648e+00, 3.8931e-03, 3.3939e-01],  
 [7.7217e+00, 1.2643e-02, 4.0076e-01],  
 [2.8064e-01, 2.0580e-05, 3.1813e-02],  
 [2.5456e+01, 4.5177e-02, 7.5159e-01],  
 [9.9947e+01, 1.6558e+00, 3.3953e+00],  
 [3.0979e+01, 1.1147e-01, 2.4281e+00],  
 [4.3925e-01, 4.1251e-05, 4.4347e-02],  
 [2.7219e+01, 1.8032e-01, 1.2701e+00],  
 [8.6582e-01, 8.4556e-05, 7.0851e-02],  
 [4.5882e+00, 9.3906e-05, 2.2903e-01],  
 [5.5993e-02, 3.6461e-06, 8.6624e-03],  
 [3.1270e+01, 2.3194e-02, 8.2150e-01],  
 [5.1114e+01, 3.3666e-01, 1.9597e+00],  
 [4.3064e+01, 8.1812e-02, 1.1308e+00],  
 [6.5982e+01, 1.1408e+00, 2.0713e+00],  
 [3.5078e+01, 2.0393e-01, 1.5578e+00],  
 [2.1782e+01, 1.2347e-01, 1.3960e+00],  
 [6.0039e-02, 1.6329e-06, 8.4334e-03],  
 [1.1357e+00, 5.6477e-05, 9.6624e-02],  
 [7.4527e-03, 4.6422e-09, 1.1288e-03],  
 [2.1797e+01, 9.5830e-02, 1.4241e+00],  
 [5.4935e+00, 8.2272e-03, 2.7613e-01],  
 [4.7475e+00, 1.7570e-02, 5.6492e-01],  
 [3.6509e-01, 5.9302e-05, 3.2225e-02],  
 [4.6618e+01, 3.2689e-01, 1.5185e+00],  
 [2.6193e+00, 1.1642e-03, 2.1699e-01],  
 [1.9958e+00, 7.8207e-04, 1.4966e-01],  
 [6.6196e-01, 4.9502e-05, 9.2733e-02],  
 [2.7966e+01, 1.1070e-01, 1.0254e+00],  
 [4.5165e-04, 3.5296e-11, 7.3982e-05],  
 [5.1720e-01, 1.5108e-05, 4.8764e-02],  
 [4.7010e-02, 7.9121e-07, 6.3685e-03],  
 [1.3196e+01, 1.4242e-02, 8.0643e-01],  
 [7.6005e-01, 2.3531e-05, 5.1388e-02],  
 [1.5214e+00, 5.9783e-04, 1.4268e-01],  
 [1.3407e-02, 1.4346e-07, 1.9658e-03],  
 [2.0106e+01, 1.9987e-01, 1.0930e+00],  
 [8.5655e+01, 1.5252e+00, 2.2053e+00],  
 [5.9227e-01, 6.9044e-05, 4.1906e-02],  
 [1.1910e+00, 5.2220e-04, 1.1296e-01],  
 [7.3942e+00, 2.5387e-03, 3.4589e-01],  
 [1.1613e+01, 2.8796e-02, 8.1062e-01],  
 [6.4752e+00, 5.1312e-03, 4.6838e-01],  
 [1.1088e+00, 1.4668e-04, 1.3321e-01],  
 [1.5316e-02, 2.5390e-07, 2.3298e-03],  
 [7.6360e+01, 6.1801e-01, 3.1484e+00],  
 [2.0182e+01, 1.4535e-02, 9.6709e-01],



```

[3.4661e-01, 3.8306e-06, 2.8087e-02],
[1.3594e+02, 1.6608e+00, 2.4406e+00],
[2.8491e+02, 1.2538e+01, 4.9329e+00],
[5.8628e+00, 4.3620e-03, 3.1414e-01],
[1.3912e+02, 1.9588e+00, 3.1439e+00],
[4.0976e-01, 3.8111e-05, 5.3550e-02],
[1.4231e+01, 2.8782e-02, 4.8939e-01],
[3.5586e+01, 1.1920e-01, 1.5568e+00],
[3.2481e+01, 4.2164e-01, 1.6790e+00],
[1.0583e+02, 1.3449e-01, 2.3127e+00],
[1.5447e+00, 1.5322e-04, 1.7501e-01],
[3.6663e-03, 1.8508e-08, 5.8515e-04],
[1.1637e+01, 2.7793e-02, 5.1687e-01],
[2.6466e-01, 5.2646e-06, 3.5568e-02],
[2.0378e+02, 4.2252e+00, 3.0291e+00],
[2.6592e+01, 8.4867e-02, 1.3198e+00],
[1.8262e+01, 4.8563e-02, 1.1787e+00],
[4.8738e+01, 5.9804e-01, 2.4075e+00],
[1.7924e-02, 7.6548e-08, 2.7452e-03],
[1.8365e+01, 7.7220e-02, 7.6060e-01],
[1.4759e+01, 3.5812e-02, 5.3618e-01],
[3.3909e+01, 3.0430e-02, 1.3375e+00],
[6.7579e-02, 5.4694e-07, 8.4053e-03],
[3.1852e+00, 9.5982e-04, 2.3857e-01],
[6.7356e+01, 7.5873e-01, 2.8650e+00],
[4.1936e-02, 1.2147e-06, 6.3787e-03],
[2.8327e+00, 6.7837e-04, 2.1969e-01],
[7.2350e+00, 1.8221e-02, 4.0321e-01],
[2.4491e+00, 9.3533e-04, 1.6257e-01],
[4.1397e-02, 8.7819e-07, 5.5144e-03],
[1.3894e-01, 1.0316e-05, 1.5292e-02],
[3.2593e+00, 2.1039e-03, 3.0729e-01],
[1.3331e+01, 1.7889e-02, 6.0353e-01],
[2.8219e+00, 8.3217e-04, 1.5719e-01],
[5.0526e+01, 1.8572e-01, 1.2335e+00],
[8.9787e-01, 3.2200e-04, 7.6698e-02]], dtype=torch.float64)
Iteration: 143
Inputs: tensor([[2.5973e+20, 3.6385e+02, 8.0780e+00, 6.2464e+00],
               [7.6157e+20, 3.8805e+02, 2.3322e+00, 6.4576e+00],
               [5.0729e+19, 4.5827e+02, 1.3072e+01, 5.8408e+00],
               ...,
               [3.1934e+20, 3.1513e+02, 1.3018e+01, 8.8153e+00],
               [2.4913e+19, 2.2739e+02, 1.3126e+01, 4.7330e+00],
               [2.2569e+18, 4.3830e+02, 4.6113e+00, 4.7013e+00]], dtype=torch.float64)
Target: tensor([[9.5715e+01, 9.4702e-01, 2.4279e+00],
               [2.7306e+02, 4.4023e+00, 4.4949e+00],
               [2.6470e+01, 1.1001e-01, 9.0227e-01],
               [1.5619e+00, 5.6662e-04, 1.0067e-01],

```

[1.3312e+02, 1.9139e+00, 4.1735e+00],  
 [4.0941e+01, 3.3140e-01, 2.3019e+00],  
 [1.9592e-02, 5.7400e-08, 3.0343e-03],  
 [2.3394e+00, 2.1897e-04, 1.3351e-01],  
 [1.6598e+02, 4.6700e+00, 4.6731e+00],  
 [8.3565e-01, 7.3467e-05, 8.4048e-02],  
 [1.7985e+00, 5.2503e-04, 1.9565e-01],  
 [3.2585e+00, 4.3747e-04, 1.8487e-01],  
 [4.5705e-01, 5.4032e-05, 4.1445e-02],  
 [2.7721e+01, 9.9936e-02, 8.2119e-01],  
 [8.9149e+00, 2.6327e-02, 6.1378e-01],  
 [2.1392e+01, 1.7549e-01, 1.4000e+00],  
 [5.7143e+01, 3.7345e-01, 3.1008e+00],  
 [5.1942e-01, 6.5747e-05, 4.7148e-02],  
 [6.5326e+01, 5.3575e-01, 1.8176e+00],  
 [8.5375e+00, 3.4599e-02, 5.8855e-01],  
 [3.0951e+00, 1.0270e-02, 3.8185e-01],  
 [2.3730e-01, 1.2115e-05, 3.4405e-02],  
 [5.1566e-02, 2.5855e-06, 7.3028e-03],  
 [1.2210e+00, 1.4036e-04, 1.3342e-01],  
 [1.9303e+01, 1.0599e-01, 1.0631e+00],  
 [1.8782e-02, 1.4016e-07, 2.8102e-03],  
 [1.6981e+01, 3.6788e-02, 1.0205e+00],  
 [2.3223e+02, 7.7111e+00, 4.4345e+00],  
 [3.7810e-01, 1.0872e-04, 4.0542e-02],  
 [3.9081e-01, 4.9983e-05, 4.0255e-02],  
 [6.6337e+01, 1.7742e-01, 3.0005e+00],  
 [2.7683e+01, 3.9123e-02, 1.5349e+00],  
 [6.3961e+00, 1.1414e-02, 3.6547e-01],  
 [2.7303e+00, 3.2964e-03, 1.7327e-01],  
 [1.0336e+00, 6.3075e-04, 1.0838e-01],  
 [4.7686e+01, 2.3522e-01, 1.1648e+00],  
 [5.1384e+01, 3.8673e-01, 1.5347e+00],  
 [2.9928e-01, 1.0918e-05, 3.1922e-02],  
 [9.3538e-03, 3.6630e-08, 1.4448e-03],  
 [4.2964e-01, 9.4095e-05, 3.7860e-02],  
 [1.0908e+02, 8.4169e-02, 2.2028e+00],  
 [6.7499e-02, 3.7885e-06, 8.7107e-03],  
 [3.9118e+00, 3.5211e-03, 2.2404e-01],  
 [9.0039e-03, 3.5281e-08, 1.4307e-03],  
 [3.5634e+00, 3.0049e-03, 2.8567e-01],  
 [2.6347e+00, 1.3365e-03, 1.7418e-01],  
 [7.4908e-01, 1.4489e-04, 5.7831e-02],  
 [2.7190e+00, 8.5981e-04, 3.2301e-01],  
 [2.7900e+00, 3.4682e-04, 2.5749e-01],  
 [8.0500e+01, 3.7711e-01, 3.6914e+00],  
 [1.2975e+01, 4.6697e-02, 6.4207e-01],  
 [8.5356e-01, 1.2067e-04, 9.3691e-02],

[6.0064e+01, 5.7480e-02, 2.8233e+00],  
[2.7987e+01, 2.1919e-01, 1.0628e+00],  
[1.3206e+02, 2.7655e+00, 3.7210e+00],  
[7.2837e-01, 1.5144e-04, 6.2580e-02],  
[1.5997e-02, 1.0321e-07, 2.3782e-03],  
[5.9985e-01, 6.7322e-05, 4.9206e-02],  
[9.5322e+00, 5.4906e-03, 4.7892e-01],  
[3.1753e-01, 3.7062e-05, 3.4584e-02],  
[3.9302e-02, 4.5914e-07, 5.4902e-03],  
[8.2229e+00, 4.6068e-03, 7.2976e-01],  
[1.4014e+00, 1.8773e-04, 1.1725e-01],  
[1.1596e+00, 6.4326e-04, 1.3784e-01],  
[9.9535e-02, 2.1053e-06, 1.1999e-02],  
[1.1672e+02, 2.5377e+00, 3.7574e+00],  
[1.9320e+01, 1.7797e-01, 1.5754e+00],  
[2.5630e-02, 5.5918e-07, 3.8131e-03],  
[1.3143e+02, 1.1059e+00, 2.4527e+00],  
[3.0369e-01, 2.8394e-05, 3.3537e-02],  
[3.7441e+00, 7.9121e-04, 2.8429e-01],  
[2.0977e-01, 7.3963e-06, 2.8659e-02],  
[1.2969e+00, 1.4970e-04, 1.3389e-01],  
[4.9589e+01, 4.9731e-01, 2.0930e+00],  
[3.4434e+01, 1.3414e-01, 8.2330e-01],  
[7.0016e-01, 8.3256e-05, 4.8633e-02],  
[1.2424e+02, 5.1610e-01, 4.0986e+00],  
[8.7564e-01, 3.3743e-04, 1.0657e-01],  
[1.0398e+02, 1.9312e+00, 3.5578e+00],  
[1.9725e+02, 2.1892e+00, 4.1757e+00],  
[3.4316e+01, 2.7816e-01, 1.4181e+00],  
[7.9000e+01, 1.1447e+00, 1.8036e+00],  
[5.2931e+01, 1.7122e-01, 1.4256e+00],  
[7.9665e+01, 4.7139e-01, 2.4280e+00],  
[7.8742e-01, 5.2936e-04, 8.3614e-02],  
[1.8649e+01, 1.3338e-01, 9.0155e-01],  
[4.0010e+01, 3.9851e-01, 1.2440e+00],  
[7.4844e+01, 2.7957e-01, 1.3989e+00],  
[8.4531e-01, 1.7455e-04, 6.4827e-02],  
[5.7437e+00, 1.6961e-03, 4.1812e-01],  
[4.0475e+01, 5.5073e-01, 1.5347e+00],  
[1.6023e+00, 4.0397e-04, 1.4010e-01],  
[2.4084e-01, 2.5656e-05, 2.3525e-02],  
[6.3238e+00, 1.2281e-02, 4.8699e-01],  
[1.6636e+02, 4.3308e-01, 4.3506e+00],  
[2.0763e+01, 1.8719e-02, 1.9485e+00],  
[4.8806e+00, 4.3520e-03, 2.5190e-01],  
[4.8688e+00, 1.8991e-03, 3.4325e-01],  
[1.5011e-03, 7.8506e-11, 2.4093e-04],  
[1.0663e+00, 9.4714e-04, 1.4758e-01],

[3.9701e+01, 1.5096e-01, 2.7588e+00],  
 [2.9292e-01, 1.0025e-05, 2.5691e-02],  
 [5.3695e-01, 1.1565e-04, 4.9934e-02],  
 [5.1359e+00, 5.2328e-03, 2.7823e-01],  
 [1.6253e+00, 5.9589e-05, 9.9972e-02],  
 [2.0511e+01, 8.9334e-02, 8.0714e-01],  
 [2.6321e-02, 2.1767e-07, 4.0793e-03],  
 [9.2885e+01, 5.2635e-01, 2.2110e+00],  
 [1.0544e+01, 1.4336e-02, 7.4188e-01],  
 [3.0325e-01, 2.4476e-05, 3.2853e-02],  
 [2.2709e+00, 1.5343e-03, 2.6146e-01],  
 [2.5044e+01, 9.5590e-02, 1.8520e+00],  
 [2.8595e+01, 1.9485e-01, 1.6170e+00],  
 [9.9152e-01, 1.3922e-04, 5.9083e-02],  
 [9.8820e+00, 6.0238e-03, 4.9589e-01],  
 [5.3147e+00, 7.4843e-04, 3.4055e-01],  
 [3.7955e+01, 1.5640e-01, 2.0759e+00],  
 [4.5520e+01, 2.7456e-01, 2.1884e+00],  
 [1.1125e+01, 1.0370e-01, 9.2170e-01],  
 [1.3151e+00, 5.0461e-04, 1.1016e-01],  
 [3.6532e-01, 5.0187e-05, 3.0889e-02],  
 [5.3841e+00, 4.5150e-03, 5.0857e-01],  
 [7.6323e+01, 6.2159e-01, 3.2449e+00],  
 [2.5495e-03, 5.3044e-09, 4.0693e-04],  
 [1.9758e-01, 9.9724e-06, 2.1884e-02],  
 [1.2626e+02, 2.9195e+00, 4.2489e+00],  
 [6.2084e+01, 4.3241e-01, 1.3749e+00],  
 [8.7196e+00, 3.3102e-03, 6.7665e-01],  
 [4.4560e+01, 2.2035e-01, 1.5434e+00],  
 [1.6946e+02, 4.5884e+00, 4.2924e+00],  
 [2.2058e+00, 7.1853e-04, 1.9858e-01],  
 [9.0383e-02, 1.2559e-06, 1.3633e-02],  
 [7.4995e+00, 1.6532e-02, 3.6170e-01],  
 [1.3372e+01, 2.7132e-02, 6.5230e-01],  
 [1.1075e+00, 4.3919e-04, 8.9783e-02],  
 [2.1336e+01, 5.2088e-02, 6.3620e-01],  
 [1.7868e-01, 3.5756e-06, 2.4462e-02],  
 [1.1861e+01, 5.6928e-02, 1.2410e+00],  
 [1.2897e-01, 8.2402e-06, 1.5923e-02],  
 [2.0091e-02, 7.9089e-07, 3.1466e-03],  
 [2.6706e-02, 2.1521e-07, 3.9599e-03],  
 [5.2462e+01, 7.1434e-01, 1.4658e+00],  
 [2.9823e-02, 1.4820e-07, 4.4863e-03],  
 [5.5393e+00, 3.2946e-03, 3.5650e-01],  
 [3.1776e+01, 2.4768e-01, 1.3428e+00],  
 [2.0715e+02, 1.1110e+01, 4.2696e+00],  
 [7.3892e-02, 5.3215e-07, 9.7643e-03],  
 [1.2724e+02, 1.2574e+00, 4.2455e+00],

[2.6770e+00, 6.9132e-04, 2.5594e-01],  
[2.0322e+02, 3.5037e+00, 3.4222e+00],  
[2.7104e+00, 1.4957e-03, 2.1186e-01],  
[5.1620e+00, 1.9594e-03, 2.4794e-01],  
[2.7772e+02, 1.0969e+01, 4.5946e+00],  
[1.6673e-01, 3.3447e-06, 2.1908e-02],  
[2.6129e-01, 6.0030e-06, 2.5221e-02],  
[1.7902e+01, 8.6887e-02, 6.4848e-01],  
[7.9229e+00, 6.4548e-03, 5.0669e-01],  
[3.7606e+01, 1.8724e-01, 2.1594e+00],  
[2.4791e+01, 1.0107e-01, 7.7740e-01],  
[7.8331e+00, 1.4191e-02, 4.9896e-01],  
[3.1423e+02, 5.7725e+00, 4.5029e+00],  
[8.1448e-02, 2.7111e-06, 1.2173e-02],  
[1.6472e-01, 1.8463e-05, 1.7668e-02],  
[1.4915e+02, 3.4972e+00, 3.6046e+00],  
[4.4971e+01, 4.6002e-01, 2.3445e+00],  
[6.4252e+00, 7.6795e-03, 3.4767e-01],  
[4.3940e+00, 3.1431e-03, 4.4117e-01],  
[2.1881e+01, 7.8606e-02, 7.6019e-01],  
[9.3034e+01, 1.2473e+00, 2.9015e+00],  
[2.0166e-02, 2.4733e-07, 2.8995e-03],  
[1.4665e+00, 1.1982e-03, 1.4396e-01],  
[2.3831e+01, 5.7112e-02, 1.6999e+00],  
[2.0816e+01, 6.6273e-02, 1.9444e+00],  
[8.7958e-02, 2.1754e-06, 1.0947e-02],  
[3.1607e+00, 1.4876e-03, 2.3209e-01],  
[8.4114e+01, 9.7001e-01, 2.1343e+00],  
[2.7059e+00, 1.9951e-03, 1.9493e-01],  
[2.7907e+01, 4.5335e-02, 2.1130e+00],  
[1.3850e+00, 1.1682e-03, 1.3437e-01],  
[2.6536e+01, 3.2944e-02, 9.9137e-01],  
[3.8690e-02, 1.0786e-06, 5.2865e-03],  
[6.7033e+01, 5.6626e-01, 1.2228e+00],  
[8.0510e-02, 5.4286e-06, 1.0714e-02],  
[6.4434e-03, 6.4745e-09, 1.0009e-03],  
[2.2911e+01, 9.0494e-02, 1.0419e+00],  
[4.4611e+01, 1.3859e-01, 1.1283e+00],  
[1.6507e+00, 2.7047e-04, 1.6648e-01],  
[1.0281e+01, 7.1257e-02, 6.9149e-01],  
[2.8684e+02, 1.3035e+01, 5.1384e+00],  
[3.7728e+01, 6.6940e-02, 2.5551e+00],  
[8.8696e-01, 2.8040e-04, 7.0986e-02],  
[1.3776e+01, 2.4621e-02, 1.1880e+00],  
[6.7458e-02, 7.2949e-07, 9.6401e-03],  
[1.4314e-01, 1.2364e-05, 1.8224e-02],  
[4.2579e+01, 1.4187e-01, 1.5733e+00],  
[1.4099e+00, 7.4171e-05, 1.2732e-01],

[8.3946e+00, 3.8274e-03, 5.5770e-01],  
 [1.7524e-01, 5.3735e-06, 1.9149e-02],  
 [7.2146e-01, 8.4987e-05, 4.9638e-02],  
 [1.8996e+01, 2.8251e-02, 1.0545e+00],  
 [2.2839e-02, 9.0716e-08, 3.5798e-03],  
 [2.7417e+01, 1.9778e-01, 1.2867e+00],  
 [3.3156e+02, 1.4542e+01, 4.9422e+00],  
 [1.1634e+01, 1.0995e-02, 5.2605e-01],  
 [1.4444e+01, 8.2866e-02, 1.2634e+00],  
 [6.8361e-01, 2.3994e-04, 8.7860e-02],  
 [9.8403e+01, 2.5394e+00, 3.9382e+00],  
 [1.2658e+02, 1.2903e+00, 4.1977e+00],  
 [3.2103e+01, 5.8543e-01, 2.3024e+00],  
 [3.3358e+01, 1.1519e-01, 1.0779e+00],  
 [2.8386e+01, 3.2431e-01, 1.4573e+00],  
 [6.5878e+01, 1.1819e+00, 3.6673e+00],  
 [1.6329e-01, 3.9774e-06, 2.1348e-02],  
 [9.1844e+01, 1.2495e-01, 2.7912e+00],  
 [8.5362e-02, 2.0507e-06, 1.1819e-02],  
 [1.2300e+01, 6.1802e-02, 7.3133e-01],  
 [1.2618e-01, 4.4855e-06, 1.9015e-02],  
 [6.6252e-02, 3.8771e-06, 1.0134e-02],  
 [7.7075e-02, 6.5619e-06, 1.1513e-02],  
 [1.3985e+00, 1.1049e-04, 1.6914e-01],  
 [4.7411e+01, 1.2229e-01, 1.2674e+00],  
 [9.8754e+01, 2.7558e-01, 2.5591e+00],  
 [2.0709e+01, 1.4318e-01, 1.0464e+00],  
 [1.2160e+02, 6.5943e-01, 3.9361e+00],  
 [5.8636e-02, 2.3810e-07, 7.9151e-03],  
 [7.1318e-01, 3.3615e-04, 1.0239e-01],  
 [6.3030e-01, 1.3320e-04, 6.3623e-02],  
 [2.3455e+00, 1.1793e-03, 2.6126e-01],  
 [8.1225e+00, 1.1778e-02, 3.3284e-01],  
 [1.6037e+02, 5.7319e-01, 3.4384e+00],  
 [7.2682e+01, 1.7004e+00, 2.5170e+00],  
 [1.8233e+02, 2.3043e+00, 3.6104e+00],  
 [3.3617e+01, 2.2424e-01, 2.0097e+00],  
 [9.4988e-01, 4.1053e-05, 6.1672e-02],  
 [3.2085e-02, 2.9249e-07, 4.5817e-03],  
 [1.5312e+00, 3.7769e-05, 9.3225e-02],  
 [8.8594e+01, 6.8604e-01, 3.4987e+00],  
 [7.2919e+01, 1.3927e+00, 2.2139e+00],  
 [3.5652e+01, 2.5715e-01, 1.2830e+00],  
 [8.5300e+01, 4.5110e-01, 4.0261e+00],  
 [7.9126e-01, 1.3700e-04, 8.2626e-02],  
 [8.3479e-03, 1.2854e-08, 1.3070e-03],  
 [1.2716e+01, 1.4718e-02, 8.0158e-01],  
 [2.2051e+00, 4.8304e-04, 1.3273e-01],

[2.7139e+01, 4.1225e-02, 1.0078e+00],  
 [1.9338e-01, 7.6739e-07, 2.1531e-02],  
 [1.1763e+02, 9.8225e-01, 3.7438e+00],  
 [9.9217e+00, 1.2365e-03, 5.1733e-01],  
 [2.6331e+01, 2.2307e-01, 1.1536e+00],  
 [5.3162e+01, 6.0068e-01, 2.4529e+00],  
 [9.7110e-01, 1.0835e-04, 1.0747e-01],  
 [3.0755e+00, 1.2884e-03, 1.9416e-01],  
 [1.5850e+01, 3.1062e-02, 8.7208e-01],  
 [3.6809e+01, 1.1376e-01, 1.4979e+00],  
 [7.7824e+01, 2.3934e+00, 3.4411e+00],  
 [2.1859e+00, 5.5593e-04, 2.6581e-01],  
 [3.5484e+01, 8.1173e-02, 1.8525e+00],  
 [1.7638e+02, 6.4882e+00, 4.2979e+00],  
 [2.4605e+02, 1.9018e+00, 4.6846e+00],  
 [1.0454e+02, 6.6855e-01, 3.5750e+00],  
 [3.1467e+00, 8.3148e-04, 1.7699e-01],  
 [1.4011e-01, 3.4432e-06, 1.6758e-02],  
 [1.1914e+00, 4.1732e-04, 9.9351e-02],  
 [1.8607e+02, 3.2019e+00, 3.4773e+00],  
 [8.5600e+00, 1.0304e-02, 4.3159e-01],  
 [3.3806e+00, 1.0985e-03, 1.8868e-01],  
 [4.2710e+01, 6.4508e-01, 1.2242e+00],  
 [2.6685e+01, 2.2563e-02, 7.4490e-01],  
 [4.6195e+00, 3.3971e-03, 2.7656e-01],  
 [2.0081e+00, 4.7889e-03, 2.5164e-01],  
 [4.1715e+01, 2.8428e-01, 2.9391e+00],  
 [5.9510e+00, 6.4611e-03, 4.2775e-01],  
 [3.4612e-02, 6.7773e-07, 4.8990e-03],  
 [8.4434e+00, 6.6576e-02, 7.7341e-01],  
 [4.8406e-02, 6.7667e-07, 7.1132e-03],  
 [6.1304e-02, 3.7225e-07, 8.3253e-03],  
 [8.6150e+01, 5.8082e-01, 2.8025e+00],  
 [6.9620e+01, 1.3524e+00, 2.2266e+00],  
 [3.4458e+00, 5.0135e-03, 2.9575e-01],  
 [7.9479e+01, 6.7726e-01, 2.5549e+00],  
 [1.9647e+01, 2.8477e-01, 1.7029e+00],  
 [2.3703e+02, 2.3743e+00, 4.0464e+00],  
 [4.7262e+00, 8.1278e-03, 3.5795e-01],  
 [3.6794e+01, 5.1432e-01, 1.2932e+00],  
 [1.0361e+00, 2.3314e-04, 1.1420e-01],  
 [2.3338e+01, 3.3649e-02, 8.3895e-01],  
 [2.3861e+00, 1.2314e-03, 1.8905e-01],  
 [2.6087e+00, 2.4526e-03, 2.1176e-01],  
 [4.9142e+01, 4.5052e-01, 2.3300e+00],  
 [1.1486e+02, 1.1363e+00, 2.0716e+00],  
 [9.2348e-01, 1.7584e-04, 8.2972e-02],  
 [3.1058e-01, 4.4117e-05, 3.5590e-02],

```

[5.8916e+01, 8.1037e-01, 1.7588e+00],
[7.0728e+01, 7.0830e-01, 2.2050e+00],
[1.4081e+01, 6.8941e-02, 1.1508e+00],
[4.3623e+01, 4.0167e-01, 1.1495e+00],
[1.2630e-01, 1.9021e-05, 1.8611e-02],
[9.7149e-01, 2.1415e-04, 9.5470e-02],
[4.4866e+01, 4.9805e-01, 1.1993e+00],
[5.1810e+01, 2.6018e-01, 1.5077e+00],
[1.8503e+02, 5.1363e-01, 3.4932e+00],
[1.6728e+00, 6.3889e-04, 2.0504e-01],
[5.5955e+01, 7.8458e-02, 1.5900e+00],
[1.0282e+02, 1.7595e+00, 2.5601e+00],
[1.5813e+01, 1.7122e-02, 9.0992e-01],
[7.7058e+01, 1.8566e-01, 2.7389e+00],
[1.5624e-02, 2.1809e-07, 2.3772e-03],
[2.5237e+02, 2.8173e+00, 4.8118e+00],
[1.3400e+00, 1.5870e-04, 8.6312e-02],
[7.9439e-02, 3.8519e-07, 1.0696e-02],
[6.9812e+01, 9.2403e-01, 2.4649e+00],
[2.3607e+02, 4.8821e+00, 4.5944e+00],
[1.8063e+00, 8.3933e-04, 1.1479e-01],
[4.9948e-01, 6.5258e-06, 3.5859e-02],
[4.5409e+01, 2.7683e-01, 2.6073e+00],
[4.0793e+00, 8.4988e-03, 3.7118e-01],
[4.0981e+01, 2.1485e-01, 1.0835e+00],
[9.5453e+01, 2.0884e+00, 2.6727e+00],
[4.8760e+00, 4.8548e-03, 3.5918e-01],
[9.1686e-01, 6.2156e-05, 6.4387e-02]], dtype=torch.float64)
Iteration: 144
Inputs: tensor([[2.8075e+20, 4.4072e+02, 6.1684e+00, 1.3432e+00],
                [2.5055e+19, 2.3611e+02, 1.4809e+01, 4.9597e+00],
                [2.2983e+20, 3.1390e+02, 1.9621e+01, 3.9499e+00],
                ...,
                [2.4772e+19, 4.0738e+02, 1.0175e+01, 7.5880e+00],
                [6.3010e+19, 1.2165e+02, 1.4392e+01, 5.2567e+00],
                [4.4753e+19, 4.2113e+02, 1.5847e+01, 3.6222e+00]]), dtype=torch.float64)
Target: tensor([[6.1444e+01, 5.3201e-02, 2.3153e+00],
                [4.8121e+00, 5.5396e-03, 3.5715e-01],
                [3.6804e+01, 2.2213e-01, 1.8370e+00],
                [5.4729e+00, 6.8542e-03, 4.9804e-01],
                [1.5642e+01, 1.8897e-03, 5.7562e-01],
                [3.4769e+01, 1.9839e-01, 1.1654e+00],
                [1.6788e-01, 7.3847e-06, 2.4203e-02],
                [1.4169e+01, 1.7996e-02, 5.7117e-01],
                [2.5778e+01, 1.1198e-01, 7.9864e-01],
                [1.9210e+01, 4.1163e-02, 1.4133e+00],
                [1.7220e+01, 1.3934e-02, 5.8035e-01],
                [5.6124e+00, 1.2638e-02, 3.4827e-01],

```



[2.0359e+00, 1.5985e-04, 9.4683e-02],  
 [4.4350e+01, 1.1477e-01, 1.1803e+00],  
 [4.3738e-01, 1.0635e-05, 3.5285e-02],  
 [4.2641e+01, 4.3937e-01, 2.5141e+00],  
 [2.5204e+02, 3.6571e+00, 4.6923e+00],  
 [4.8578e+01, 7.0775e-01, 2.1469e+00],  
 [6.7261e+00, 2.8450e-02, 4.8112e-01],  
 [9.0637e-02, 2.7551e-06, 1.2208e-02],  
 [6.1172e-03, 1.4817e-08, 9.3608e-04],  
 [1.2563e+02, 1.3844e+00, 2.3584e+00],  
 [4.0075e-01, 1.1289e-04, 4.3139e-02],  
 [8.3214e+00, 5.0251e-03, 3.4700e-01],  
 [2.3265e+01, 6.2038e-02, 7.5063e-01],  
 [7.9368e+00, 1.4323e-03, 3.4376e-01],  
 [5.7156e-04, 1.7845e-10, 9.3371e-05],  
 [1.1675e+02, 2.3671e+00, 2.4171e+00],  
 [4.8959e-01, 1.6086e-04, 5.9809e-02],  
 [6.5650e+01, 7.8779e-02, 2.5840e+00],  
 [1.2774e+02, 3.7113e+00, 3.1324e+00],  
 [3.5051e-01, 3.3624e-05, 4.1499e-02],  
 [3.4117e+00, 1.7344e-02, 4.0563e-01],  
 [5.3400e+00, 1.6516e-03, 3.8376e-01],  
 [2.8084e+01, 2.3866e-01, 1.2020e+00],  
 [1.0511e-01, 4.9703e-06, 1.4467e-02],  
 [6.1553e+00, 2.2225e-03, 3.1896e-01],  
 [1.0286e-01, 5.1007e-06, 1.3505e-02],  
 [5.1317e+01, 5.6767e-02, 3.1523e+00],  
 [8.1205e+01, 5.3004e-01, 3.8486e+00],  
 [2.8493e+00, 1.4351e-03, 1.9848e-01],  
 [1.0383e+01, 5.4964e-03, 9.5191e-01],  
 [8.8092e-02, 9.0048e-06, 1.0919e-02],  
 [1.8951e-01, 1.6519e-05, 2.2687e-02],  
 [2.1196e-03, 9.5377e-10, 3.3773e-04],  
 [1.5697e+01, 1.9010e-02, 1.5325e+00],  
 [2.1095e+01, 2.1388e-03, 8.7180e-01],  
 [1.9790e+02, 2.5515e+00, 3.7677e+00],  
 [4.1831e+01, 3.7900e-01, 1.5077e+00],  
 [1.1722e+01, 2.1192e-02, 9.1499e-01],  
 [3.8677e+00, 2.2214e-03, 3.1323e-01],  
 [1.7301e+02, 3.6252e+00, 2.8454e+00],  
 [3.8270e+01, 1.8046e-01, 1.0043e+00],  
 [1.5526e+02, 1.2050e+00, 3.1885e+00],  
 [2.9416e-02, 3.7133e-08, 4.4425e-03],  
 [1.3925e+01, 5.0069e-02, 5.8247e-01],  
 [2.2536e+00, 2.4100e-04, 1.3521e-01],  
 [3.2203e-04, 1.4942e-11, 5.2853e-05],  
 [6.0501e+01, 6.3816e-01, 2.0754e+00],  
 [1.3920e-02, 3.3591e-08, 2.2024e-03],

[2.2598e+01, 4.1171e-02, 7.1131e-01],  
 [1.9350e-02, 4.9591e-08, 2.9766e-03],  
 [2.7975e-02, 6.3431e-07, 3.8550e-03],  
 [3.7106e-01, 7.7378e-05, 4.0931e-02],  
 [2.2748e+00, 8.9047e-04, 1.2907e-01],  
 [3.4372e+00, 1.3066e-02, 3.6203e-01],  
 [1.2833e+00, 6.1805e-05, 7.7255e-02],  
 [9.8964e-04, 5.0180e-10, 1.6006e-04],  
 [1.9626e+01, 1.9052e-01, 1.0899e+00],  
 [2.1189e+02, 4.1321e+00, 3.7027e+00],  
 [3.5568e+00, 2.7980e-03, 2.3651e-01],  
 [2.0288e+00, 1.0544e-03, 1.8420e-01],  
 [5.2875e-01, 8.8212e-05, 5.5619e-02],  
 [7.0261e+01, 2.5610e-01, 3.2844e+00],  
 [7.9056e+00, 3.3359e-02, 5.8696e-01],  
 [2.5885e+00, 1.5193e-03, 1.8512e-01],  
 [2.9589e+01, 4.7055e-02, 1.0577e+00],  
 [1.8531e+02, 5.4464e+00, 4.6875e+00],  
 [2.0206e+00, 1.6467e-03, 1.9446e-01],  
 [8.2054e-03, 8.0958e-08, 1.2377e-03],  
 [4.3619e+01, 4.5476e-01, 1.1970e+00],  
 [2.5342e+01, 1.1146e-01, 1.0518e+00],  
 [4.9543e-02, 2.8084e-06, 6.4036e-03],  
 [1.1448e-02, 5.0075e-08, 1.7469e-03],  
 [5.2821e+01, 3.3147e-01, 1.1224e+00],  
 [1.6651e+00, 3.3682e-04, 1.5706e-01],  
 [1.0669e-03, 1.9107e-10, 1.7390e-04],  
 [7.6001e-01, 1.5571e-04, 7.8868e-02],  
 [3.2677e-02, 3.9089e-07, 4.4451e-03],  
 [8.4838e+00, 7.1430e-03, 4.5881e-01],  
 [4.1904e+01, 6.5493e-01, 1.9183e+00],  
 [1.3377e+01, 1.1255e-01, 8.2917e-01],  
 [2.3301e-01, 5.8645e-06, 3.2319e-02],  
 [3.0287e-01, 1.1357e-04, 4.1207e-02],  
 [3.3399e-02, 9.3226e-08, 5.0264e-03],  
 [1.7907e+02, 4.1254e+00, 3.5523e+00],  
 [8.7706e-01, 2.0806e-04, 1.0296e-01],  
 [3.3681e+00, 1.7624e-03, 2.3084e-01],  
 [9.5174e-01, 1.5744e-04, 8.9474e-02],  
 [1.4323e+01, 1.8412e-02, 6.0131e-01],  
 [1.9073e+02, 3.1544e+00, 3.9900e+00],  
 [1.2605e+02, 7.7051e-01, 3.9766e+00],  
 [3.7751e-01, 9.0585e-05, 4.7202e-02],  
 [1.8963e-01, 6.9039e-06, 2.1933e-02],  
 [1.1123e+01, 2.5000e-02, 4.1093e-01],  
 [7.3924e+01, 4.6858e-02, 1.8790e+00],  
 [9.3817e-03, 7.2692e-08, 1.4133e-03],  
 [4.6147e+00, 3.5495e-03, 2.9563e-01],

[7.3715e+01, 2.1348e+00, 3.7329e+00],  
 [2.0759e-02, 1.8891e-08, 2.9496e-03],  
 [1.6924e+00, 1.5683e-04, 1.6502e-01],  
 [8.2736e+01, 3.5428e-01, 2.0936e+00],  
 [2.9851e+01, 2.4093e-01, 1.6503e+00],  
 [6.7133e+01, 3.8992e-02, 3.5608e+00],  
 [5.7036e-02, 9.4865e-07, 8.1850e-03],  
 [1.0373e+01, 6.6562e-03, 8.4057e-01],  
 [2.2823e-02, 6.9577e-07, 3.4295e-03],  
 [2.1015e+00, 5.1816e-05, 1.6317e-01],  
 [1.0323e+02, 4.2616e-01, 2.3473e+00],  
 [1.3626e+01, 5.1238e-02, 5.8309e-01],  
 [1.7645e+02, 4.4364e-01, 4.2983e+00],  
 [2.6502e-03, 3.2711e-09, 4.1794e-04],  
 [2.0999e+02, 3.8868e+00, 4.3543e+00],  
 [9.6062e+00, 3.3796e-02, 8.3066e-01],  
 [2.1215e+00, 1.0520e-04, 1.5422e-01],  
 [1.4767e+00, 4.2914e-04, 8.8060e-02],  
 [1.7514e+00, 5.1700e-04, 1.2711e-01],  
 [2.1520e+01, 3.0954e-02, 1.1351e+00],  
 [7.3399e+00, 6.1862e-03, 3.3819e-01],  
 [4.7093e-04, 3.3349e-11, 7.6988e-05],  
 [1.6188e+01, 1.7867e-02, 5.3832e-01],  
 [9.6381e+01, 2.9317e+00, 2.9207e+00],  
 [4.9347e-01, 2.9818e-04, 6.3473e-02],  
 [2.0467e+00, 3.1883e-03, 2.2177e-01],  
 [2.9881e+01, 1.4160e-01, 1.2888e+00],  
 [8.1187e-01, 1.0127e-04, 1.0112e-01],  
 [1.1008e-02, 1.9831e-08, 1.7212e-03],  
 [8.0906e+00, 1.3019e-02, 6.6865e-01],  
 [9.1827e+01, 1.3081e-01, 1.7899e+00],  
 [1.8673e+02, 1.9256e+00, 3.7454e+00],  
 [2.1521e+01, 1.4122e-01, 1.4215e+00],  
 [2.2318e+00, 2.7104e-03, 2.1547e-01],  
 [7.4831e+01, 5.9106e-01, 2.0184e+00],  
 [8.5456e+00, 1.0667e-02, 4.5499e-01],  
 [1.4788e+00, 4.0458e-04, 1.0560e-01],  
 [4.0459e-01, 7.7046e-05, 3.6567e-02],  
 [3.3839e+00, 1.3093e-03, 1.8350e-01],  
 [4.1582e+00, 1.8766e-03, 2.2436e-01],  
 [4.1068e+01, 5.9540e-01, 2.2681e+00],  
 [2.0195e+01, 1.1269e-02, 6.8937e-01],  
 [9.9956e+00, 3.6752e-02, 4.6986e-01],  
 [3.2634e+00, 2.6469e-03, 2.0884e-01],  
 [3.4778e-01, 3.8838e-05, 2.8311e-02],  
 [1.1793e+01, 3.5792e-02, 1.0382e+00],  
 [2.0805e-02, 5.3926e-08, 2.9473e-03],  
 [1.9276e+01, 5.0646e-02, 6.1410e-01],

[6.4478e-01, 1.5801e-04, 8.1938e-02],  
 [2.9074e-01, 1.5017e-05, 3.6865e-02],  
 [1.1168e+00, 1.1946e-04, 8.3938e-02],  
 [2.2977e-03, 1.0312e-09, 3.6691e-04],  
 [7.4097e-02, 1.6642e-06, 9.6837e-03],  
 [6.1538e+00, 2.9525e-03, 6.0142e-01],  
 [2.6860e+00, 1.3082e-03, 2.2100e-01],  
 [1.0296e+02, 1.4084e+00, 2.4158e+00],  
 [5.6850e-01, 3.6417e-04, 7.1037e-02],  
 [3.5482e-01, 2.1684e-05, 3.4586e-02],  
 [4.7203e+01, 1.6234e-01, 1.0822e+00],  
 [6.1650e+00, 1.6268e-02, 4.5367e-01],  
 [1.5855e-01, 2.6225e-05, 2.0713e-02],  
 [1.7803e+01, 5.5169e-02, 7.8793e-01],  
 [9.7967e-01, 4.4191e-05, 9.9129e-02],  
 [1.0874e+02, 1.8107e+00, 2.2684e+00],  
 [4.1161e+01, 2.6855e-01, 1.8184e+00],  
 [7.7478e+01, 3.8742e-01, 3.5484e+00],  
 [2.1835e-01, 3.2687e-05, 2.2977e-02],  
 [7.0515e+00, 9.9070e-03, 5.0993e-01],  
 [3.4528e+01, 2.2898e-01, 1.7903e+00],  
 [5.0556e+00, 1.4910e-04, 2.9187e-01],  
 [3.3592e+00, 1.1237e-03, 3.4056e-01],  
 [8.6467e-02, 2.6855e-06, 1.0889e-02],  
 [3.4287e+00, 6.8544e-04, 2.0462e-01],  
 [8.6640e-02, 1.8863e-06, 1.0433e-02],  
 [1.6092e+01, 1.3574e-02, 5.6924e-01],  
 [2.8667e+01, 1.1374e-01, 1.6200e+00],  
 [2.7019e+00, 1.6076e-03, 1.9308e-01],  
 [4.7565e-02, 3.8256e-06, 6.9645e-03],  
 [2.5451e+01, 2.1905e-01, 1.0486e+00],  
 [3.9777e+00, 3.6232e-03, 2.4309e-01],  
 [1.8050e-02, 8.8967e-08, 2.5909e-03],  
 [2.3673e+01, 2.8828e-02, 1.9337e+00],  
 [1.4237e+01, 2.0429e-02, 1.1946e+00],  
 [3.7182e+01, 2.5278e-01, 1.3780e+00],  
 [4.6967e-01, 5.8966e-05, 4.8087e-02],  
 [4.5605e+01, 1.0889e-01, 1.0915e+00],  
 [2.0532e+00, 5.7903e-04, 2.0022e-01],  
 [6.0496e+00, 8.5291e-03, 3.2199e-01],  
 [1.7214e+01, 6.5985e-03, 1.2187e+00],  
 [8.8768e+01, 8.6100e-01, 2.4043e+00],  
 [2.0427e+00, 8.7957e-04, 1.3588e-01],  
 [4.1086e+01, 3.3742e-01, 1.7181e+00],  
 [3.1486e+00, 5.9830e-03, 3.6332e-01],  
 [1.0960e+01, 7.7219e-02, 1.1285e+00],  
 [1.5478e+01, 1.5558e-01, 1.2879e+00],  
 [1.9801e+00, 1.5580e-04, 1.7584e-01],

[2.1170e-02, 1.4224e-07, 3.0909e-03],  
 [8.5120e+01, 1.5516e+00, 2.1538e+00],  
 [5.9791e+01, 5.1556e-01, 1.3607e+00],  
 [1.6796e+00, 2.1841e-03, 1.5329e-01],  
 [9.3049e+00, 1.4661e-02, 7.1318e-01],  
 [6.9936e+01, 6.1032e-01, 1.5504e+00],  
 [4.7255e-03, 2.3517e-08, 7.4856e-04],  
 [1.2352e+01, 8.7665e-03, 6.0589e-01],  
 [1.3610e+02, 1.2301e+00, 3.7447e+00],  
 [2.8684e+01, 2.7603e-01, 2.0979e+00],  
 [7.0272e+00, 4.5973e-03, 2.7692e-01],  
 [1.3670e+00, 8.6409e-04, 1.4644e-01],  
 [2.7311e+01, 1.0163e-01, 6.6006e-01],  
 [2.3691e+02, 5.0459e+00, 4.2837e+00],  
 [1.4713e-02, 1.4815e-07, 2.1859e-03],  
 [1.7558e+00, 4.6224e-04, 1.1592e-01],  
 [7.6103e+00, 8.2694e-03, 6.8230e-01],  
 [1.5945e-02, 3.8225e-08, 2.3807e-03],  
 [1.0070e+02, 1.4358e+00, 3.7379e+00],  
 [3.0499e+01, 1.4302e-01, 1.1299e+00],  
 [3.7079e+00, 1.2271e-03, 2.0634e-01],  
 [3.4865e+01, 4.2325e-01, 1.4581e+00],  
 [3.8485e+00, 1.2409e-03, 1.5785e-01],  
 [4.8659e+01, 1.5761e-01, 1.6505e+00],  
 [9.5188e+01, 2.1835e-01, 4.0919e+00],  
 [3.4543e-01, 7.7731e-06, 3.4507e-02],  
 [1.0731e-02, 4.6011e-08, 1.6455e-03],  
 [3.2280e+00, 7.4730e-04, 1.8156e-01],  
 [8.7385e+01, 1.0313e+00, 3.0949e+00],  
 [3.6935e+01, 1.0056e-01, 1.1910e+00],  
 [3.4494e-01, 2.0335e-05, 2.8783e-02],  
 [3.9244e+01, 1.1410e-01, 1.8691e+00],  
 [8.5743e+00, 1.0387e-02, 6.5765e-01],  
 [5.1992e+00, 3.7134e-03, 3.8228e-01],  
 [2.6474e-01, 9.8889e-06, 2.4562e-02],  
 [1.3092e+02, 1.9980e+00, 3.2428e+00],  
 [4.3892e+01, 2.7005e-01, 1.5713e+00],  
 [2.1588e+00, 4.4545e-04, 1.8565e-01],  
 [1.0812e+01, 6.7778e-03, 1.1844e+00],  
 [1.5446e+01, 5.3902e-02, 5.9300e-01],  
 [1.0630e+01, 4.6898e-03, 4.7096e-01],  
 [2.2905e+01, 1.0113e-01, 7.7256e-01],  
 [6.1065e-02, 3.8400e-06, 7.6144e-03],  
 [2.1623e+01, 8.1452e-02, 9.2712e-01],  
 [3.4919e+01, 3.4927e-01, 1.1172e+00],  
 [4.9406e-01, 6.2865e-05, 3.7633e-02],  
 [2.0666e+01, 7.1555e-03, 7.2451e-01],  
 [3.2060e+00, 1.7859e-03, 1.8165e-01],

[7.0094e+01, 5.3320e-01, 1.4813e+00],  
 [4.0631e+01, 1.7691e-01, 9.3605e-01],  
 [1.7445e+01, 1.5687e-01, 9.9423e-01],  
 [5.4280e+01, 2.0735e-01, 2.3514e+00],  
 [4.2717e-01, 9.1080e-06, 4.1856e-02],  
 [9.0382e+00, 1.0215e-02, 4.9026e-01],  
 [3.0065e-02, 1.0308e-06, 4.6360e-03],  
 [7.0347e-02, 9.6070e-07, 9.1226e-03],  
 [5.0652e+00, 5.7099e-03, 2.5438e-01],  
 [3.1275e+00, 8.1934e-04, 1.7887e-01],  
 [7.5214e-03, 9.5321e-08, 1.1818e-03],  
 [1.5825e-03, 5.8313e-10, 2.5471e-04],  
 [2.9604e+00, 2.9017e-03, 1.9044e-01],  
 [1.2073e+00, 9.6722e-04, 1.1836e-01],  
 [2.9562e+01, 1.1441e-01, 2.0664e+00],  
 [3.3520e+00, 2.6592e-03, 2.9160e-01],  
 [3.1134e+01, 1.4926e-01, 8.9365e-01],  
 [4.0434e-02, 1.6840e-06, 5.4566e-03],  
 [5.1843e-01, 8.4038e-05, 4.1742e-02],  
 [9.2238e+01, 1.2149e+00, 2.6292e+00],  
 [3.1020e+00, 1.5160e-03, 2.5679e-01],  
 [1.2441e+00, 5.1764e-04, 1.1107e-01],  
 [1.3219e-01, 1.4530e-06, 1.7224e-02],  
 [6.9858e-02, 2.7756e-06, 9.5876e-03],  
 [2.4628e+01, 6.4750e-02, 1.4776e+00],  
 [8.4800e-01, 5.0419e-04, 1.1677e-01],  
 [5.7479e+01, 1.4898e-01, 2.9573e+00],  
 [8.3115e+01, 5.3319e-01, 2.5560e+00],  
 [1.6967e+01, 3.0627e-02, 1.5826e+00],  
 [4.4458e-02, 1.1255e-06, 6.9274e-03],  
 [3.2642e+02, 4.0240e+00, 4.7886e+00],  
 [1.4391e+01, 2.7434e-02, 7.6401e-01],  
 [2.2591e-01, 1.5715e-05, 3.2021e-02],  
 [1.3671e+02, 3.3568e-01, 4.4022e+00],  
 [8.4541e+00, 1.0630e-02, 5.4411e-01],  
 [1.6400e-01, 5.6465e-06, 2.0590e-02],  
 [3.1072e+01, 1.9844e-01, 1.6359e+00],  
 [1.0965e+01, 4.2309e-03, 9.8386e-01],  
 [3.2056e-02, 4.2384e-07, 4.6332e-03],  
 [2.1137e+02, 4.9055e+00, 4.3648e+00],  
 [1.3164e+02, 4.1986e+00, 4.3916e+00],  
 [1.7054e-01, 9.3356e-06, 1.7931e-02],  
 [3.5876e-01, 4.7773e-05, 4.5072e-02],  
 [2.3857e+01, 1.0299e-01, 1.1149e+00],  
 [1.0704e+01, 1.2789e-02, 4.4190e-01],  
 [4.2288e+01, 8.1618e-03, 1.0232e+00],  
 [3.0249e+00, 2.8640e-03, 3.0495e-01],  
 [2.8344e-01, 4.0836e-05, 3.4969e-02],

```

[5.7060e+01, 3.4657e-01, 2.6123e+00],
[6.7318e+00, 3.3609e-02, 7.4898e-01],
[4.2558e+01, 5.3361e-02, 1.7300e+00],
[1.7051e+01, 7.1675e-02, 9.6509e-01],
[1.8527e+01, 4.2228e-02, 1.2320e+00],
[6.1300e+01, 8.6810e-01, 1.8922e+00],
[8.5266e+00, 7.0036e-03, 3.6470e-01],
[9.5902e-01, 7.9957e-04, 1.1075e-01],
[1.6811e+00, 8.1653e-05, 9.2501e-02],
[4.4134e+01, 4.6513e-01, 1.8257e+00],
[3.9833e-02, 3.9177e-07, 5.4479e-03],
[2.6888e+00, 5.4828e-03, 2.6823e-01],
[1.2210e+00, 1.9778e-04, 1.4564e-01],
[2.3441e-02, 7.3370e-08, 3.5738e-03],
[2.5844e+01, 8.4057e-02, 8.5646e-01],
[1.5039e-01, 8.7034e-06, 1.6718e-02],
[2.8287e+00, 2.4048e-03, 1.8416e-01],
[1.4420e+01, 3.6444e-02, 5.5695e-01],
[7.2569e+00, 1.7720e-02, 5.7561e-01],
[1.3814e+01, 2.5069e-02, 7.0775e-01]], dtype=torch.float64)
Iteration: 145
Inputs: tensor([[9.4043e+20, 9.3047e+01, 1.7082e+01, 8.0367e+00],
[2.3724e+19, 1.2776e+02, 1.3309e+01, 8.3944e+00],
[3.8212e+18, 4.8719e+02, 3.9653e+00, 3.6360e+00],
...,
[4.6890e+19, 3.9584e+01, 9.4951e-01, 9.2243e+00],
[3.2292e+18, 5.9459e+01, 1.4744e+01, 1.9046e+00],
[1.9553e+19, 4.2938e+02, 1.9169e+01, 7.1365e+00]], dtype=torch.float64)
Target: tensor([[6.0192e+01, 1.4472e+00, 3.5175e+00],
[3.4477e+00, 6.2293e-03, 2.8935e-01],
[1.9967e+00, 1.5522e-04, 1.1727e-01],
[1.1280e+02, 2.6007e+00, 3.1412e+00],
[1.1153e+00, 1.9149e-04, 9.7370e-02],
[1.4263e+00, 3.4799e-05, 1.2662e-01],
[8.7551e-01, 8.8116e-05, 8.8414e-02],
[1.9785e+01, 1.4666e-02, 1.2590e+00],
[9.1166e+00, 1.7531e-02, 6.9272e-01],
[2.1200e+01, 3.0899e-02, 1.4740e+00],
[5.5800e-02, 2.2398e-06, 8.1989e-03],
[3.9215e+01, 3.8647e-01, 1.3282e+00],
[3.1080e-01, 3.0187e-05, 3.5562e-02],
[4.4870e+01, 4.6574e-02, 1.4348e+00],
[5.7297e+01, 7.8885e-01, 3.4086e+00],
[3.7232e+01, 8.3216e-02, 2.5869e+00],
[6.3024e+01, 6.5911e-02, 1.4734e+00],
[3.5489e+01, 3.3027e-01, 1.0362e+00],
[5.1288e+01, 2.1267e-01, 2.5907e+00],
[1.0721e+01, 2.6503e-02, 6.7159e-01],

```

[5.9843e+00, 2.5772e-03, 3.4614e-01],  
[1.1212e+00, 1.3277e-04, 7.8153e-02],  
[2.0089e+02, 9.6023e+00, 4.5283e+00],  
[3.9641e+00, 3.8956e-03, 2.3239e-01],  
[1.6993e+01, 8.2376e-02, 6.8820e-01],  
[2.2089e+01, 7.0212e-02, 1.0481e+00],  
[1.0705e-01, 2.5010e-06, 1.3385e-02],  
[2.4316e+00, 6.1512e-04, 2.9316e-01],  
[5.9738e+01, 5.0046e-01, 1.6848e+00],  
[2.2438e+01, 9.5381e-02, 1.0121e+00],  
[4.3347e+00, 1.3136e-03, 3.0936e-01],  
[4.3332e+00, 9.9580e-04, 2.5935e-01],  
[1.8932e+00, 3.7048e-04, 2.0966e-01],  
[5.8046e-02, 1.3839e-06, 7.6987e-03],  
[9.8349e+00, 6.3483e-03, 5.6902e-01],  
[1.0544e+02, 2.5428e-01, 2.1501e+00],  
[2.2809e+02, 1.3618e+01, 4.5582e+00],  
[1.7766e+01, 3.3104e-02, 1.2922e+00],  
[7.4727e-01, 7.7586e-05, 6.7605e-02],  
[1.4105e+02, 2.3715e+00, 4.1745e+00],  
[7.8283e-04, 9.0456e-11, 1.2698e-04],  
[2.2926e-02, 7.8040e-08, 3.4617e-03],  
[2.4663e+01, 1.7024e-01, 1.2855e+00],  
[2.0690e-01, 1.2639e-05, 2.5994e-02],  
[1.5271e+00, 2.4163e-04, 1.6442e-01],  
[2.0152e+01, 1.6012e-01, 7.6370e-01],  
[2.9927e+01, 3.6351e-02, 1.0418e+00],  
[1.2725e-01, 1.2953e-05, 1.6859e-02],  
[6.7087e-01, 1.3071e-04, 7.4168e-02],  
[2.6024e+01, 8.4454e-02, 7.1024e-01],  
[2.4595e+02, 2.4266e+00, 5.0649e+00],  
[6.4138e-01, 1.3199e-04, 9.5117e-02],  
[1.4318e+01, 6.0248e-02, 8.8016e-01],  
[9.8286e-01, 1.1687e-04, 1.1146e-01],  
[4.9715e+01, 5.1679e-01, 1.2879e+00],  
[1.5431e+00, 1.2926e-03, 1.2734e-01],  
[2.5771e-01, 2.1104e-05, 3.1128e-02],  
[4.8999e-02, 2.2918e-06, 7.5871e-03],  
[3.8391e+01, 2.5877e-01, 1.4656e+00],  
[2.0380e+01, 1.3953e-01, 8.3067e-01],  
[7.9764e-01, 2.3970e-04, 8.2169e-02],  
[3.1336e-01, 9.0683e-06, 3.9732e-02],  
[6.8255e-01, 9.5098e-05, 7.4381e-02],  
[2.0093e+00, 1.5587e-03, 1.6575e-01],  
[2.0530e+01, 1.6361e-01, 1.0089e+00],  
[2.8168e+01, 9.5434e-02, 1.3469e+00],  
[6.7783e+01, 8.6077e-01, 3.3813e+00],  
[1.3240e+02, 4.7565e+00, 3.1934e+00],



[5.1800e+00, 5.7034e-03, 2.8214e-01],  
 [1.7779e+01, 5.5216e-02, 1.1981e+00],  
 [2.8960e+00, 2.3215e-03, 3.6706e-01],  
 [5.5703e-01, 5.7167e-05, 4.4726e-02],  
 [1.9451e-03, 4.5220e-09, 3.1317e-04],  
 [3.0602e+01, 7.5766e-02, 1.1827e+00],  
 [1.0172e+01, 2.0517e-02, 4.8359e-01],  
 [3.2160e+01, 3.7134e-02, 1.6757e+00],  
 [3.2552e+01, 1.9322e-01, 2.2473e+00],  
 [8.6928e-01, 4.1459e-05, 7.9872e-02],  
 [2.6231e+01, 7.2038e-02, 1.0175e+00],  
 [3.7180e+01, 2.5580e-01, 1.4011e+00],  
 [1.3525e+01, 4.8367e-02, 6.9254e-01],  
 [9.8502e-04, 2.1006e-10, 1.5969e-04],  
 [5.4053e+01, 4.2620e-01, 2.2618e+00],  
 [3.4702e-03, 1.2212e-08, 5.5429e-04],  
 [1.6328e-01, 2.0765e-05, 1.9433e-02],  
 [7.2554e-02, 3.3060e-06, 1.0219e-02],  
 [7.7953e+00, 4.2662e-03, 4.6687e-01],  
 [8.6226e+01, 8.3605e-01, 3.7334e+00],  
 [2.0873e+00, 4.4521e-03, 2.7180e-01],  
 [1.5928e-01, 9.8230e-06, 1.7070e-02],  
 [1.2565e-01, 1.8111e-06, 1.8197e-02],  
 [8.2754e+01, 1.1639e+00, 1.9809e+00],  
 [1.3922e+01, 1.0607e-02, 6.1508e-01],  
 [4.6235e-01, 2.6109e-04, 5.7548e-02],  
 [2.1104e+01, 1.1797e-02, 5.9912e-01],  
 [4.8991e-01, 1.5310e-05, 6.0528e-02],  
 [1.3517e+01, 1.4095e-02, 4.9669e-01],  
 [2.8193e+01, 9.3863e-02, 9.9701e-01],  
 [7.8103e-01, 7.0266e-05, 7.7949e-02],  
 [9.2330e+01, 1.7231e+00, 2.2595e+00],  
 [6.3482e-02, 3.1131e-06, 7.8710e-03],  
 [6.3227e-01, 3.5650e-05, 5.4219e-02],  
 [9.4806e+00, 3.2327e-03, 6.5899e-01],  
 [1.5925e+02, 4.4112e+00, 3.8608e+00],  
 [4.2818e-01, 8.1873e-05, 3.8717e-02],  
 [1.9381e-01, 1.2437e-05, 2.4364e-02],  
 [4.5090e-01, 2.8994e-05, 3.4906e-02],  
 [2.5835e-01, 2.4841e-05, 2.2797e-02],  
 [1.2768e+02, 4.3643e+00, 3.0828e+00],  
 [3.0062e-01, 1.9738e-05, 3.3012e-02],  
 [9.2052e-04, 1.4356e-09, 1.4896e-04],  
 [1.3170e-01, 3.4224e-06, 1.8779e-02],  
 [3.3725e+01, 2.1254e-01, 1.2963e+00],  
 [9.2632e+00, 4.1500e-02, 6.7843e-01],  
 [2.2129e+00, 1.2220e-03, 1.7014e-01],  
 [2.3089e+00, 1.6750e-03, 1.3820e-01],

[5.0881e+00, 8.7579e-03, 3.2746e-01],  
[1.8665e+02, 8.1697e+00, 4.1320e+00],  
[2.0087e+01, 6.0459e-02, 9.4529e-01],  
[5.0880e-01, 1.4954e-04, 4.7245e-02],  
[2.0448e+00, 2.9386e-04, 1.2780e-01],  
[4.8090e-02, 1.2738e-06, 6.8063e-03],  
[4.1554e-01, 1.7660e-05, 4.6650e-02],  
[3.1867e-01, 1.0311e-05, 3.2959e-02],  
[1.6969e+01, 1.6628e-02, 1.0003e+00],  
[2.7821e-01, 2.4416e-05, 3.3222e-02],  
[4.9245e+01, 6.9028e-02, 2.1169e+00],  
[1.3196e-01, 4.3111e-06, 1.4588e-02],  
[3.2583e+02, 1.1274e+01, 5.0151e+00],  
[1.8415e+01, 2.4118e-02, 1.3056e+00],  
[1.1093e+02, 2.9073e+00, 3.4769e+00],  
[1.1462e+01, 5.8791e-02, 6.6316e-01],  
[3.1157e-01, 1.6848e-05, 3.9571e-02],  
[2.3931e-02, 1.8682e-07, 3.6523e-03],  
[1.3935e+00, 7.0481e-05, 9.0537e-02],  
[6.3123e+01, 4.8569e-01, 1.2663e+00],  
[3.6052e+00, 4.9321e-03, 3.7176e-01],  
[7.6568e-01, 1.9722e-04, 7.8614e-02],  
[5.7310e+01, 8.7875e-01, 2.4835e+00],  
[1.6723e+02, 4.4177e+00, 4.6311e+00],  
[1.4850e-01, 1.9388e-06, 1.5636e-02],  
[1.9137e+00, 6.3114e-04, 1.8531e-01],  
[1.7545e+00, 1.0429e-03, 2.0113e-01],  
[1.4171e+00, 1.1936e-03, 1.3387e-01],  
[2.2464e+01, 9.8690e-02, 1.5831e+00],  
[7.9296e+01, 1.0622e-01, 2.5073e+00],  
[3.3144e-03, 3.2159e-09, 5.1918e-04],  
[2.6143e-01, 3.9649e-05, 2.5260e-02],  
[1.1069e+01, 3.0204e-02, 7.2573e-01],  
[4.8596e+00, 2.0118e-03, 4.4719e-01],  
[1.8910e+02, 2.5445e+00, 3.2394e+00],  
[1.7115e+00, 8.4558e-05, 1.4313e-01],  
[1.0946e+00, 2.3712e-04, 1.1197e-01],  
[1.1047e+01, 2.9585e-02, 4.7182e-01],  
[6.5901e+01, 1.8088e-01, 1.8752e+00],  
[4.9900e-03, 3.1239e-08, 7.8949e-04],  
[2.3973e+00, 5.1150e-04, 2.1099e-01],  
[2.0467e+02, 1.6484e+00, 3.4975e+00],  
[1.5512e+02, 3.4961e+00, 3.3096e+00],  
[2.3787e-02, 8.3596e-07, 3.5022e-03],  
[2.9269e-01, 8.3567e-06, 2.8834e-02],  
[9.3949e+00, 5.3443e-03, 4.2382e-01],  
[1.1716e+01, 1.1930e-02, 6.9017e-01],  
[3.3174e+01, 4.4268e-02, 1.9380e+00],

[7.9581e+01, 5.9224e-01, 3.1358e+00],  
[3.8369e+01, 6.1323e-02, 2.2967e+00],  
[2.7379e+00, 1.3517e-03, 2.1375e-01],  
[6.5223e-02, 2.9742e-06, 1.0004e-02],  
[4.5140e+01, 2.7990e-01, 9.0320e-01],  
[1.7559e+01, 3.4833e-02, 5.8438e-01],  
[5.9498e-01, 9.6545e-05, 4.9584e-02],  
[4.8305e-01, 1.5709e-04, 5.3309e-02],  
[8.3540e+00, 5.0720e-02, 8.5374e-01],  
[4.9566e-02, 2.3609e-06, 6.6199e-03],  
[6.3003e+01, 5.5462e-01, 1.3235e+00],  
[8.3393e+01, 8.9120e-01, 2.3296e+00],  
[2.6718e-02, 8.3482e-07, 4.0548e-03],  
[1.4440e+00, 3.9824e-05, 7.8306e-02],  
[2.1042e-02, 8.0578e-08, 3.0972e-03],  
[2.3440e+00, 3.5037e-04, 1.5405e-01],  
[9.4932e+01, 9.7461e-01, 4.0907e+00],  
[3.1024e+01, 1.2727e-01, 1.2171e+00],  
[2.4601e-01, 8.8692e-06, 2.7614e-02],  
[9.7511e+00, 2.9245e-02, 8.0167e-01],  
[4.2484e+01, 2.8988e-02, 1.9079e+00],  
[5.7552e+01, 1.6977e+00, 3.4593e+00],  
[5.5790e+00, 2.5744e-03, 4.6180e-01],  
[2.8806e+00, 1.1665e-03, 1.7086e-01],  
[4.2963e+01, 7.9322e-01, 1.7491e+00],  
[1.1534e+00, 6.6803e-05, 9.0593e-02],  
[4.6243e+01, 2.3077e-01, 1.2584e+00],  
[1.6637e+02, 3.5572e+00, 3.8528e+00],  
[1.6491e+02, 1.6907e+00, 4.5228e+00],  
[6.7380e+00, 1.3354e-02, 5.6993e-01],  
[4.9796e+01, 7.8145e-01, 1.9845e+00],  
[2.7299e-01, 6.6130e-05, 3.5826e-02],  
[2.1808e-01, 5.3621e-06, 2.2154e-02],  
[1.0933e+01, 6.3550e-02, 6.6516e-01],  
[3.3061e-01, 3.7965e-05, 3.4140e-02],  
[4.3501e-01, 1.7701e-05, 3.3481e-02],  
[4.8271e-01, 1.1893e-04, 5.8790e-02],  
[6.2932e+01, 9.8891e-01, 2.3381e+00],  
[1.5710e+01, 1.6209e-02, 9.0946e-01],  
[1.2376e+00, 3.9276e-04, 1.4189e-01],  
[1.1620e+00, 4.9231e-04, 9.1740e-02],  
[2.6561e+01, 1.6243e-02, 1.3531e+00],  
[3.0611e-01, 1.2927e-05, 3.5064e-02],  
[1.1217e+01, 7.9062e-03, 4.1120e-01],  
[3.3639e+00, 4.6901e-03, 3.1693e-01],  
[1.5623e-01, 3.9118e-06, 2.0897e-02],  
[6.9556e+01, 2.0573e-01, 1.6270e+00],  
[4.7484e-01, 5.9087e-05, 4.2367e-02],

[5.1718e+00, 1.4956e-02, 5.3805e-01],  
[2.3373e+02, 2.4143e+00, 4.0564e+00],  
[2.6128e+00, 1.0532e-03, 3.3665e-01],  
[1.0372e+02, 1.7876e+00, 2.6297e+00],  
[2.8949e+00, 1.2939e-03, 3.0135e-01],  
[2.1990e+01, 8.4320e-02, 7.8917e-01],  
[2.8563e+01, 2.7365e-01, 1.0799e+00],  
[8.1003e+00, 6.5548e-03, 6.2640e-01],  
[2.2909e-01, 5.4684e-07, 2.2195e-02],  
[1.3929e+02, 4.8765e-01, 2.5358e+00],  
[1.0763e+02, 2.0685e-01, 2.8592e+00],  
[1.2325e+01, 1.9648e-02, 1.0401e+00],  
[9.9484e+00, 6.0797e-03, 3.6077e-01],  
[1.3211e+02, 3.5679e+00, 3.3241e+00],  
[3.2750e+01, 3.7591e-01, 1.6509e+00],  
[2.1075e+00, 2.8385e-04, 1.5135e-01],  
[2.1348e+00, 1.9091e-03, 1.7819e-01],  
[1.2979e+00, 8.0170e-04, 1.0360e-01],  
[7.1844e+00, 2.2589e-03, 3.8085e-01],  
[1.2336e+01, 4.7951e-02, 7.4461e-01],  
[5.4649e+01, 1.6508e-01, 1.4534e+00],  
[3.4791e+01, 1.0147e-01, 7.7281e-01],  
[5.5160e-01, 1.9522e-04, 5.6162e-02],  
[5.6352e+00, 7.6588e-03, 3.2036e-01],  
[3.0357e+00, 5.2580e-03, 3.3968e-01],  
[7.9315e+01, 7.2667e-01, 1.7969e+00],  
[1.4172e+00, 7.8567e-04, 1.6840e-01],  
[6.5062e+01, 4.5348e-01, 3.2762e+00],  
[2.7512e+01, 1.4787e-02, 1.3860e+00],  
[1.8437e+01, 8.9737e-02, 9.6504e-01],  
[1.3561e+01, 3.2237e-02, 1.2696e+00],  
[6.4839e+00, 3.0306e-03, 3.1768e-01],  
[1.8457e+01, 7.6380e-02, 9.8667e-01],  
[3.9685e+00, 1.2675e-03, 2.7119e-01],  
[1.6535e+00, 6.1249e-04, 1.7343e-01],  
[1.0592e+02, 1.0268e-01, 2.9926e+00],  
[1.3407e+00, 3.1888e-04, 1.0446e-01],  
[1.8700e+00, 5.4353e-04, 1.4794e-01],  
[7.9396e+01, 1.2809e+00, 3.1956e+00],  
[3.5986e-01, 2.5562e-05, 3.8894e-02],  
[2.2582e+01, 2.1843e-01, 1.7578e+00],  
[2.6157e-02, 6.0005e-08, 3.9200e-03],  
[5.1212e+01, 2.1240e-01, 3.2097e+00],  
[5.1977e+01, 2.5158e-01, 2.0230e+00],  
[1.0160e+02, 7.7287e-01, 3.3206e+00],  
[7.1805e-02, 1.6351e-06, 8.9157e-03],  
[1.3853e+01, 8.5715e-02, 1.1651e+00],  
[1.3247e+02, 2.3286e+00, 2.6911e+00],

[9.7683e+00, 1.1241e-02, 4.2701e-01],  
 [4.3040e+01, 1.1463e-01, 8.7083e-01],  
 [2.4412e+01, 3.0424e-02, 6.9881e-01],  
 [3.1719e-02, 1.5838e-07, 4.7356e-03],  
 [4.9004e+00, 4.6864e-03, 3.4936e-01],  
 [4.3619e-01, 8.9666e-05, 5.6122e-02],  
 [2.1663e+01, 5.3197e-02, 7.8419e-01],  
 [5.4173e-02, 5.5458e-07, 7.8215e-03],  
 [4.5193e+01, 3.2121e-01, 1.4089e+00],  
 [5.3364e+01, 6.2487e-01, 3.0850e+00],  
 [1.9311e+00, 1.1956e-03, 2.0002e-01],  
 [4.9397e+01, 8.6489e-01, 2.3081e+00],  
 [9.3144e+01, 2.3715e+00, 2.5064e+00],  
 [2.0486e+02, 8.4500e+00, 4.4998e+00],  
 [9.4349e+01, 4.9176e-01, 2.5150e+00],  
 [3.5554e+00, 1.1030e-04, 1.7593e-01],  
 [6.5709e-01, 1.6979e-04, 5.9379e-02],  
 [1.3046e+00, 2.2347e-04, 1.2643e-01],  
 [2.3957e+01, 6.6908e-02, 6.9547e-01],  
 [5.6690e+00, 2.0282e-03, 5.8040e-01],  
 [2.7362e+00, 1.0258e-03, 2.4970e-01],  
 [4.7373e+01, 1.4248e-01, 2.6239e+00],  
 [1.4106e+00, 2.7567e-04, 9.3975e-02],  
 [2.6851e+02, 2.4737e+00, 4.8405e+00],  
 [8.4872e+00, 4.6397e-03, 3.2028e-01],  
 [1.1208e-01, 3.8223e-06, 1.2644e-02],  
 [5.2377e-02, 2.2711e-06, 7.5049e-03],  
 [1.2086e+01, 8.6059e-03, 8.4810e-01],  
 [4.1435e+01, 4.9469e-01, 1.8383e+00],  
 [8.3346e-01, 1.9405e-04, 7.0342e-02],  
 [2.1576e+02, 6.0769e-01, 4.2557e+00],  
 [1.6590e-01, 1.4450e-05, 1.9077e-02],  
 [1.4277e+01, 3.9760e-02, 7.9809e-01],  
 [1.8556e+00, 1.2025e-03, 1.7932e-01],  
 [2.6409e+01, 3.9180e-02, 9.2282e-01],  
 [2.9433e+00, 2.9438e-04, 1.6850e-01],  
 [3.1474e+01, 7.0003e-02, 1.2569e+00],  
 [6.6362e+00, 3.3218e-03, 6.9463e-01],  
 [6.4436e-03, 3.6471e-08, 9.9949e-04],  
 [3.3618e+00, 5.6560e-03, 2.9054e-01],  
 [6.6945e-02, 1.5623e-07, 8.5729e-03],  
 [1.5259e+01, 9.1627e-02, 7.8866e-01],  
 [7.1243e+00, 1.1699e-02, 4.3243e-01],  
 [4.3503e+01, 3.8971e-01, 1.4630e+00],  
 [3.4754e+01, 3.0994e-01, 2.3816e+00],  
 [8.0017e-01, 1.2803e-04, 8.1414e-02],  
 [2.1243e+00, 5.4492e-04, 1.2936e-01],  
 [8.2880e-01, 8.0053e-05, 7.0914e-02],

```

[6.4694e-02, 4.5636e-06, 9.2297e-03],
[1.2473e+01, 1.1011e-02, 7.1329e-01],
[2.4698e-01, 1.4753e-05, 2.6040e-02],
[3.1962e+00, 3.8227e-04, 1.6614e-01],
[9.3094e+01, 9.4394e-01, 1.9272e+00],
[1.4358e-01, 9.9217e-06, 1.6504e-02],
[3.7115e+01, 1.6068e-01, 2.0018e+00],
[6.2778e+01, 1.0121e+00, 1.9703e+00],
[1.4679e+00, 1.2685e-03, 1.8306e-01],
[5.4578e+00, 9.6751e-03, 4.5201e-01],
[3.2588e-03, 2.6307e-09, 5.2317e-04],
[7.6427e+00, 1.7562e-02, 4.0885e-01]], dtype=torch.float64)
Iteration: 146
Inputs: tensor([[2.5343e+20, 1.9505e+02, 4.7814e+00, 5.7165e+00],
[9.4936e+18, 2.8406e+01, 1.6457e+01, 2.7065e+00],
[1.2021e+18, 4.6921e+02, 1.3932e+01, 7.2015e+00],
...,
[2.2691e+19, 1.5811e+02, 5.2479e+00, 9.4475e+00],
[1.7459e+20, 2.2987e+02, 1.2645e+01, 2.9407e+00],
[4.0861e+18, 1.5888e+02, 1.8103e+01, 8.6736e+00]], dtype=torch.float64)
Target: tensor([[7.0677e+01, 3.9221e-01, 2.2865e+00],
[7.3742e-03, 2.4747e-08, 1.1840e-03],
[2.3289e-01, 2.1590e-05, 2.2398e-02],
[4.7123e+01, 3.3253e-02, 2.1900e+00],
[1.2894e+00, 7.6099e-05, 1.0460e-01],
[8.0293e+01, 1.0017e+00, 2.3361e+00],
[1.4198e+02, 1.6316e+00, 3.0723e+00],
[1.3940e+02, 1.1331e+00, 2.9735e+00],
[6.2825e+00, 3.8803e-03, 3.0610e-01],
[1.1750e+01, 4.5838e-02, 6.3931e-01],
[1.3053e-01, 8.4998e-06, 1.4714e-02],
[9.0006e+00, 3.9043e-02, 9.5929e-01],
[4.6976e+00, 3.6460e-03, 3.0421e-01],
[4.1149e+01, 2.1718e-01, 1.7691e+00],
[1.4670e+01, 1.0536e-02, 5.2998e-01],
[4.7505e+01, 3.6708e-01, 1.2707e+00],
[2.9144e-01, 4.9644e-06, 2.9632e-02],
[6.1870e-01, 2.8734e-04, 6.9814e-02],
[4.1263e+01, 4.3489e-01, 1.7258e+00],
[9.4734e+00, 1.8796e-02, 7.3395e-01],
[3.0706e-02, 1.4106e-06, 4.2021e-03],
[5.3928e+01, 2.9163e-01, 1.4608e+00],
[5.0293e+01, 3.8266e-01, 1.1370e+00],
[9.8655e+01, 1.7832e+00, 2.5454e+00],
[1.0569e+01, 3.3665e-02, 5.2615e-01],
[2.5645e+00, 8.1430e-04, 1.5738e-01],
[1.4149e+01, 2.8442e-02, 6.5705e-01],
[1.9107e-01, 4.9957e-06, 2.4601e-02],

```

[4.8725e-01, 6.9256e-05, 4.3639e-02],  
[9.2163e+00, 3.3186e-03, 4.9222e-01],  
[5.8581e-02, 1.0515e-06, 8.5186e-03],  
[5.3780e-01, 1.6329e-05, 6.2690e-02],  
[7.5757e-02, 2.0215e-06, 9.3394e-03],  
[6.6232e-01, 1.2869e-04, 6.1165e-02],  
[4.2052e+01, 6.2520e-02, 1.7453e+00],  
[4.3218e+00, 1.4312e-02, 4.9444e-01],  
[6.0039e+00, 7.7469e-03, 4.8114e-01],  
[4.8411e+01, 1.4033e-01, 9.3889e-01],  
[5.3023e+00, 4.9440e-03, 2.4178e-01],  
[1.0291e+02, 3.3564e+00, 3.4687e+00],  
[2.4481e+01, 2.1148e-02, 1.0396e+00],  
[6.8335e+00, 3.9177e-03, 3.3413e-01],  
[4.8165e+01, 4.6729e-01, 1.2513e+00],  
[4.1045e+01, 4.0467e-01, 1.1042e+00],  
[6.1244e-01, 1.7643e-04, 4.8553e-02],  
[4.4668e+00, 6.8813e-03, 3.5987e-01],  
[9.8385e+01, 2.1187e+00, 2.5293e+00],  
[5.2429e-02, 1.0843e-06, 7.0172e-03],  
[2.9936e+00, 7.9233e-04, 1.6993e-01],  
[4.0996e+00, 9.3658e-03, 3.6065e-01],  
[1.0339e+00, 2.2663e-04, 8.8949e-02],  
[5.1541e+01, 3.4016e-01, 1.8036e+00],  
[1.8577e+00, 2.7516e-04, 1.7563e-01],  
[8.0241e+00, 6.6822e-03, 6.1023e-01],  
[6.6256e-01, 1.9507e-04, 6.3937e-02],  
[3.9418e+01, 3.0333e-01, 1.3308e+00],  
[1.5942e+00, 5.4312e-04, 1.3815e-01],  
[8.2872e+00, 2.6818e-03, 4.5136e-01],  
[8.8417e-01, 5.3892e-05, 5.5801e-02],  
[3.0781e-01, 2.9002e-05, 3.9131e-02],  
[4.2465e+00, 7.1576e-03, 2.4832e-01],  
[1.5617e+01, 3.3004e-02, 1.2525e+00],  
[3.8610e+00, 1.4249e-03, 2.8116e-01],  
[3.9103e-01, 5.1341e-05, 3.9628e-02],  
[1.7179e+01, 2.1341e-02, 9.5165e-01],  
[2.7441e-02, 3.1754e-07, 3.8487e-03],  
[1.0882e+02, 6.6606e-01, 2.9797e+00],  
[4.7252e-01, 9.9374e-05, 4.9810e-02],  
[2.9862e-01, 6.8589e-06, 3.6357e-02],  
[8.1521e+01, 1.1929e+00, 1.9162e+00],  
[2.6848e+01, 2.8766e-01, 1.6211e+00],  
[1.6991e+02, 6.4576e-01, 4.0212e+00],  
[3.7983e-01, 5.5677e-05, 4.0602e-02],  
[1.6383e-02, 5.1005e-08, 2.5254e-03],  
[1.2245e+02, 1.4868e+00, 2.1652e+00],  
[5.5977e+00, 6.6293e-03, 3.5333e-01],

[3.3642e+01, 1.3163e-01, 1.2538e+00],  
 [4.1541e+00, 2.1088e-03, 2.1044e-01],  
 [3.3686e+01, 1.6559e-01, 1.5800e+00],  
 [4.0073e+00, 6.0717e-03, 2.3193e-01],  
 [2.0614e+01, 7.2678e-02, 7.5633e-01],  
 [2.5886e-01, 3.2784e-05, 2.6916e-02],  
 [3.0462e-01, 3.7103e-05, 3.2932e-02],  
 [1.0588e+00, 8.4727e-05, 7.2172e-02],  
 [3.1891e-01, 4.0591e-05, 3.1576e-02],  
 [5.5430e-02, 7.1957e-07, 8.2465e-03],  
 [3.0015e+00, 1.3582e-04, 1.7539e-01],  
 [1.4396e+00, 5.4494e-04, 1.3160e-01],  
 [9.1705e+00, 1.1404e-03, 4.4926e-01],  
 [3.7506e-03, 3.1718e-09, 5.8550e-04],  
 [2.8126e+01, 1.8819e-01, 1.2690e+00],  
 [8.5714e+01, 1.0192e+00, 2.8373e+00],  
 [2.3329e-03, 6.9681e-09, 3.7186e-04],  
 [1.4507e+01, 2.2662e-02, 1.3347e+00],  
 [3.7529e+00, 1.0184e-02, 3.9434e-01],  
 [3.3340e+00, 2.3761e-03, 4.4830e-01],  
 [1.0009e+01, 3.1366e-02, 4.9698e-01],  
 [6.9235e+01, 8.0173e-01, 2.5577e+00],  
 [2.4516e+01, 3.4671e-02, 1.8856e+00],  
 [2.8594e+00, 4.1864e-03, 2.4389e-01],  
 [1.8833e+00, 1.2319e-03, 1.7501e-01],  
 [3.6502e+01, 1.5127e-01, 1.6087e+00],  
 [5.9314e+00, 2.8857e-03, 4.0524e-01],  
 [1.3682e-01, 2.5414e-05, 2.0054e-02],  
 [5.1220e-01, 1.5565e-04, 5.3782e-02],  
 [1.9611e+01, 1.1629e-01, 7.2044e-01],  
 [4.3650e+01, 2.7828e-01, 2.5768e+00],  
 [4.6936e+01, 1.5495e-01, 2.0004e+00],  
 [2.2148e-01, 2.5175e-05, 2.2295e-02],  
 [9.8424e-01, 9.4426e-04, 1.1686e-01],  
 [1.4809e+01, 4.4011e-02, 8.3821e-01],  
 [2.5165e-01, 7.8284e-06, 2.5811e-02],  
 [4.2469e+00, 2.3170e-03, 2.2642e-01],  
 [4.7643e+00, 8.9466e-04, 3.4144e-01],  
 [1.7208e+01, 5.3116e-02, 9.7827e-01],  
 [2.0116e+01, 8.1826e-02, 6.8232e-01],  
 [7.2823e-01, 7.8461e-05, 5.9359e-02],  
 [2.0098e+01, 1.0170e-01, 1.4007e+00],  
 [4.1594e+00, 2.7083e-03, 3.2461e-01],  
 [3.5928e+00, 1.0181e-02, 4.4219e-01],  
 [2.6150e+01, 1.2697e-01, 9.6663e-01],  
 [1.2744e+02, 2.0717e+00, 3.5396e+00],  
 [4.4967e+01, 1.9613e-01, 1.7942e+00],  
 [3.6854e+00, 3.8798e-03, 3.0168e-01],



[9.7498e+00, 6.2514e-03, 5.6465e-01],  
[6.2390e+01, 1.1540e+00, 1.8328e+00],  
[8.5873e+01, 1.3460e+00, 3.1789e+00],  
[2.5972e+00, 9.3520e-04, 1.5325e-01],  
[2.6053e+01, 4.6122e-02, 1.0580e+00],  
[4.8050e+00, 1.6488e-03, 4.1326e-01],  
[2.8322e-01, 9.7978e-06, 3.4655e-02],  
[1.0335e-03, 2.2319e-10, 1.6686e-04],  
[4.3979e+00, 8.4888e-04, 3.0944e-01],  
[4.7589e-01, 3.0655e-05, 5.5128e-02],  
[1.9145e+01, 7.3375e-02, 1.0578e+00],  
[2.8898e-02, 1.2413e-06, 4.3557e-03],  
[2.7058e-01, 1.7098e-05, 2.7653e-02],  
[1.2743e+00, 4.3926e-05, 7.7623e-02],  
[2.3594e+01, 1.2559e-01, 1.0794e+00],  
[2.0122e+02, 6.1264e+00, 4.6285e+00],  
[3.3056e+01, 2.5743e-01, 2.1847e+00],  
[4.8449e-02, 2.7104e-06, 6.3659e-03],  
[1.9204e+00, 8.6959e-04, 1.5375e-01],  
[3.5923e+01, 2.0769e-02, 1.9533e+00],  
[1.6943e+01, 4.2996e-02, 6.4740e-01],  
[1.3118e+01, 1.0531e-02, 4.7141e-01],  
[1.2058e+00, 8.2513e-05, 8.1051e-02],  
[5.7026e+00, 3.5509e-02, 5.3238e-01],  
[1.0287e+02, 6.7899e-01, 3.7865e+00],  
[4.3374e-01, 5.3547e-05, 4.7489e-02],  
[5.2471e-01, 1.1562e-04, 4.9624e-02],  
[4.3145e+00, 1.1122e-02, 3.4149e-01],  
[3.3543e-02, 1.5483e-07, 4.8842e-03],  
[4.1531e-02, 1.0025e-06, 5.6581e-03],  
[1.8012e+01, 3.4380e-02, 6.9491e-01],  
[7.4887e+01, 8.6101e-01, 2.9071e+00],  
[3.0487e+00, 4.3103e-03, 2.3912e-01],  
[7.4441e-02, 3.0959e-06, 8.9842e-03],  
[6.5103e+00, 8.1731e-03, 3.4524e-01],  
[8.3728e-01, 7.5682e-05, 5.7999e-02],  
[1.3008e+02, 1.5659e+00, 4.0900e+00],  
[1.2291e+01, 2.9221e-03, 6.3625e-01],  
[5.7159e+01, 4.3568e-01, 1.0806e+00],  
[8.1657e+01, 7.4712e-01, 3.1171e+00],  
[2.4460e+01, 7.3787e-02, 1.2970e+00],  
[4.1501e+00, 1.5703e-03, 4.3060e-01],  
[9.6841e+00, 2.9234e-03, 3.3109e-01],  
[9.9169e+00, 1.5500e-02, 4.3701e-01],  
[1.0440e+00, 6.7158e-05, 1.3740e-01],  
[4.4357e+00, 5.9982e-04, 4.0305e-01],  
[1.6592e+01, 6.8531e-03, 1.0304e+00],  
[9.2624e+00, 1.2193e-03, 8.2382e-01],

[2.1386e-02, 2.4147e-07, 3.1617e-03],  
 [4.5944e+01, 3.9500e-01, 2.0148e+00],  
 [5.9809e+01, 8.6902e-02, 3.1334e+00],  
 [5.8981e-01, 2.8527e-06, 4.2696e-02],  
 [1.4634e-01, 1.5615e-05, 1.9069e-02],  
 [6.4130e-03, 4.6788e-09, 1.0046e-03],  
 [1.8524e+01, 6.7835e-03, 5.6955e-01],  
 [1.7088e+01, 7.0146e-02, 9.3742e-01],  
 [7.5110e+01, 1.1415e+00, 2.4997e+00],  
 [6.7697e+00, 1.2979e-03, 5.4733e-01],  
 [4.6468e+00, 2.5426e-03, 3.7206e-01],  
 [2.0299e+01, 6.5025e-03, 8.3802e-01],  
 [1.4879e+00, 3.7018e-04, 1.7538e-01],  
 [2.7941e-01, 1.2268e-05, 3.6765e-02],  
 [1.4019e-01, 8.7053e-07, 1.7072e-02],  
 [1.3579e+02, 4.7204e+00, 4.0499e+00],  
 [1.1377e+01, 1.2991e-02, 6.9122e-01],  
 [2.9744e+00, 9.7280e-03, 3.4242e-01],  
 [1.9557e+01, 1.6477e-02, 1.6480e+00],  
 [9.8693e-03, 3.5532e-08, 1.4851e-03],  
 [8.2067e+00, 2.8633e-03, 3.9363e-01],  
 [2.0813e+00, 8.6196e-05, 1.8896e-01],  
 [1.4353e+01, 9.8086e-02, 9.3704e-01],  
 [3.0885e+00, 1.4263e-03, 2.3942e-01],  
 [4.8569e+01, 5.0451e-01, 1.5072e+00],  
 [1.7119e+01, 1.8399e-03, 5.5748e-01],  
 [1.4236e+00, 4.0774e-04, 1.5780e-01],  
 [5.4487e+01, 4.1955e-01, 1.4277e+00],  
 [9.0004e+00, 2.8039e-02, 8.5236e-01],  
 [1.0941e+01, 7.8499e-03, 1.0387e+00],  
 [3.8287e+01, 3.3179e-01, 1.3591e+00],  
 [9.9890e-02, 3.7316e-07, 1.2954e-02],  
 [3.2871e-01, 2.6035e-05, 2.8494e-02],  
 [6.4401e-01, 8.8443e-05, 6.1988e-02],  
 [4.0062e+00, 2.9559e-03, 2.7514e-01],  
 [2.5780e+02, 4.4183e+00, 4.7313e+00],  
 [1.0111e+00, 3.7602e-04, 1.2092e-01],  
 [5.1694e+00, 4.3180e-03, 2.8313e-01],  
 [5.5881e+01, 4.9640e-01, 2.9933e+00],  
 [2.0319e-01, 3.4599e-05, 2.6426e-02],  
 [3.7472e-01, 1.0792e-05, 2.9388e-02],  
 [9.6029e+01, 6.0057e-01, 2.9624e+00],  
 [2.4218e-01, 3.0104e-05, 2.9693e-02],  
 [2.2016e-02, 3.2052e-07, 3.1687e-03],  
 [3.1347e+01, 2.8619e-01, 1.3982e+00],  
 [1.7775e+02, 7.4630e+00, 4.7419e+00],  
 [2.9983e-02, 3.2788e-07, 4.1945e-03],  
 [9.5058e-01, 1.5671e-04, 1.0095e-01],

[3.0778e-01, 3.4790e-05, 2.6917e-02],  
[1.2680e-03, 1.5353e-09, 2.0565e-04],  
[1.1942e+01, 7.8335e-03, 4.6060e-01],  
[2.4753e-01, 2.5884e-05, 2.2353e-02],  
[5.7711e-02, 4.3900e-06, 8.6513e-03],  
[2.3139e+00, 5.0776e-04, 1.7143e-01],  
[1.1812e+02, 9.1627e-01, 2.7884e+00],  
[5.7720e-02, 9.7356e-07, 7.3468e-03],  
[1.1493e+00, 9.9977e-05, 1.3109e-01],  
[1.5629e+01, 1.3779e-01, 1.0747e+00],  
[3.8116e+01, 2.3409e-01, 2.3364e+00],  
[2.6873e+01, 9.4816e-02, 7.0201e-01],  
[3.0044e+01, 2.3667e-01, 1.3153e+00],  
[2.9042e+01, 1.8502e-02, 2.0857e+00],  
[2.0454e+01, 1.2659e-01, 1.0303e+00],  
[9.0737e-01, 1.5646e-04, 6.1802e-02],  
[1.9049e-01, 3.0601e-05, 2.3130e-02],  
[1.0785e+00, 6.6301e-04, 9.6470e-02],  
[1.1185e+02, 1.0970e+00, 3.5553e+00],  
[1.7955e-01, 8.2633e-06, 2.0743e-02],  
[5.7539e-01, 1.4555e-04, 6.3948e-02],  
[1.9396e+01, 2.7357e-02, 6.0952e-01],  
[4.9903e+01, 5.8876e-01, 1.5263e+00],  
[7.6726e+00, 9.5029e-03, 5.1937e-01],  
[1.8422e+00, 9.3446e-04, 2.4383e-01],  
[2.0750e+01, 5.6399e-02, 8.6262e-01],  
[5.7082e-02, 1.2683e-06, 7.5489e-03],  
[5.1675e-01, 6.1539e-04, 7.2182e-02],  
[1.4266e+00, 2.3388e-04, 8.7828e-02],  
[3.5014e-01, 3.0634e-05, 2.9420e-02],  
[1.3302e+02, 1.0315e+00, 3.4171e+00],  
[2.1603e+00, 4.8009e-04, 1.0826e-01],  
[1.4987e+02, 1.5385e+00, 2.5241e+00],  
[1.4682e+00, 2.2908e-04, 1.2822e-01],  
[9.2855e-01, 1.6870e-04, 1.0507e-01],  
[1.7110e+00, 3.6725e-04, 1.0533e-01],  
[6.9808e+01, 2.7097e-01, 1.8965e+00],  
[1.6579e+02, 7.8396e+00, 4.2348e+00],  
[1.1681e-01, 5.1443e-06, 1.3131e-02],  
[2.6887e-01, 1.1428e-05, 3.9056e-02],  
[2.1997e+00, 8.7287e-04, 2.3159e-01],  
[1.7261e-03, 2.8984e-09, 2.7676e-04],  
[1.3565e+01, 3.1338e-02, 1.3493e+00],  
[1.0213e+01, 1.8656e-02, 5.2794e-01],  
[3.9118e-01, 2.9971e-05, 4.5990e-02],  
[6.0590e+01, 2.2758e-01, 2.9125e+00],  
[7.5536e+01, 8.2616e-02, 2.6854e+00],  
[2.1714e+02, 2.3518e+00, 3.8232e+00],

[2.7186e-01, 1.3593e-05, 3.5926e-02],  
[1.0507e+00, 1.5691e-04, 5.5855e-02],  
[2.3866e+00, 1.2592e-04, 1.0757e-01],  
[1.4245e+02, 8.9847e-01, 3.2076e+00],  
[2.1041e+00, 6.0470e-04, 1.9447e-01],  
[8.7297e-02, 2.5361e-06, 1.1534e-02],  
[2.8883e+01, 2.4576e-01, 1.1843e+00],  
[4.2945e-01, 9.1039e-05, 4.1180e-02],  
[1.2434e-02, 4.2143e-08, 1.9194e-03],  
[3.1124e-03, 1.9088e-09, 4.9072e-04],  
[1.3359e+01, 1.8673e-02, 7.7315e-01],  
[4.2811e+01, 3.0612e-01, 1.3343e+00],  
[1.8180e+01, 1.1122e-01, 7.3092e-01],  
[1.0769e+02, 9.3838e-01, 3.7995e+00],  
[5.8281e-01, 8.9483e-05, 7.0616e-02],  
[2.4724e+01, 1.2920e-01, 8.6641e-01],  
[8.9974e+00, 1.3062e-02, 4.4713e-01],  
[4.9738e-01, 2.4614e-05, 3.4410e-02],  
[1.1336e+00, 6.0380e-04, 1.1206e-01],  
[1.1629e-01, 9.1631e-06, 1.6365e-02],  
[3.4076e+01, 5.8607e-02, 1.6857e+00],  
[8.7081e-02, 4.0394e-06, 1.3191e-02],  
[5.5707e+00, 2.2385e-02, 5.7012e-01],  
[3.6202e-01, 7.5055e-05, 3.6897e-02],  
[5.2910e+00, 3.6804e-03, 3.2282e-01],  
[1.0036e+01, 1.7311e-02, 6.6686e-01],  
[6.7449e+00, 5.7925e-03, 6.8334e-01],  
[2.7050e-02, 3.5853e-07, 4.0166e-03],  
[1.0162e+00, 5.0778e-05, 9.5611e-02],  
[4.7561e-02, 2.1562e-07, 6.5694e-03],  
[1.4150e+00, 6.1682e-04, 1.1595e-01],  
[4.4550e+01, 6.2688e-01, 2.7053e+00],  
[1.7480e+00, 6.1815e-04, 2.2507e-01],  
[1.5276e+01, 3.4808e-02, 1.2529e+00],  
[1.4083e+00, 5.6091e-04, 1.2246e-01],  
[5.7336e+00, 2.1020e-02, 6.1264e-01],  
[8.3457e-02, 4.9110e-06, 1.0245e-02],  
[3.5299e+01, 2.2046e-02, 2.7076e+00],  
[1.5635e-01, 3.8873e-06, 1.9079e-02],  
[2.9944e+01, 1.3739e-01, 8.6402e-01],  
[3.6788e+00, 7.5837e-03, 3.8766e-01],  
[1.6209e+01, 1.0827e-01, 6.9727e-01],  
[7.6317e-03, 4.6291e-08, 1.1817e-03],  
[1.1833e+02, 3.9794e-01, 2.7569e+00],  
[4.9211e+01, 2.0271e-01, 2.2543e+00],  
[1.0197e+02, 3.3558e+00, 3.6897e+00],  
[1.0328e+01, 2.9573e-02, 5.2338e-01],  
[2.8885e+01, 1.5282e-02, 1.0257e+00],

```

[6.1794e+01, 3.2159e-01, 2.4306e+00],
[7.7348e+00, 1.4831e-02, 4.3533e-01],
[2.4251e+01, 5.6409e-02, 1.4206e+00],
[2.4433e-01, 5.6518e-05, 2.9574e-02]], dtype=torch.float64)
Iteration: 147
Inputs: tensor([[1.9660e+20, 1.7182e+02, 9.1524e+00, 3.9145e+00],
[1.4398e+20, 4.2885e+02, 1.9245e+01, 7.4074e+00],
[6.2393e+19, 3.7821e+01, 1.9719e+01, 5.1014e+00],
...,
[3.8945e+18, 1.5822e+02, 1.5753e+01, 6.7420e+00],
[4.9761e+20, 4.4496e+02, 3.5179e+00, 7.3505e+00],
[1.7580e+18, 8.3312e+01, 1.8600e+01, 7.2038e+00]], dtype=torch.float64)
Target: tensor([[3.1620e+01, 9.5246e-02, 1.6453e+00],
[5.2000e+01, 7.0445e-01, 1.6747e+00],
[6.4988e-01, 4.5679e-04, 8.8628e-02],
[3.0844e+00, 8.6317e-03, 3.2633e-01],
[1.8416e+00, 2.4033e-03, 1.7012e-01],
[6.0404e+00, 4.8910e-03, 2.9440e-01],
[4.8757e-01, 1.7119e-04, 4.4654e-02],
[2.1156e+01, 5.6777e-02, 7.3075e-01],
[8.2068e+01, 4.7543e-01, 1.4514e+00],
[1.8747e+01, 5.1030e-02, 1.2428e+00],
[9.6120e+00, 3.1906e-03, 8.0969e-01],
[2.3282e+02, 9.0793e+00, 4.2683e+00],
[6.9651e+00, 1.2640e-02, 3.7196e-01],
[3.7698e+00, 6.8631e-03, 2.4460e-01],
[4.1135e-03, 8.2338e-09, 6.4782e-04],
[8.6125e-03, 1.5492e-08, 1.3201e-03],
[2.6459e+01, 8.3772e-02, 8.6053e-01],
[1.3073e+01, 1.3125e-02, 5.6750e-01],
[1.2254e+01, 3.8548e-02, 5.0716e-01],
[8.4683e+00, 1.1821e-02, 4.3979e-01],
[1.1883e+02, 2.9664e+00, 4.3375e+00],
[2.4569e+00, 2.0613e-03, 1.5553e-01],
[1.1578e+02, 1.3887e+00, 3.2274e+00],
[2.1141e-01, 1.5006e-05, 2.3321e-02],
[1.8164e+00, 1.0236e-03, 1.3918e-01],
[1.5592e+01, 2.5703e-02, 6.4360e-01],
[9.3630e+00, 2.7004e-02, 5.3214e-01],
[1.7655e-01, 1.1999e-05, 2.3258e-02],
[8.7650e-02, 3.7695e-07, 1.0283e-02],
[1.0600e-01, 8.0565e-06, 1.2368e-02],
[9.4220e-02, 8.0052e-07, 1.1995e-02],
[1.7555e+01, 2.3047e-02, 1.0279e+00],
[1.7744e+01, 1.3563e-01, 1.3572e+00],
[1.2320e+02, 3.0485e+00, 3.3292e+00],
[3.2771e-01, 7.7717e-05, 3.8373e-02],
[3.2936e+00, 5.6374e-03, 2.2235e-01],

```

[3.4902e+01, 1.4398e-01, 9.7397e-01],  
[1.4273e+02, 3.7576e+00, 3.9797e+00],  
[1.0621e+00, 3.8149e-04, 1.3109e-01],  
[4.5506e+01, 5.0740e-01, 1.5880e+00],  
[6.7499e-02, 5.4180e-06, 8.7161e-03],  
[1.2734e-01, 2.5861e-06, 1.4058e-02],  
[8.6990e+01, 5.6247e-01, 1.9660e+00],  
[3.5860e+01, 4.8456e-01, 1.4263e+00],  
[3.1649e+00, 1.1750e-03, 2.9615e-01],  
[6.5641e+01, 9.2655e-01, 1.7219e+00],  
[1.9155e-01, 2.0241e-05, 2.0735e-02],  
[1.2294e+01, 1.3960e-02, 7.5059e-01],  
[1.4631e+02, 1.2596e+00, 3.9778e+00],  
[8.6187e+00, 3.1919e-02, 6.7008e-01],  
[3.7956e-02, 6.7789e-07, 5.5401e-03],  
[4.2239e-01, 7.9277e-05, 4.3817e-02],  
[7.9488e-03, 5.1739e-08, 1.2054e-03],  
[3.9241e-02, 1.0682e-06, 5.4889e-03],  
[2.4886e+01, 4.3015e-02, 7.4034e-01],  
[2.7537e+01, 1.1024e-01, 1.0967e+00],  
[2.5844e-01, 7.6537e-05, 3.5798e-02],  
[1.0705e+01, 1.4407e-02, 6.9027e-01],  
[1.5027e+00, 6.0741e-04, 1.0055e-01],  
[1.7974e+00, 1.9683e-03, 2.0919e-01],  
[3.9853e+01, 1.4979e-01, 2.6149e+00],  
[4.6533e-02, 1.0084e-07, 6.6520e-03],  
[1.5653e-01, 1.0982e-06, 1.9715e-02],  
[2.0858e+02, 3.9561e+00, 4.3741e+00],  
[8.8727e+00, 6.9997e-03, 6.7876e-01],  
[6.4729e-01, 5.7937e-05, 5.4440e-02],  
[3.1649e+00, 1.5531e-03, 2.7159e-01],  
[6.3523e+01, 1.3159e+00, 1.9587e+00],  
[9.0800e+00, 3.2762e-03, 5.9613e-01],  
[7.9391e+01, 5.0919e-01, 1.8593e+00],  
[1.0330e+00, 1.3260e-04, 1.0246e-01],  
[1.3206e+01, 7.2028e-03, 5.2464e-01],  
[4.4759e+00, 4.0213e-03, 2.5421e-01],  
[9.9107e-01, 2.3111e-04, 9.6408e-02],  
[3.1834e+01, 5.3164e-02, 1.5487e+00],  
[2.1736e-01, 1.0612e-05, 2.8739e-02],  
[4.0156e-01, 5.9018e-05, 4.1145e-02],  
[1.0495e+01, 5.8979e-03, 5.8602e-01],  
[7.0574e-02, 6.7447e-06, 9.7674e-03],  
[2.6305e+00, 6.2593e-04, 2.4758e-01],  
[6.3577e-01, 1.4763e-04, 5.0940e-02],  
[2.4478e+00, 6.4715e-04, 1.6556e-01],  
[5.4831e+01, 1.9840e-01, 2.2455e+00],  
[1.4793e+02, 1.8904e+00, 4.2452e+00],

[1.1314e+02, 8.9215e-01, 2.4235e+00],  
[1.4843e+00, 6.4605e-05, 1.2662e-01],  
[1.0515e+00, 1.2709e-04, 7.4843e-02],  
[3.5574e-01, 2.1599e-05, 3.8976e-02],  
[1.0968e-01, 3.0321e-06, 1.4980e-02],  
[1.1248e+02, 5.0650e-01, 2.8228e+00],  
[1.3056e-01, 1.3498e-06, 1.4727e-02],  
[6.6729e+00, 1.2819e-02, 4.4916e-01],  
[2.8581e+00, 3.6896e-03, 2.9697e-01],  
[2.1344e+00, 6.9342e-04, 1.7117e-01],  
[6.9669e+01, 9.1064e-02, 3.2110e+00],  
[5.6583e+01, 7.3340e-01, 1.9754e+00],  
[8.8205e-01, 1.9088e-04, 1.2132e-01],  
[3.5177e-01, 8.8702e-05, 4.1149e-02],  
[3.5745e+00, 4.7382e-03, 2.0284e-01],  
[5.3950e+00, 1.9779e-03, 2.7700e-01],  
[1.5951e+02, 1.7528e-01, 4.3517e+00],  
[3.0912e+00, 9.5382e-04, 3.1792e-01],  
[5.2965e+01, 6.1746e-01, 1.2569e+00],  
[9.0752e+00, 8.2934e-03, 4.3632e-01],  
[6.0836e+00, 1.4796e-03, 4.9345e-01],  
[1.4489e+01, 4.8615e-02, 8.8806e-01],  
[1.2496e-02, 1.1925e-07, 1.9423e-03],  
[1.2854e+01, 5.0084e-02, 5.4204e-01],  
[6.0230e-01, 1.8229e-04, 6.5809e-02],  
[2.3984e+01, 6.1113e-02, 1.1291e+00],  
[6.8867e-01, 1.0549e-04, 6.8030e-02],  
[1.4363e-01, 1.4977e-06, 1.5912e-02],  
[6.4201e-01, 3.4786e-05, 7.4935e-02],  
[4.5994e+01, 2.0972e-01, 1.0729e+00],  
[6.4599e-03, 5.7421e-09, 9.9197e-04],  
[2.1527e+02, 4.6849e-01, 4.8220e+00],  
[1.0240e+02, 9.4187e-01, 3.6733e+00],  
[8.0525e+01, 5.5006e-01, 2.2015e+00],  
[6.5185e+00, 4.3916e-03, 3.3339e-01],  
[4.3352e-03, 5.0327e-09, 6.7441e-04],  
[1.3228e+00, 1.4161e-04, 1.1235e-01],  
[1.8536e+01, 8.8895e-02, 1.4863e+00],  
[5.7903e+01, 1.0508e+00, 1.7035e+00],  
[1.2420e+00, 3.3229e-05, 1.0872e-01],  
[1.4839e+00, 3.7095e-04, 1.2070e-01],  
[2.2878e+01, 5.3623e-02, 8.3588e-01],  
[4.9452e+01, 3.8465e-01, 1.6549e+00],  
[1.0704e-01, 6.1228e-06, 1.4525e-02],  
[1.3342e-02, 5.6088e-08, 2.0558e-03],  
[1.0725e+00, 2.9476e-05, 9.5740e-02],  
[4.5347e-02, 4.6324e-07, 6.8282e-03],  
[1.7845e-01, 1.5478e-05, 1.8079e-02],

[4.3032e+00, 4.2834e-03, 2.6637e-01],  
[1.1263e+00, 1.3053e-04, 8.0894e-02],  
[1.1722e+02, 1.5203e+00, 2.3894e+00],  
[1.9225e+01, 1.0237e-02, 1.0597e+00],  
[2.5099e-01, 8.4890e-07, 2.2541e-02],  
[3.7091e-02, 1.9477e-07, 5.1834e-03],  
[9.0699e-01, 4.6714e-04, 7.7025e-02],  
[4.8069e-01, 2.1405e-04, 5.3873e-02],  
[6.1995e+01, 2.2611e-01, 1.6213e+00],  
[3.4991e-03, 3.5610e-09, 5.6625e-04],  
[4.5769e+01, 3.9734e-02, 2.3592e+00],  
[6.8444e+00, 2.3078e-02, 4.6859e-01],  
[1.1783e+02, 1.7975e+00, 2.4545e+00],  
[1.5286e+01, 4.1382e-02, 7.1397e-01],  
[6.2511e-03, 1.2081e-08, 1.0175e-03],  
[6.8793e+01, 1.1848e-01, 1.5586e+00],  
[6.5894e+01, 9.8343e-01, 2.3000e+00],  
[1.8819e-01, 2.0644e-05, 1.9635e-02],  
[1.8125e-01, 8.9682e-06, 2.1682e-02],  
[2.6871e+00, 1.0255e-03, 1.4346e-01],  
[1.2803e+01, 6.7628e-03, 5.4484e-01],  
[9.0630e+01, 5.6050e-01, 2.3579e+00],  
[3.0546e+00, 1.0312e-03, 2.6817e-01],  
[5.7023e+01, 5.4514e-01, 1.7556e+00],  
[1.8195e+01, 9.6744e-02, 8.4035e-01],  
[4.7719e+00, 8.6993e-03, 2.5867e-01],  
[1.7334e-01, 1.1433e-06, 1.8924e-02],  
[7.6099e+01, 3.2791e-01, 1.5883e+00],  
[8.8135e+00, 4.3953e-02, 6.6840e-01],  
[3.1052e+02, 1.0704e+01, 4.7445e+00],  
[7.1837e+01, 4.2732e-01, 1.3556e+00],  
[1.1421e+00, 2.7903e-04, 9.1009e-02],  
[5.8386e+01, 3.0893e-01, 2.5588e+00],  
[1.9315e-01, 3.2778e-05, 2.5262e-02],  
[6.3648e-01, 1.1234e-04, 4.8856e-02],  
[8.6344e+00, 2.0079e-03, 4.1996e-01],  
[1.8030e+02, 5.9934e+00, 4.6018e+00],  
[2.3224e-01, 1.4246e-05, 2.2366e-02],  
[9.0743e-01, 1.0648e-04, 6.0586e-02],  
[1.1152e+01, 2.4267e-02, 6.6508e-01],  
[5.4686e+01, 8.7379e-01, 1.4833e+00],  
[1.1147e+01, 4.2984e-02, 5.6697e-01],  
[4.0946e+00, 8.8496e-03, 4.3649e-01],  
[4.9714e+01, 1.5773e-01, 2.9734e+00],  
[3.8539e-01, 2.5986e-05, 3.0093e-02],  
[1.0060e-01, 3.5341e-06, 1.2796e-02],  
[1.3409e+00, 3.8522e-04, 9.5761e-02],  
[8.4676e+01, 1.3557e+00, 3.0175e+00],



[3.1355e+01, 1.1696e-01, 1.5326e+00],  
 [3.7192e+01, 2.0011e-01, 1.2566e+00],  
 [6.5405e+01, 9.5940e-01, 2.0435e+00],  
 [2.1230e+00, 1.0016e-03, 2.1943e-01],  
 [3.3601e-01, 1.3049e-04, 4.2618e-02],  
 [6.0617e-03, 3.0746e-08, 9.4569e-04],  
 [5.1271e+01, 4.5535e-01, 2.4885e+00],  
 [3.1622e+00, 5.0251e-03, 2.6881e-01],  
 [2.3160e+02, 3.0008e+00, 4.8774e+00],  
 [3.6937e+00, 3.9304e-03, 2.2009e-01],  
 [5.5541e-02, 7.8161e-07, 7.4561e-03],  
 [2.3422e+02, 5.9644e-01, 4.9782e+00],  
 [7.8818e+00, 4.5055e-03, 3.8888e-01],  
 [2.1236e+00, 2.5913e-03, 1.9612e-01],  
 [1.1564e+02, 1.6115e+00, 3.2064e+00],  
 [3.4680e+00, 1.5537e-03, 1.8706e-01],  
 [1.5205e+01, 1.8932e-02, 1.1578e+00],  
 [2.2899e-01, 4.2101e-05, 2.8633e-02],  
 [5.4316e+00, 5.1377e-03, 3.6079e-01],  
 [2.6287e+01, 1.4379e-01, 1.2905e+00],  
 [1.8013e+02, 1.2065e+00, 3.0319e+00],  
 [1.1220e+00, 3.9728e-04, 1.1307e-01],  
 [6.4504e-01, 9.7152e-05, 6.7961e-02],  
 [2.9706e+00, 3.3130e-03, 2.7847e-01],  
 [1.2406e-01, 2.7685e-06, 1.5536e-02],  
 [1.5295e+00, 4.5598e-04, 9.3159e-02],  
 [8.1172e-02, 5.7974e-07, 1.0379e-02],  
 [2.6047e-03, 2.4162e-09, 4.2432e-04],  
 [3.8521e+01, 2.5725e-01, 1.4376e+00],  
 [6.7230e-02, 7.2769e-07, 8.7245e-03],  
 [3.2541e+00, 1.1746e-03, 2.7532e-01],  
 [6.1774e-01, 6.3674e-05, 7.8798e-02],  
 [6.2181e+00, 4.7727e-04, 3.5257e-01],  
 [3.4503e+00, 5.1613e-04, 1.4416e-01],  
 [1.2508e+01, 1.1523e-02, 5.3135e-01],  
 [7.1961e+01, 3.6190e-01, 3.2285e+00],  
 [1.3072e+01, 4.6607e-02, 5.2222e-01],  
 [4.8533e+01, 7.5519e-02, 1.5292e+00],  
 [7.9339e-01, 5.3490e-05, 5.1169e-02],  
 [3.8707e-02, 3.6408e-07, 5.4801e-03],  
 [1.0696e+02, 2.3447e+00, 3.0700e+00],  
 [3.7584e+00, 7.3762e-03, 4.3194e-01],  
 [2.3878e+01, 3.3507e-02, 1.3723e+00],  
 [1.8663e-01, 1.3001e-06, 2.3278e-02],  
 [6.5266e+00, 4.1002e-03, 4.3517e-01],  
 [9.3769e+00, 8.2350e-03, 6.0084e-01],  
 [1.6630e+01, 3.7528e-02, 7.6864e-01],  
 [1.0551e+00, 4.4639e-04, 1.0577e-01],

[8.7429e-04, 1.4719e-09, 1.4125e-04],  
 [4.7246e-02, 1.9017e-06, 6.1781e-03],  
 [1.6175e+00, 5.1323e-04, 1.1517e-01],  
 [5.7686e+01, 4.5185e-01, 3.0249e+00],  
 [1.0558e-02, 2.0420e-07, 1.6208e-03],  
 [4.4361e-01, 3.0115e-05, 3.4440e-02],  
 [1.0362e+02, 9.5235e-01, 4.2498e+00],  
 [5.6998e+00, 5.9721e-04, 2.2623e-01],  
 [1.6078e+01, 4.5858e-02, 1.0441e+00],  
 [6.5586e+01, 7.4036e-01, 1.5089e+00],  
 [7.7687e-02, 3.3537e-06, 1.0794e-02],  
 [2.5711e+01, 2.3235e-02, 1.4572e+00],  
 [1.5004e+01, 6.7777e-02, 1.1390e+00],  
 [5.3383e+01, 1.1353e+00, 2.3862e+00],  
 [8.0851e+00, 6.5548e-03, 5.2606e-01],  
 [3.7678e+00, 3.9710e-03, 2.3433e-01],  
 [1.4261e+02, 9.4564e-01, 2.9264e+00],  
 [4.8136e+01, 3.5968e-01, 1.2789e+00],  
 [8.8581e-02, 1.2658e-06, 1.3256e-02],  
 [1.0269e+00, 7.4852e-06, 6.6936e-02],  
 [1.6350e+00, 1.9818e-04, 1.3838e-01],  
 [2.5527e-03, 5.8581e-09, 4.0700e-04],  
 [8.1631e+00, 1.0426e-02, 9.5523e-01],  
 [2.1556e+01, 8.7110e-02, 1.5746e+00],  
 [1.0618e+01, 7.2452e-02, 7.2236e-01],  
 [1.3744e+01, 2.0231e-02, 7.7409e-01],  
 [2.5374e-01, 8.4635e-05, 3.3347e-02],  
 [3.4733e+01, 1.8779e-01, 1.4975e+00],  
 [4.1946e-02, 2.7539e-07, 5.7628e-03],  
 [6.5003e+01, 1.3530e+00, 2.7492e+00],  
 [1.7697e-01, 3.0833e-05, 2.4837e-02],  
 [4.7244e+01, 7.7040e-01, 2.7304e+00],  
 [1.4442e+02, 1.3294e+00, 4.2804e+00],  
 [2.6532e+00, 1.9472e-03, 2.3252e-01],  
 [4.3820e-01, 3.8804e-06, 4.6960e-02],  
 [8.5698e+00, 2.2857e-02, 4.9303e-01],  
 [7.2202e+00, 9.1889e-03, 5.1721e-01],  
 [5.1104e-01, 3.9994e-06, 4.4034e-02],  
 [1.8483e+00, 7.6598e-04, 1.7669e-01],  
 [5.5109e+01, 2.9117e-01, 1.8335e+00],  
 [1.1509e+01, 6.0443e-02, 7.1559e-01],  
 [1.0149e+00, 1.6944e-04, 9.5840e-02],  
 [4.6426e+01, 1.1895e-01, 1.3948e+00],  
 [2.5285e+00, 3.9217e-03, 2.6263e-01],  
 [7.1050e-01, 2.3856e-04, 8.6595e-02],  
 [7.1529e-01, 3.6545e-05, 7.0504e-02],  
 [4.6911e-01, 6.6683e-05, 4.0905e-02],  
 [1.5306e+02, 2.2951e+00, 2.5872e+00],

```

[1.6867e+02, 6.8363e+00, 4.1463e+00],
[1.2755e+00, 1.0427e-03, 1.2650e-01],
[2.4583e+01, 5.9526e-02, 1.2964e+00],
[2.6741e+01, 4.9890e-02, 1.8582e+00],
[6.8280e+00, 9.2171e-03, 3.3779e-01],
[2.1721e-01, 1.1381e-05, 3.0412e-02],
[1.3776e+00, 7.0236e-04, 1.3901e-01],
[3.6160e+01, 6.8116e-02, 2.1795e+00],
[2.2913e+01, 5.9629e-02, 1.2296e+00],
[1.4110e+00, 1.0557e-04, 9.3438e-02],
[2.1202e+01, 5.8103e-02, 7.1118e-01],
[1.4034e+02, 1.7676e+00, 2.6687e+00],
[1.5910e+01, 1.5330e-02, 9.6110e-01],
[2.9610e+01, 6.5425e-02, 2.4089e+00],
[8.9552e+01, 6.1554e-02, 2.6451e+00],
[9.0684e+01, 2.8209e+00, 2.6246e+00],
[1.6502e+02, 4.5070e+00, 3.7678e+00],
[3.8402e+00, 1.0131e-03, 2.0067e-01],
[1.9326e+01, 9.6098e-02, 9.0314e-01],
[9.1183e+00, 3.7300e-02, 6.4316e-01],
[5.2371e-02, 2.8167e-07, 6.8869e-03],
[1.2935e-01, 1.6482e-05, 1.7062e-02],
[1.2915e+02, 8.5248e-01, 3.0524e+00],
[5.7065e-01, 4.1136e-05, 3.9797e-02],
[1.1081e+02, 9.5828e-01, 2.9440e+00],
[7.4728e+00, 1.2741e-03, 4.0817e-01],
[1.3973e+00, 4.4082e-05, 1.0324e-01],
[3.7565e+00, 1.3603e-03, 2.7015e-01],
[1.2856e+01, 1.1898e-02, 1.1501e+00],
[2.6697e+01, 3.3296e-02, 1.3232e+00],
[1.4475e+01, 2.5611e-02, 7.5975e-01],
[9.8522e+00, 5.2891e-03, 8.3073e-01],
[5.8562e+01, 2.0780e-01, 1.1557e+00],
[4.1629e+01, 5.8202e-02, 1.3593e+00],
[3.7058e+01, 1.8451e-01, 1.2556e+00],
[1.2885e-02, 9.6514e-08, 1.9901e-03],
[1.8900e+00, 7.9180e-04, 2.4581e-01],
[5.8940e+00, 9.4445e-03, 4.2571e-01],
[1.2007e+02, 1.8312e+00, 3.7877e+00],
[5.7220e+01, 3.3228e-01, 2.1948e+00],
[1.4311e+00, 9.5398e-04, 1.0390e-01],
[1.9511e-01, 2.4951e-05, 2.4352e-02],
[2.1326e+02, 3.8138e+00, 3.5840e+00],
[1.2790e-02, 2.0042e-07, 1.9329e-03]], dtype=torch.float64)

```

Iteration: 148

```

Inputs: tensor([[1.7760e+18, 3.5520e+02, 1.2868e+01, 6.8691e+00],
                [2.0991e+19, 2.2928e+02, 6.1088e+00, 9.5998e+00],
                [9.2953e+19, 2.5766e+02, 6.5468e+00, 8.9587e+00],

```

```

...,
[2.7197e+19, 2.8413e+02, 1.5803e+00, 4.9889e+00],
[4.4604e+18, 9.7536e+01, 7.3150e+00, 9.1224e+00],
[7.2857e+19, 2.2712e+02, 1.2294e+01, 6.9248e+00]], dtype=torch.float64)
Target: tensor([[2.8505e-01, 3.0716e-05, 2.8584e-02],
[9.7477e+00, 2.1277e-02, 4.6005e-01],
[4.3871e+01, 3.5849e-01, 1.3254e+00],
[1.1813e+01, 3.3969e-02, 7.6302e-01],
[8.2912e-01, 5.2157e-04, 1.0744e-01],
[5.4107e+01, 5.7232e-01, 2.6460e+00],
[1.1051e+00, 6.1624e-04, 8.8328e-02],
[1.4839e-01, 1.6468e-05, 1.7360e-02],
[1.9025e+00, 9.9400e-04, 1.2241e-01],
[4.8334e+00, 3.2008e-03, 3.8505e-01],
[3.5666e+01, 1.7063e-01, 9.9239e-01],
[1.5367e+01, 2.9857e-02, 1.1490e+00],
[9.9650e+01, 1.1905e+00, 3.3399e+00],
[6.7189e+01, 8.4014e-01, 1.9360e+00],
[1.1126e-01, 1.1534e-06, 1.4912e-02],
[2.4626e-02, 8.7760e-08, 3.7845e-03],
[4.1733e+00, 1.2718e-02, 3.5657e-01],
[1.1639e+01, 2.5388e-02, 5.2818e-01],
[2.5606e+01, 1.4231e-01, 1.5344e+00],
[1.9277e+00, 4.6038e-04, 2.3308e-01],
[3.4759e+00, 2.9288e-03, 2.4359e-01],
[1.7361e-01, 8.8378e-06, 2.0946e-02],
[5.2300e+00, 2.8418e-03, 2.5335e-01],
[2.1494e+02, 4.7079e+00, 3.3954e+00],
[8.6947e+01, 6.8498e-02, 1.7783e+00],
[1.3900e+01, 1.0651e-02, 1.0309e+00],
[9.2935e-04, 1.2770e-10, 1.5001e-04],
[1.5504e+01, 9.8898e-02, 9.7477e-01],
[8.1304e+01, 8.8377e-01, 3.4357e+00],
[2.7666e+01, 4.3391e-02, 1.5536e+00],
[1.7813e-03, 1.4859e-09, 2.8832e-04],
[1.7663e+02, 6.3697e+00, 4.3003e+00],
[1.6433e+01, 4.8144e-02, 6.1973e-01],
[6.3418e+01, 2.9978e-01, 1.4199e+00],
[5.3921e+00, 8.9002e-03, 5.3798e-01],
[8.2356e-02, 1.9233e-06, 1.1490e-02],
[3.3953e+00, 2.9465e-03, 2.5946e-01],
[6.0845e-02, 2.1248e-06, 7.7751e-03],
[3.8982e+01, 5.5126e-01, 1.3654e+00],
[4.1730e+00, 2.6012e-03, 2.9927e-01],
[8.2273e+01, 8.6218e-01, 2.1875e+00],
[2.0932e-01, 2.3128e-05, 2.4165e-02],
[5.8944e-03, 1.3307e-08, 9.1049e-04],
[4.6324e+01, 2.5847e-01, 1.6812e+00],

```

[1.6549e+01, 2.7711e-02, 5.7188e-01],  
[4.9984e+01, 9.9356e-01, 2.8382e+00],  
[5.5743e+00, 2.9607e-03, 5.8698e-01],  
[1.6736e+01, 1.7931e-02, 4.4743e-01],  
[2.4649e-01, 1.9039e-05, 3.1527e-02],  
[4.9994e+00, 2.2904e-02, 5.8778e-01],  
[3.8359e+00, 1.4173e-03, 2.7942e-01],  
[3.8146e-01, 9.9565e-05, 3.9693e-02],  
[1.0365e+00, 6.8859e-04, 1.1765e-01],  
[5.2821e+01, 8.4244e-01, 1.3721e+00],  
[4.9434e-01, 1.5030e-04, 5.8273e-02],  
[3.1219e-01, 4.3097e-06, 3.2220e-02],  
[5.7035e+00, 1.8533e-03, 3.7992e-01],  
[3.2409e+00, 6.5869e-04, 1.8791e-01],  
[1.6487e+00, 1.0088e-03, 1.1188e-01],  
[3.1945e-01, 5.8593e-05, 3.6976e-02],  
[8.2090e+01, 3.5057e-01, 1.5391e+00],  
[6.8576e+00, 3.0168e-04, 3.1331e-01],  
[6.7976e-01, 6.1575e-04, 8.1400e-02],  
[1.4417e+02, 3.1768e-01, 2.8912e+00],  
[1.4020e+01, 1.4303e-02, 5.5922e-01],  
[2.4403e-01, 4.4600e-06, 2.2447e-02],  
[1.2340e+02, 1.0953e+00, 4.1582e+00],  
[5.0016e-02, 1.7702e-06, 7.4181e-03],  
[1.0945e+02, 3.4569e+00, 2.8387e+00],  
[2.4433e+01, 1.5254e-01, 9.6665e-01],  
[1.2374e+01, 4.8023e-02, 5.5278e-01],  
[1.1801e+02, 5.9315e-01, 2.0511e+00],  
[2.6487e-02, 1.6008e-08, 3.7698e-03],  
[2.3382e+01, 6.6121e-02, 1.2972e+00],  
[3.3739e+01, 3.1012e-01, 2.5126e+00],  
[1.8099e+02, 7.3099e-01, 4.5088e+00],  
[7.9326e-02, 5.6409e-06, 1.1412e-02],  
[1.0034e-01, 2.2585e-07, 1.1850e-02],  
[7.6549e-01, 2.8121e-04, 6.4159e-02],  
[1.0009e-03, 2.7611e-10, 1.6125e-04],  
[1.6160e+01, 9.4638e-02, 9.0814e-01],  
[8.4989e-01, 1.4655e-04, 7.6595e-02],  
[6.2197e-01, 9.8746e-05, 7.6973e-02],  
[8.8911e+01, 4.2960e-01, 2.2850e+00],  
[1.5609e+02, 2.9035e+00, 4.1822e+00],  
[1.3300e+01, 5.3972e-02, 5.7636e-01],  
[7.0020e-01, 3.1471e-04, 6.4375e-02],  
[1.5911e+00, 2.0727e-04, 1.2381e-01],  
[2.5234e+01, 6.8140e-02, 1.3706e+00],  
[1.1010e+02, 1.3151e+00, 2.3076e+00],  
[1.4165e+00, 1.9840e-04, 7.3748e-02],  
[8.7032e+01, 1.1241e+00, 2.3678e+00],

[7.3496e+01, 4.1716e-01, 2.3453e+00],  
[7.1641e-02, 1.0601e-06, 1.0666e-02],  
[7.5044e-02, 5.8730e-06, 1.0663e-02],  
[3.6001e+00, 2.7387e-03, 1.9957e-01],  
[7.2310e-01, 2.7361e-04, 8.5752e-02],  
[6.4777e-02, 1.0397e-06, 9.7748e-03],  
[1.7995e+00, 5.8131e-04, 1.0407e-01],  
[1.3369e-01, 3.4856e-06, 1.5395e-02],  
[4.7115e-02, 1.8632e-06, 6.5982e-03],  
[1.3394e-02, 4.9971e-08, 2.0928e-03],  
[1.0300e+00, 1.1825e-05, 6.8369e-02],  
[2.0706e+01, 1.0136e-01, 1.2208e+00],  
[2.1910e+00, 1.5506e-03, 1.7052e-01],  
[4.6253e+00, 6.7512e-04, 2.5246e-01],  
[5.8919e-01, 2.9024e-04, 6.3341e-02],  
[1.4492e+00, 9.3486e-04, 1.0443e-01],  
[5.7239e+01, 8.9663e-02, 1.3852e+00],  
[1.5670e+01, 7.5942e-03, 7.0268e-01],  
[5.6667e+00, 5.5852e-03, 3.1826e-01],  
[1.2616e-01, 1.3502e-06, 1.8428e-02],  
[5.4880e+01, 6.0633e-01, 2.4366e+00],  
[7.9948e+00, 7.4064e-03, 4.5835e-01],  
[1.4189e+01, 1.8226e-02, 1.4305e+00],  
[2.4475e+01, 5.1726e-03, 1.1154e+00],  
[3.8906e-01, 2.2020e-05, 3.0750e-02],  
[5.9981e+00, 1.4981e-02, 3.9058e-01],  
[9.0155e+00, 4.8097e-03, 4.5663e-01],  
[6.4902e+00, 8.9044e-03, 4.9067e-01],  
[9.4026e-01, 2.9401e-04, 8.2462e-02],  
[9.8945e+00, 1.1031e-02, 4.0508e-01],  
[4.8360e+01, 3.3198e-01, 1.4009e+00],  
[6.5640e+00, 2.6198e-02, 6.2544e-01],  
[4.2413e-01, 6.0916e-05, 3.7386e-02],  
[3.5649e+01, 1.2516e-01, 1.8780e+00],  
[1.1985e-01, 2.0493e-06, 1.4608e-02],  
[8.3576e+00, 1.3627e-02, 6.1525e-01],  
[1.0550e+02, 6.6118e-01, 2.6815e+00],  
[1.3181e+01, 4.8191e-02, 5.8440e-01],  
[3.5918e+01, 1.2891e-02, 1.5430e+00],  
[8.1686e-03, 4.4009e-08, 1.2408e-03],  
[1.3999e-02, 7.5745e-08, 2.0516e-03],  
[1.2410e+00, 7.9917e-04, 1.1840e-01],  
[1.3473e+02, 1.3957e+00, 3.1078e+00],  
[1.5313e+01, 5.7381e-02, 8.7961e-01],  
[1.2184e-01, 3.5489e-06, 1.5038e-02],  
[5.0575e+00, 4.8978e-03, 5.4798e-01],  
[4.7910e-01, 3.4037e-05, 4.3478e-02],  
[1.4418e+01, 5.3854e-02, 6.2727e-01],

[1.4634e+02, 2.0056e+00, 3.1745e+00],  
[1.0277e+01, 9.0751e-04, 4.9929e-01],  
[9.2705e-02, 9.0265e-06, 1.3277e-02],  
[2.4751e+01, 7.0107e-02, 9.8367e-01],  
[7.8001e+01, 5.0880e-01, 2.8044e+00],  
[3.8955e+00, 3.0463e-03, 2.1145e-01],  
[2.1531e+01, 2.1761e-02, 1.5191e+00],  
[1.4672e-01, 6.7059e-06, 1.8314e-02],  
[1.0939e+01, 2.0027e-02, 6.1628e-01],  
[9.1458e+01, 1.4506e+00, 2.9575e+00],  
[3.6744e+01, 5.6931e-02, 1.2700e+00],  
[7.7342e+01, 9.8699e-01, 3.3202e+00],  
[3.5931e-02, 2.1755e-07, 5.4902e-03],  
[5.6823e-03, 7.8839e-09, 8.8141e-04],  
[4.9030e-02, 4.6943e-08, 7.1220e-03],  
[9.6583e-01, 5.1769e-04, 9.9061e-02],  
[5.3395e+01, 4.6791e-02, 2.0888e+00],  
[5.7547e+01, 8.3767e-01, 2.0756e+00],  
[1.4245e+02, 5.5286e-01, 3.9895e+00],  
[1.7298e+01, 3.2291e-02, 9.5635e-01],  
[1.0281e+00, 1.0988e-04, 1.2708e-01],  
[3.8547e+00, 5.4508e-03, 3.0571e-01],  
[3.9722e+00, 2.2779e-03, 2.8271e-01],  
[1.6395e+00, 6.4826e-04, 1.3509e-01],  
[7.1680e-01, 2.1601e-04, 6.5019e-02],  
[1.4062e+01, 4.3830e-02, 7.7335e-01],  
[1.0889e+00, 6.3638e-04, 9.2611e-02],  
[6.1821e-02, 1.3032e-06, 8.0012e-03],  
[1.0027e+01, 2.6958e-02, 6.2482e-01],  
[7.3486e+00, 6.5295e-03, 3.2264e-01],  
[1.2834e+02, 1.9610e+00, 3.3215e+00],  
[5.1683e-03, 1.5463e-08, 8.3433e-04],  
[8.3480e+01, 1.2188e+00, 3.7723e+00],  
[3.7121e-01, 3.5686e-05, 4.5481e-02],  
[9.6667e+01, 6.5944e-01, 4.0007e+00],  
[1.1056e+00, 5.0433e-05, 1.0116e-01],  
[7.9387e-03, 1.4293e-08, 1.2011e-03],  
[7.4634e+01, 6.9864e-01, 1.8231e+00],  
[7.6343e-01, 9.0363e-05, 6.5636e-02],  
[2.6897e-01, 2.2462e-05, 3.2446e-02],  
[1.9891e+01, 8.4080e-02, 9.0590e-01],  
[2.9206e+00, 1.6363e-03, 2.3891e-01],  
[6.1553e-02, 7.1110e-07, 8.6199e-03],  
[4.0625e+00, 1.0031e-03, 3.7099e-01],  
[4.8915e-02, 7.1028e-07, 7.0089e-03],  
[3.1649e-01, 2.1733e-05, 2.7508e-02],  
[4.4797e-01, 8.3095e-06, 3.7997e-02],  
[1.9857e+00, 6.9718e-04, 1.0855e-01],

[1.0838e+02, 3.4092e-01, 2.3661e+00],  
[1.1029e+02, 1.1077e+00, 2.6436e+00],  
[3.7645e+01, 1.3859e-01, 1.2479e+00],  
[2.5227e-01, 3.3658e-05, 3.6733e-02],  
[7.3155e-02, 1.8192e-06, 9.1205e-03],  
[2.0105e+01, 2.5198e-02, 8.2132e-01],  
[1.6480e+00, 3.9428e-04, 1.2000e-01],  
[8.2321e-03, 2.0472e-08, 1.2829e-03],  
[1.9654e+01, 4.8511e-02, 6.3429e-01],  
[2.0516e+00, 5.8162e-04, 1.6380e-01],  
[4.7209e-01, 1.0170e-05, 5.1890e-02],  
[2.5036e+02, 4.3576e+00, 4.4410e+00],  
[2.5435e-01, 6.1018e-05, 3.4351e-02],  
[1.5284e+01, 2.4227e-03, 6.3431e-01],  
[2.4706e-02, 1.2398e-07, 3.4750e-03],  
[3.2024e+01, 6.9641e-02, 1.5953e+00],  
[1.7940e+00, 4.6573e-05, 1.3769e-01],  
[2.8867e+01, 1.4622e-02, 1.0308e+00],  
[9.3676e+01, 2.2884e+00, 4.1995e+00],  
[5.1468e+01, 4.0444e-01, 1.6524e+00],  
[8.4149e+00, 9.3133e-03, 3.2845e-01],  
[2.1316e+01, 2.9907e-02, 1.4930e+00],  
[1.4661e+00, 7.0826e-04, 1.4886e-01],  
[2.0653e+00, 1.1938e-03, 2.2424e-01],  
[1.1523e+01, 2.6481e-02, 5.4942e-01],  
[1.1509e-02, 7.4445e-09, 1.7049e-03],  
[3.1888e+01, 7.3894e-02, 1.3006e+00],  
[4.1532e+01, 1.3015e-01, 1.7327e+00],  
[3.0674e+01, 1.2168e-01, 1.7567e+00],  
[5.2848e-02, 3.6437e-07, 7.4008e-03],  
[2.4948e+01, 3.3059e-02, 1.8308e+00],  
[3.8636e-01, 4.8499e-05, 3.1476e-02],  
[2.4864e+01, 4.8559e-02, 6.9318e-01],  
[7.1077e+01, 4.1633e-01, 1.5331e+00],  
[1.3252e+02, 1.6851e-01, 2.6948e+00],  
[8.9991e+00, 4.1189e-03, 3.4582e-01],  
[2.0356e+01, 2.6734e-02, 8.7150e-01],  
[5.8259e-03, 4.9284e-09, 9.4100e-04],  
[1.6760e+02, 4.9754e+00, 3.5940e+00],  
[6.3369e-02, 1.6241e-06, 7.9312e-03],  
[4.2159e+00, 2.9327e-03, 2.9478e-01],  
[3.3986e+00, 1.2564e-03, 4.0182e-01],  
[2.1083e-01, 1.5608e-05, 1.9875e-02],  
[6.1451e+00, 4.5009e-03, 4.3416e-01],  
[4.0872e+01, 2.0491e-01, 1.1795e+00],  
[5.7218e-01, 1.9277e-04, 5.8747e-02],  
[5.4137e+01, 5.4260e-02, 2.6092e+00],  
[1.5772e+02, 3.0746e+00, 3.6878e+00],



[4.8521e+01, 4.5396e-01, 1.8474e+00],  
[9.1156e-04, 1.3801e-10, 1.4776e-04],  
[5.0685e+01, 5.5249e-01, 2.6052e+00],  
[1.2831e+01, 6.3335e-02, 5.9233e-01],  
[1.2150e-02, 5.1575e-08, 1.9231e-03],  
[5.5117e-01, 1.9919e-04, 5.7312e-02],  
[1.8460e+01, 2.9748e-02, 4.9209e-01],  
[1.2336e+02, 3.5028e+00, 2.6031e+00],  
[1.5814e+00, 4.0911e-04, 9.4628e-02],  
[4.5116e+01, 4.9590e-01, 1.4182e+00],  
[1.7689e+01, 1.3648e-02, 6.1430e-01],  
[1.1480e+02, 2.3763e+00, 2.8313e+00],  
[6.8889e+01, 4.8383e-01, 3.6662e+00],  
[8.9691e+01, 6.8196e-01, 2.9927e+00],  
[9.5534e+01, 5.3882e-01, 1.8615e+00],  
[8.0792e+00, 3.4722e-03, 6.2347e-01],  
[1.6701e+01, 4.0867e-02, 6.5224e-01],  
[5.7678e-02, 6.8129e-07, 8.3027e-03],  
[1.4956e+01, 1.3096e-02, 8.1956e-01],  
[9.2537e+01, 2.7523e+00, 3.2732e+00],  
[9.5151e+01, 1.9478e-01, 4.0371e+00],  
[3.4123e+00, 2.5729e-03, 4.3810e-01],  
[7.1230e-03, 4.0453e-08, 1.1080e-03],  
[8.8106e-02, 6.7528e-07, 1.2229e-02],  
[1.0283e+02, 1.0006e+00, 3.8444e+00],  
[3.5873e-01, 1.1395e-04, 4.7594e-02],  
[6.4754e+00, 1.2635e-02, 4.7699e-01],  
[1.7871e+02, 4.1862e+00, 4.8942e+00],  
[2.9699e-01, 1.1242e-05, 2.6429e-02],  
[1.3871e+02, 2.8330e+00, 4.2524e+00],  
[7.8137e+01, 1.5458e+00, 2.1607e+00],  
[2.0904e+01, 6.6826e-02, 7.0657e-01],  
[1.1882e+02, 8.0385e-01, 4.0493e+00],  
[4.3315e-01, 3.7161e-05, 3.4247e-02],  
[7.1689e+01, 6.2403e-01, 3.0212e+00],  
[9.5142e+00, 6.3579e-03, 3.5736e-01],  
[1.3300e+01, 1.3829e-02, 5.8956e-01],  
[5.5849e+00, 3.3392e-03, 6.5780e-01],  
[1.9757e+01, 1.0521e-01, 1.8075e+00],  
[1.2626e+02, 2.7005e+00, 3.1026e+00],  
[4.4906e-01, 6.1491e-05, 4.9370e-02],  
[2.8747e+01, 3.1446e-02, 1.3482e+00],  
[1.0144e+02, 1.4374e+00, 1.8838e+00],  
[2.9782e+01, 6.2992e-02, 7.8067e-01],  
[4.8188e+00, 7.5150e-04, 2.1245e-01],  
[6.6218e+00, 4.6829e-03, 4.6258e-01],  
[1.4955e+02, 1.5231e+00, 4.2623e+00],  
[2.8815e+00, 5.9496e-04, 1.8813e-01],

```

[5.6844e-03, 1.6721e-08, 8.9319e-04],
[5.2344e+01, 1.2798e+00, 2.5028e+00],
[8.5847e-03, 9.2156e-09, 1.3157e-03],
[2.4766e-01, 3.5123e-05, 2.8963e-02],
[2.8892e+02, 8.5465e+00, 4.8390e+00],
[1.8053e+01, 1.7277e-01, 1.1645e+00],
[9.6017e-04, 1.7872e-10, 1.5665e-04],
[3.4118e-01, 7.7280e-05, 3.7777e-02],
[3.5011e+01, 1.1239e-01, 2.2521e+00],
[1.4573e-01, 7.7066e-06, 1.8602e-02],
[3.1929e+02, 1.1960e+01, 4.9207e+00],
[3.0305e+01, 5.9209e-02, 7.9525e-01],
[1.5042e+02, 2.7835e+00, 4.5853e+00],
[4.4724e-02, 1.0333e-06, 6.0578e-03],
[2.1574e+02, 4.5102e+00, 3.8535e+00],
[9.0393e-03, 6.5932e-09, 1.3860e-03],
[6.3487e+00, 1.4900e-02, 3.9001e-01],
[9.6908e+00, 1.4884e-02, 4.5405e-01],
[3.7471e+01, 4.2989e-01, 1.5892e+00],
[9.1794e-02, 1.7891e-06, 1.3570e-02],
[5.3980e+01, 5.3065e-01, 1.9163e+00],
[4.1854e-01, 1.4057e-05, 4.8826e-02],
[3.4056e-02, 1.3505e-07, 4.8953e-03],
[3.0593e+01, 2.7815e-01, 1.2068e+00],
[3.5187e+01, 5.7256e-01, 2.7038e+00],
[4.6176e+00, 2.8182e-03, 5.1419e-01],
[1.4488e+01, 5.3179e-02, 8.1666e-01],
[6.9548e+00, 8.2278e-03, 4.3722e-01],
[4.0673e+00, 1.7735e-02, 4.6320e-01],
[2.7259e+01, 2.0641e-02, 8.6545e-01],
[4.2807e-02, 1.7145e-07, 6.3107e-03],
[3.6897e+00, 6.6035e-03, 2.5017e-01],
[1.8317e-01, 1.0105e-05, 2.5722e-02],
[1.8585e+01, 1.3973e-02, 6.1812e-01],
[2.9994e-01, 5.3580e-05, 3.5430e-02],
[2.2777e+01, 1.2054e-01, 1.0163e+00]], dtype=torch.float64)
Iteration: 149
Inputs: tensor([[2.2241e+20, 2.6002e+01, 1.7745e+00, 7.8886e+00],
               [7.3176e+19, 7.7545e+01, 1.0391e+01, 6.3280e+00],
               [6.1702e+19, 3.1135e+02, 1.3207e+01, 3.0406e+00],
               ...,
               [2.4660e+18, 1.5177e+02, 6.2849e+00, 9.8300e+00],
               [4.4932e+19, 3.4633e+02, 1.5309e+01, 7.8471e+00],
               [1.0767e+19, 3.1978e+02, 1.8322e+01, 9.0343e+00]]), dtype=torch.float64)
Target: tensor([[1.1319e+01, 3.5198e-02, 9.9568e-01],
               [7.0938e+00, 1.8346e-02, 5.8800e-01],
               [1.4468e+01, 2.2260e-02, 8.1015e-01],
               [5.4398e-01, 3.6630e-05, 6.4327e-02],

```

[8.5621e-01, 1.3593e-04, 7.8046e-02],  
[9.8347e+00, 6.1487e-03, 5.7669e-01],  
[9.6623e+00, 1.1730e-02, 5.1418e-01],  
[3.5681e-01, 1.8065e-05, 4.1643e-02],  
[1.6587e+00, 9.3936e-04, 1.5610e-01],  
[1.3723e+02, 2.8551e+00, 3.6438e+00],  
[2.8467e-01, 4.2383e-05, 3.2706e-02],  
[5.9482e-02, 1.0228e-06, 7.6163e-03],  
[1.0531e+01, 2.1799e-02, 4.7266e-01],  
[7.2937e-01, 9.6021e-05, 6.9570e-02],  
[7.7062e+00, 1.3724e-02, 3.6576e-01],  
[1.0982e+02, 1.5267e+00, 2.7140e+00],  
[2.7683e-01, 3.3865e-05, 2.5791e-02],  
[2.0165e+00, 6.6130e-04, 1.0356e-01],  
[2.3687e+01, 1.5467e-01, 9.2631e-01],  
[4.7196e+01, 2.2889e-01, 2.1839e+00],  
[3.1480e+01, 4.9241e-02, 1.1030e+00],  
[1.6629e+02, 2.2967e-01, 3.3084e+00],  
[1.6548e-01, 1.1221e-05, 1.8429e-02],  
[1.3100e+00, 1.7707e-04, 1.0191e-01],  
[2.2570e+01, 2.0998e-01, 1.6691e+00],  
[1.0211e-01, 5.3377e-06, 1.3827e-02],  
[4.2255e+00, 1.2737e-02, 3.9579e-01],  
[2.9953e-02, 3.6848e-07, 4.3167e-03],  
[3.0834e+00, 3.1238e-03, 1.9011e-01],  
[3.5508e+00, 9.2999e-03, 3.2657e-01],  
[1.1737e+00, 2.7901e-04, 1.2274e-01],  
[6.8741e-01, 2.1999e-04, 6.4977e-02],  
[1.3139e+02, 3.5400e+00, 3.6599e+00],  
[8.7443e+01, 7.5833e-01, 2.2212e+00],  
[7.5652e+00, 2.2668e-03, 2.8901e-01],  
[1.2148e-01, 6.3801e-06, 1.3404e-02],  
[1.3341e+01, 7.2105e-03, 4.7237e-01],  
[1.2134e+00, 4.1232e-05, 1.3227e-01],  
[5.8882e-02, 1.1981e-06, 7.5610e-03],  
[9.4503e+00, 3.2824e-03, 4.3734e-01],  
[3.3247e+00, 2.3904e-03, 2.6523e-01],  
[4.0674e+01, 1.3963e-01, 1.8202e+00],  
[3.6917e+01, 2.7692e-02, 1.3159e+00],  
[5.0280e+01, 2.7149e-01, 3.2142e+00],  
[7.8639e+01, 1.2404e-01, 2.4374e+00],  
[7.0212e+01, 8.5968e-02, 2.9829e+00],  
[1.0577e+01, 1.1965e-02, 4.7404e-01],  
[9.2756e+00, 5.6308e-03, 9.8266e-01],  
[7.8912e+01, 7.5444e-01, 2.3683e+00],  
[5.7685e-01, 9.4020e-05, 7.2660e-02],  
[4.8116e-01, 2.6234e-04, 6.5469e-02],  
[1.9081e+02, 1.3646e+00, 4.7515e+00],

[3.3608e-01, 1.8904e-05, 4.9571e-02],  
[1.6137e+02, 7.0780e+00, 4.4953e+00],  
[3.5627e+01, 2.6434e-01, 1.3831e+00],  
[1.8412e+01, 6.0691e-02, 7.9063e-01],  
[4.3565e-02, 5.6868e-07, 6.0586e-03],  
[2.0151e-01, 1.2825e-05, 2.9383e-02],  
[2.6583e+01, 2.4351e-02, 7.4227e-01],  
[9.6216e-01, 5.2723e-05, 7.6897e-02],  
[2.1165e+02, 2.4105e+00, 3.2635e+00],  
[7.9705e-03, 5.8482e-08, 1.2052e-03],  
[6.0382e-02, 8.5007e-07, 8.7063e-03],  
[5.0043e+01, 8.8942e-01, 2.2261e+00],  
[2.2187e+02, 1.3893e+01, 4.8637e+00],  
[6.7511e+01, 9.1437e-01, 1.6503e+00],  
[9.5995e-01, 6.7627e-05, 6.1006e-02],  
[8.4370e-02, 3.0881e-06, 1.1482e-02],  
[3.3113e-03, 1.8502e-09, 5.3226e-04],  
[6.6447e+01, 9.6886e-01, 2.9858e+00],  
[6.7345e-03, 5.2723e-08, 1.0331e-03],  
[1.0110e-01, 5.6684e-06, 1.1979e-02],  
[1.5119e-02, 3.0153e-07, 2.2007e-03],  
[1.6320e+00, 2.7309e-04, 1.2080e-01],  
[1.1058e+00, 1.4081e-03, 1.2671e-01],  
[5.8965e-01, 5.5998e-04, 7.9870e-02],  
[5.0339e-01, 7.0709e-05, 4.3090e-02],  
[1.1838e+00, 1.8538e-04, 1.1514e-01],  
[1.0142e+00, 1.0073e-04, 6.5489e-02],  
[2.7205e-01, 4.2280e-05, 2.7299e-02],  
[4.5581e+00, 2.3450e-03, 2.7013e-01],  
[1.9646e+00, 1.8971e-03, 2.7153e-01],  
[3.8280e+01, 4.6312e-01, 1.1349e+00],  
[7.3210e+00, 9.8691e-03, 3.6719e-01],  
[6.3462e+00, 9.4481e-04, 2.9567e-01],  
[1.9386e+01, 7.0421e-02, 9.6859e-01],  
[1.7353e+02, 1.4574e+00, 4.3495e+00],  
[4.1066e+01, 6.2909e-02, 2.0708e+00],  
[1.1331e+01, 6.4334e-03, 4.5988e-01],  
[3.2180e+00, 1.9607e-03, 3.0935e-01],  
[3.1301e+01, 1.7362e-02, 1.0830e+00],  
[3.2715e+00, 1.5439e-03, 3.7712e-01],  
[3.4183e+00, 1.3307e-03, 2.2154e-01],  
[6.1334e+00, 1.1083e-02, 3.4699e-01],  
[4.3348e+00, 2.2763e-03, 1.7955e-01],  
[6.9297e-02, 8.9329e-07, 1.0248e-02],  
[3.0544e+01, 4.4562e-02, 8.2469e-01],  
[1.2605e+01, 2.2098e-02, 4.8816e-01],  
[1.1815e-01, 4.3684e-06, 1.3390e-02],  
[1.4877e+01, 4.1937e-02, 5.9983e-01],

[7.4385e-01, 4.8977e-04, 8.4231e-02],  
 [1.1997e+00, 6.9236e-04, 1.3144e-01],  
 [1.7472e+02, 5.6755e+00, 4.5488e+00],  
 [1.4093e+00, 1.7825e-04, 1.6476e-01],  
 [1.0368e+02, 1.3990e+00, 3.3791e+00],  
 [5.0355e-01, 1.5301e-04, 6.1393e-02],  
 [1.8752e+01, 7.1928e-02, 9.5840e-01],  
 [6.0443e+01, 3.6274e-01, 1.2821e+00],  
 [1.1890e+01, 2.7853e-02, 5.8349e-01],  
 [2.1366e+00, 2.3323e-04, 1.8300e-01],  
 [1.1801e+01, 1.4565e-02, 6.6034e-01],  
 [1.1079e+01, 4.0052e-02, 6.6775e-01],  
 [2.0793e+00, 2.2043e-04, 1.2282e-01],  
 [1.4626e-01, 1.8367e-05, 1.8167e-02],  
 [1.1568e+02, 1.5109e-01, 2.2652e+00],  
 [3.1457e+00, 4.1065e-03, 1.9569e-01],  
 [2.6786e+01, 1.2283e-01, 1.0722e+00],  
 [2.7919e+01, 1.8760e-01, 8.8591e-01],  
 [2.8821e+00, 1.8877e-03, 3.0906e-01],  
 [1.8048e-01, 5.2957e-06, 2.4248e-02],  
 [1.6808e+02, 5.1028e+00, 3.7625e+00],  
 [4.5990e+00, 3.1247e-04, 2.4521e-01],  
 [6.4469e-01, 1.7320e-04, 7.5893e-02],  
 [7.0905e+01, 8.3614e-01, 2.6370e+00],  
 [5.2822e-01, 5.0568e-05, 5.6068e-02],  
 [1.4421e-01, 2.5706e-06, 1.8987e-02],  
 [5.9090e+00, 2.5281e-02, 4.2220e-01],  
 [8.0380e+01, 6.3858e-01, 2.3371e+00],  
 [1.5706e+02, 3.2092e+00, 3.7035e+00],  
 [4.7903e+00, 2.9211e-03, 2.2927e-01],  
 [5.8170e+00, 8.1057e-03, 6.7024e-01],  
 [1.4550e+01, 6.7528e-03, 5.8753e-01],  
 [1.2654e+02, 1.7598e+00, 3.0718e+00],  
 [7.5706e-01, 9.7176e-04, 1.0173e-01],  
 [3.3016e-01, 1.5657e-05, 2.8401e-02],  
 [2.0484e+02, 7.5549e-01, 4.9746e+00],  
 [2.2234e+00, 1.0317e-03, 1.3768e-01],  
 [1.2389e+02, 2.5574e+00, 3.0221e+00],  
 [2.1329e+01, 3.9829e-02, 6.1812e-01],  
 [3.1601e+01, 6.9245e-02, 1.2715e+00],  
 [1.5970e+00, 4.1262e-04, 9.1228e-02],  
 [4.6085e+01, 7.6855e-01, 2.6547e+00],  
 [6.5883e-02, 1.5390e-06, 8.2143e-03],  
 [2.0381e+00, 7.4466e-04, 1.2312e-01],  
 [1.0763e+01, 7.0352e-03, 4.2019e-01],  
 [1.4433e-01, 1.0104e-05, 1.7340e-02],  
 [5.3360e+00, 4.0022e-03, 2.2524e-01],  
 [9.0133e-01, 4.4155e-05, 8.2915e-02],

[6.6098e+01, 8.7771e-01, 3.4426e+00],  
 [2.7601e+02, 6.3834e-01, 4.6390e+00],  
 [6.0817e-01, 4.3244e-05, 6.6668e-02],  
 [1.3737e-01, 1.1206e-05, 1.7607e-02],  
 [3.0180e+01, 2.1508e-02, 1.3259e+00],  
 [1.6265e+00, 2.3796e-03, 1.8309e-01],  
 [4.7826e-01, 8.8272e-05, 3.9830e-02],  
 [1.4251e+01, 1.1384e-02, 8.3883e-01],  
 [7.2699e+01, 5.1451e-01, 2.3168e+00],  
 [1.0518e+02, 2.4061e-01, 2.7587e+00],  
 [1.6734e+01, 5.6671e-02, 7.3233e-01],  
 [3.7557e+01, 4.5042e-01, 1.9995e+00],  
 [2.8878e+00, 1.8451e-03, 2.8635e-01],  
 [1.7254e+00, 1.2928e-04, 1.3248e-01],  
 [2.3091e+02, 7.8693e+00, 4.7851e+00],  
 [1.9444e+01, 1.9423e-02, 7.3443e-01],  
 [6.6177e-03, 3.3150e-08, 1.0234e-03],  
 [6.5545e-02, 1.0439e-06, 8.8864e-03],  
 [1.8598e+01, 5.2570e-02, 1.7287e+00],  
 [2.3251e-01, 2.3758e-05, 3.2263e-02],  
 [1.1755e+01, 2.6885e-02, 4.7518e-01],  
 [3.2116e+01, 1.2197e-01, 7.7646e-01],  
 [1.6688e-01, 1.3191e-06, 1.8796e-02],  
 [3.3579e+01, 1.4535e-02, 1.5250e+00],  
 [3.5758e+01, 2.3693e-01, 1.9631e+00],  
 [7.3624e-02, 7.8670e-07, 9.6194e-03],  
 [7.6236e+00, 5.0231e-03, 3.6323e-01],  
 [6.0715e+01, 8.9244e-01, 2.9203e+00],  
 [8.4606e+01, 5.8314e-01, 2.2959e+00],  
 [8.4015e-03, 4.3856e-08, 1.2740e-03],  
 [1.3509e+02, 2.7669e-01, 3.1683e+00],  
 [2.5320e+01, 1.1897e-01, 1.0918e+00],  
 [1.4390e+02, 1.9468e+00, 4.1005e+00],  
 [1.6441e+00, 3.2167e-04, 1.0945e-01],  
 [8.7696e+01, 6.5137e-02, 2.1640e+00],  
 [8.4381e+01, 2.1202e+00, 2.9662e+00],  
 [7.1703e-02, 3.7041e-07, 1.0041e-02],  
 [6.8040e-02, 1.9539e-06, 8.3771e-03],  
 [5.0232e-01, 5.7118e-05, 4.3549e-02],  
 [4.0843e+01, 2.6512e-01, 1.1527e+00],  
 [1.6562e+00, 9.9225e-04, 1.5730e-01],  
 [4.5522e-01, 4.0745e-05, 6.4974e-02],  
 [9.9051e-01, 4.4057e-04, 1.4437e-01],  
 [5.7969e+00, 6.4464e-04, 4.2678e-01],  
 [1.0937e-01, 1.4741e-05, 1.4973e-02],  
 [7.9286e+00, 1.5144e-02, 6.0586e-01],  
 [7.5752e-02, 2.1319e-07, 9.7769e-03],  
 [1.4203e-01, 2.1959e-05, 1.9129e-02],

[1.6506e+00, 5.9205e-04, 1.4461e-01],  
[1.0838e+01, 6.6139e-03, 4.9005e-01],  
[1.0609e+02, 1.8306e+00, 2.8853e+00],  
[7.4648e-01, 1.0981e-04, 5.6704e-02],  
[9.5524e+01, 3.2874e-01, 2.8741e+00],  
[8.0685e-03, 1.0289e-08, 1.2369e-03],  
[5.4150e+01, 6.8472e-01, 3.2340e+00],  
[2.4969e+01, 6.9690e-02, 1.1121e+00],  
[6.0687e-01, 9.5213e-05, 8.2286e-02],  
[6.7663e-01, 1.1369e-04, 5.6679e-02],  
[5.1011e+00, 4.7810e-03, 3.5012e-01],  
[3.2820e+01, 1.2569e-01, 8.9956e-01],  
[2.3876e+00, 1.0746e-03, 2.1931e-01],  
[2.1110e-01, 3.1587e-05, 2.6294e-02],  
[2.1879e+01, 3.8199e-02, 8.6949e-01],  
[1.1583e+01, 2.5412e-02, 5.5980e-01],  
[2.7484e+01, 1.8521e-01, 1.3956e+00],  
[9.8135e+01, 5.3988e-01, 1.7919e+00],  
[6.6570e+01, 1.6600e-01, 1.4023e+00],  
[5.0910e+01, 1.0386e-01, 2.7456e+00],  
[9.6095e+01, 1.6151e-01, 1.9618e+00],  
[2.1319e+00, 1.4276e-03, 2.7771e-01],  
[1.2156e+01, 3.9588e-02, 8.3482e-01],  
[1.6852e+02, 2.9345e+00, 3.4290e+00],  
[1.2134e+02, 2.7398e+00, 4.4846e+00],  
[7.3664e-03, 4.9271e-08, 1.1447e-03],  
[2.3313e+01, 5.6260e-02, 1.2691e+00],  
[2.6754e+00, 6.8613e-03, 3.0313e-01],  
[1.2488e+01, 9.9691e-03, 9.2114e-01],  
[4.4370e+01, 6.9395e-01, 2.4696e+00],  
[6.8626e+00, 4.1387e-03, 2.6673e-01],  
[1.0063e+01, 1.8676e-02, 4.7065e-01],  
[4.8090e+01, 2.5122e-01, 1.7826e+00],  
[3.0388e+01, 2.5748e-02, 1.3238e+00],  
[7.1748e-01, 2.0848e-04, 9.0332e-02],  
[4.2295e-01, 3.4686e-05, 3.1701e-02],  
[1.5638e+00, 7.7120e-04, 1.4507e-01],  
[4.2535e+01, 4.0916e-01, 1.7088e+00],  
[3.6216e+01, 4.1093e-01, 2.1375e+00],  
[3.4829e+01, 7.7268e-02, 8.5414e-01],  
[2.4044e+00, 1.2547e-03, 1.4174e-01],  
[1.0503e+02, 1.5497e+00, 2.8357e+00],  
[1.7162e+00, 1.3198e-03, 1.8866e-01],  
[5.4733e+01, 3.0794e-02, 2.0601e+00],  
[1.6665e+00, 8.8219e-05, 1.5577e-01],  
[2.4403e-02, 8.8638e-08, 3.8185e-03],  
[2.3870e+01, 6.3760e-02, 8.2740e-01],  
[2.7112e-01, 2.3830e-05, 3.1606e-02],

[3.9792e-04, 2.5370e-11, 6.5358e-05],  
[1.3441e-01, 4.6343e-06, 1.6054e-02],  
[1.0454e+01, 3.4944e-02, 4.6351e-01],  
[8.4864e+00, 2.7655e-02, 4.4958e-01],  
[6.4444e+00, 6.4313e-03, 4.6204e-01],  
[1.3210e+00, 1.4252e-04, 1.1257e-01],  
[4.6540e+00, 2.5539e-03, 4.1896e-01],  
[1.8951e+01, 4.6171e-02, 7.6117e-01],  
[1.0039e+01, 1.3715e-02, 3.9848e-01],  
[6.2677e-02, 1.0292e-06, 7.8659e-03],  
[5.1080e-01, 2.0356e-05, 4.3287e-02],  
[1.9223e+02, 4.2472e+00, 3.5165e+00],  
[1.0302e+01, 3.1670e-02, 7.0884e-01],  
[1.6789e+00, 2.3765e-04, 1.5035e-01],  
[2.6701e-03, 4.4651e-09, 4.2559e-04],  
[8.7273e-01, 8.3699e-04, 1.0885e-01],  
[6.0445e+01, 6.3912e-01, 1.5343e+00],  
[1.1321e+00, 2.2482e-04, 7.5661e-02],  
[2.0820e+00, 3.2186e-04, 1.0570e-01],  
[1.8426e+02, 6.5822e+00, 4.6373e+00],  
[1.0346e+00, 3.7260e-04, 8.5573e-02],  
[2.6565e+01, 1.3830e-01, 1.0457e+00],  
[4.9337e+01, 7.7376e-01, 1.5060e+00],  
[1.1842e+02, 2.5832e+00, 3.0862e+00],  
[1.9680e-02, 3.6414e-08, 3.0045e-03],  
[4.3824e+00, 1.8726e-03, 2.7388e-01],  
[1.1167e-01, 1.0992e-05, 1.5037e-02],  
[1.9543e+02, 1.5492e+00, 3.9123e+00],  
[2.3880e+02, 2.1791e+00, 4.9306e+00],  
[2.1705e+01, 9.1306e-02, 1.7843e+00],  
[1.0365e+01, 1.4776e-02, 5.2675e-01],  
[5.8616e-02, 2.0050e-06, 8.9260e-03],  
[2.5259e+01, 3.1641e-02, 1.0569e+00],  
[7.4780e+01, 1.0679e+00, 2.7470e+00],  
[1.0110e-02, 1.4472e-07, 1.5838e-03],  
[8.6050e+01, 1.9700e-01, 3.0650e+00],  
[1.7206e+02, 3.3102e+00, 2.9776e+00],  
[3.8936e-01, 3.0626e-05, 4.4867e-02],  
[1.6207e+01, 3.6040e-02, 6.0919e-01],  
[1.3873e-02, 7.7441e-08, 2.1442e-03],  
[4.3095e-01, 6.6439e-05, 3.3905e-02],  
[6.7943e-02, 4.0309e-06, 9.6113e-03],  
[1.2424e+02, 4.4202e+00, 3.8064e+00],  
[4.4572e+00, 4.7834e-03, 3.4992e-01],  
[1.6545e+02, 2.9459e+00, 2.8924e+00],  
[3.0092e+01, 2.4649e-02, 1.1310e+00],  
[2.1369e+01, 1.4606e-01, 8.1216e-01],  
[3.4660e-03, 4.0248e-09, 5.4982e-04],



```

[3.9641e-01, 2.4342e-05, 3.8242e-02],
[2.6538e+01, 8.3407e-02, 1.0973e+00],
[4.3317e+00, 5.1179e-03, 4.1969e-01],
[1.3528e+02, 2.3890e+00, 2.5811e+00],
[5.5437e-02, 2.2486e-06, 7.9238e-03],
[8.6915e+00, 6.0615e-02, 6.4192e-01],
[4.2069e+01, 4.2243e-01, 1.5027e+00],
[4.9077e+00, 4.3978e-03, 2.8167e-01],
[6.9983e-02, 6.5394e-06, 1.0144e-02],
[2.3854e-01, 1.5850e-06, 2.4337e-02],
[4.3477e+01, 4.2132e-01, 1.8973e+00],
[6.3025e-02, 1.8081e-06, 8.3326e-03],
[4.4920e+01, 3.7887e-01, 2.0043e+00],
[4.0573e-01, 9.0449e-05, 4.2716e-02],
[9.9274e+01, 1.3341e+00, 3.2272e+00],
[7.0351e-04, 6.9823e-11, 1.1393e-04],
[1.7374e-01, 1.2056e-05, 1.8579e-02],
[1.9598e+02, 7.2237e-01, 4.2960e+00],
[1.0776e+02, 1.2718e-01, 4.0135e+00],
[1.0463e+02, 2.0013e+00, 2.7773e+00],
[1.8291e+01, 3.1494e-02, 6.1137e-01],
[6.3967e-01, 2.1212e-04, 7.1735e-02],
[2.6217e+02, 1.8176e+00, 4.5368e+00],
[6.6321e-01, 1.3640e-04, 7.8496e-02],
[3.3115e-01, 4.1760e-05, 3.8624e-02],
[2.8937e-01, 4.2706e-05, 3.1090e-02],
[1.9947e+01, 1.1093e-01, 7.9735e-01],
[3.1810e+00, 4.7456e-03, 2.1997e-01]], dtype=torch.float64)
Iteration: 150
Inputs: tensor([[3.1645e+19, 1.0901e+02, 7.3978e+00, 2.6174e+00],
               [9.5359e+18, 3.0128e+02, 3.2802e+00, 7.9838e+00],
               [4.2953e+20, 3.0664e+02, 1.3966e+00, 9.6770e+00],
               ...,
               [5.4530e+20, 7.9208e+01, 1.5658e+01, 1.7590e+00],
               [1.2276e+19, 1.2452e+02, 1.3729e+01, 4.6829e+00],
               [5.4059e+20, 3.6963e+02, 4.9174e+00, 3.7728e+00]]), dtype=torch.float64)
Target: tensor([[2.3206e+00, 5.7804e-04, 2.3496e-01],
               [5.6766e+00, 3.7403e-03, 2.6838e-01],
               [1.8063e+02, 3.7606e+00, 3.2964e+00],
               [1.0432e+02, 4.2432e-01, 3.5727e+00],
               [2.4382e+00, 1.3067e-03, 1.4123e-01],
               [9.3206e-01, 7.4381e-04, 1.0098e-01],
               [1.3895e+01, 3.8583e-02, 5.6956e-01],
               [2.2358e+01, 9.4402e-03, 9.0262e-01],
               [2.5054e-01, 1.3825e-05, 3.0178e-02],
               [2.8046e+00, 2.6607e-03, 1.6974e-01],
               [2.6656e+01, 3.6049e-02, 1.7560e+00],
               [5.6149e-01, 2.0842e-05, 5.5317e-02],

```

[4.4363e+01, 2.3162e-01, 1.0070e+00],  
[1.3303e+00, 5.6225e-04, 1.1686e-01],  
[3.0621e+00, 3.0330e-03, 2.4361e-01],  
[1.3786e-01, 6.1935e-06, 1.6577e-02],  
[8.1338e-03, 2.0446e-08, 1.3003e-03],  
[2.3275e-01, 2.4133e-06, 2.7530e-02],  
[1.6702e+01, 8.9046e-02, 8.2188e-01],  
[1.0116e-01, 1.0909e-05, 1.2101e-02],  
[2.4108e+02, 8.0082e+00, 3.9096e+00],  
[8.1767e+00, 1.9979e-02, 4.1750e-01],  
[4.8810e+01, 2.7901e-01, 1.3803e+00],  
[6.6673e-02, 4.3654e-06, 9.6979e-03],  
[9.2018e-01, 2.4991e-04, 7.3640e-02],  
[6.1851e+00, 2.5239e-02, 4.6494e-01],  
[1.2776e+02, 3.7632e+00, 3.4682e+00],  
[5.1517e-04, 1.3652e-10, 8.3965e-05],  
[1.6992e+01, 4.9690e-02, 8.7691e-01],  
[1.6424e-01, 8.7939e-06, 1.8554e-02],  
[3.5457e-01, 1.8554e-04, 4.8702e-02],  
[2.9606e+00, 6.1400e-04, 2.2680e-01],  
[2.5393e+01, 1.9602e-02, 1.7165e+00],  
[1.1359e+02, 2.5997e+00, 2.5976e+00],  
[7.4318e-01, 9.9534e-05, 5.7649e-02],  
[1.4082e-01, 2.2931e-06, 1.6945e-02],  
[1.1380e+01, 2.4854e-02, 1.0115e+00],  
[1.2821e+01, 4.3844e-02, 6.1001e-01],  
[2.3304e-01, 1.3461e-05, 2.4987e-02],  
[9.5385e-01, 5.1582e-04, 7.5925e-02],  
[1.8392e-01, 1.0537e-05, 2.2393e-02],  
[9.2033e-03, 3.3728e-08, 1.3894e-03],  
[2.2703e+02, 3.9307e+00, 4.3914e+00],  
[6.6566e-02, 2.2730e-06, 1.0085e-02],  
[3.6874e+01, 2.2502e-01, 9.8976e-01],  
[5.5998e-01, 8.2505e-05, 4.4330e-02],  
[1.6502e+01, 3.6817e-02, 1.5010e+00],  
[5.2866e-01, 9.6699e-05, 6.7956e-02],  
[1.7357e+01, 2.6253e-02, 1.6842e+00],  
[1.2422e+00, 7.3567e-04, 1.3315e-01],  
[5.3466e-02, 1.2590e-06, 7.4962e-03],  
[1.4542e+00, 1.1388e-03, 1.7974e-01],  
[3.8334e+01, 1.7476e-01, 1.0935e+00],  
[2.0663e+02, 4.7759e+00, 4.1373e+00],  
[6.0229e+01, 3.3759e-01, 2.3311e+00],  
[1.5528e+01, 1.9056e-02, 7.5064e-01],  
[4.5580e+01, 2.4961e-01, 1.3142e+00],  
[4.2596e+01, 8.7075e-02, 1.5852e+00],  
[1.3332e+00, 2.9810e-04, 1.2172e-01],  
[6.1058e+01, 8.2837e-01, 2.4323e+00],

[2.1936e-01, 5.1137e-06, 2.9020e-02],  
[4.4142e+01, 8.5053e-01, 2.3913e+00],  
[2.3875e+00, 8.5061e-04, 2.0573e-01],  
[1.3734e+02, 2.4250e-01, 3.2139e+00],  
[3.8232e+00, 9.8959e-04, 3.3059e-01],  
[1.6625e+00, 1.9655e-04, 1.8677e-01],  
[2.5028e+00, 1.2089e-04, 1.5732e-01],  
[4.8141e-01, 7.3783e-06, 5.0140e-02],  
[6.4781e+01, 4.3695e-01, 1.7345e+00],  
[5.8716e+01, 7.6817e-01, 2.3839e+00],  
[1.0155e-01, 8.3497e-06, 1.4349e-02],  
[1.2606e+00, 6.3279e-04, 1.1118e-01],  
[2.4415e+01, 7.5961e-02, 1.3481e+00],  
[4.7570e-02, 1.5062e-06, 7.3843e-03],  
[1.8941e+01, 2.4489e-02, 1.0494e+00],  
[3.8926e+01, 3.4920e-02, 1.1262e+00],  
[6.6693e+00, 6.7416e-03, 5.9085e-01],  
[3.1681e-01, 1.8077e-06, 4.0979e-02],  
[5.7157e+01, 5.0406e-01, 1.5401e+00],  
[2.4431e-02, 3.4372e-07, 3.6323e-03],  
[2.2355e-01, 1.0369e-05, 2.6164e-02],  
[6.6181e-01, 2.6175e-05, 5.2146e-02],  
[2.8677e+01, 1.9552e-01, 1.2847e+00],  
[4.3185e+00, 1.1875e-03, 2.5059e-01],  
[5.6528e+00, 8.5434e-03, 3.2817e-01],  
[2.0652e+01, 1.7436e-03, 6.3199e-01],  
[6.5752e-01, 7.1115e-05, 5.1428e-02],  
[3.9839e+00, 1.1426e-03, 1.8471e-01],  
[1.0941e+00, 4.4292e-04, 1.0225e-01],  
[9.0118e-01, 8.7032e-05, 7.9715e-02],  
[2.0148e+02, 6.5765e+00, 4.5397e+00],  
[2.9867e+01, 8.7565e-02, 2.3501e+00],  
[8.6931e+00, 6.5708e-03, 8.0687e-01],  
[1.4866e-01, 1.0732e-05, 2.2101e-02],  
[3.7261e+00, 2.0928e-03, 2.7757e-01],  
[4.4603e+01, 4.6452e-01, 1.6184e+00],  
[4.0375e-01, 2.2734e-05, 3.2127e-02],  
[1.5072e+02, 3.3712e+00, 3.7684e+00],  
[7.6651e+01, 2.6414e-01, 1.4406e+00],  
[8.7433e+00, 7.8103e-03, 4.3043e-01],  
[1.9564e+02, 2.1800e+00, 4.3931e+00],  
[1.1790e+02, 2.1980e+00, 3.3420e+00],  
[5.0276e+01, 1.0702e-01, 1.3910e+00],  
[5.4779e-01, 9.9079e-05, 6.0700e-02],  
[6.4405e+00, 2.2403e-03, 7.5158e-01],  
[4.3085e+01, 5.9329e-01, 1.6734e+00],  
[3.2305e+01, 1.6423e-02, 1.3946e+00],  
[1.5018e+02, 4.9187e+00, 3.8301e+00],

[9.0123e-02, 5.8316e-06, 1.3247e-02],  
 [1.0815e+01, 2.0183e-03, 3.3707e-01],  
 [4.3090e+00, 1.0910e-02, 4.7517e-01],  
 [6.6980e-01, 4.0051e-05, 5.7549e-02],  
 [9.0919e+00, 1.1349e-02, 3.8375e-01],  
 [3.3291e+01, 6.9609e-02, 1.1445e+00],  
 [2.8791e+00, 9.8137e-04, 1.7483e-01],  
 [1.6395e+01, 7.7684e-02, 6.4629e-01],  
 [1.5211e+02, 2.1675e+00, 4.4768e+00],  
 [1.9104e+00, 9.0526e-04, 1.2217e-01],  
 [3.9731e+00, 2.6760e-03, 4.9082e-01],  
 [1.3352e+00, 3.0401e-04, 1.6491e-01],  
 [1.4838e+02, 4.2384e+00, 3.5829e+00],  
 [8.0951e-01, 2.0130e-04, 7.7094e-02],  
 [2.4945e-02, 5.2281e-07, 3.5662e-03],  
 [5.8757e+01, 5.1822e-01, 2.0827e+00],  
 [8.8232e+00, 4.6848e-03, 6.4936e-01],  
 [4.0174e-02, 9.2207e-07, 6.3042e-03],  
 [2.3974e+00, 1.5353e-03, 1.9044e-01],  
 [6.3084e-02, 3.6001e-07, 8.6952e-03],  
 [2.0701e+02, 4.3043e-01, 3.7314e+00],  
 [8.3678e-01, 3.5394e-05, 5.0311e-02],  
 [4.6022e+00, 2.9511e-03, 3.7432e-01],  
 [2.0596e+02, 6.6820e+00, 4.2637e+00],  
 [1.0012e+01, 1.3780e-02, 4.1323e-01],  
 [3.7313e-03, 2.4018e-09, 5.8445e-04],  
 [1.5393e+01, 2.3632e-03, 6.5364e-01],  
 [1.2969e-01, 1.0554e-05, 1.5758e-02],  
 [1.1936e-02, 5.4518e-08, 1.7791e-03],  
 [1.2095e+02, 1.1453e+00, 3.6201e+00],  
 [8.1723e-01, 1.9639e-04, 8.7005e-02],  
 [3.7664e+00, 4.4712e-03, 3.0569e-01],  
 [4.3988e-01, 2.9890e-05, 3.5350e-02],  
 [1.2707e+00, 2.3154e-04, 1.1472e-01],  
 [8.2863e-01, 1.5581e-04, 1.0307e-01],  
 [1.7040e+01, 9.0345e-03, 6.9172e-01],  
 [7.7638e+00, 9.4003e-03, 3.6689e-01],  
 [1.8894e-01, 2.4373e-05, 2.2923e-02],  
 [2.1300e+02, 1.8596e+00, 4.2758e+00],  
 [1.4245e+02, 7.6556e-01, 3.4892e+00],  
 [1.8679e-01, 1.6500e-05, 2.4291e-02],  
 [3.6997e+00, 4.7007e-03, 2.7559e-01],  
 [8.7935e-01, 4.2837e-04, 6.8624e-02],  
 [9.3977e+01, 8.0845e-01, 1.8319e+00],  
 [1.7302e+02, 2.1848e+00, 2.8460e+00],  
 [6.0334e+01, 1.1458e+00, 1.7552e+00],  
 [1.4675e-01, 1.0997e-05, 1.5688e-02],  
 [1.6323e+00, 1.2875e-04, 1.6131e-01],

[3.8822e+01, 4.6511e-01, 2.6737e+00],  
 [7.6647e-01, 2.9680e-04, 8.2756e-02],  
 [6.2276e+00, 5.9160e-04, 3.8311e-01],  
 [1.2469e+00, 4.7496e-04, 1.0165e-01],  
 [7.1533e-01, 2.0189e-04, 7.1120e-02],  
 [4.2863e+00, 5.8009e-03, 2.3758e-01],  
 [1.2714e+01, 1.8739e-02, 1.2972e+00],  
 [7.1106e-01, 1.4191e-04, 9.0762e-02],  
 [3.1722e-01, 1.5731e-05, 3.6186e-02],  
 [5.6900e+01, 5.5247e-01, 1.3510e+00],  
 [1.5732e+00, 5.8508e-04, 1.0269e-01],  
 [1.5505e-02, 8.3859e-08, 2.3709e-03],  
 [1.6013e+01, 6.0100e-02, 9.3966e-01],  
 [8.7299e+01, 7.4323e-01, 4.1019e+00],  
 [4.7620e-01, 3.5001e-05, 3.7776e-02],  
 [4.1199e-01, 1.2842e-05, 4.4260e-02],  
 [1.2946e+02, 2.0276e+00, 2.3300e+00],  
 [5.5609e+00, 2.8833e-03, 3.7052e-01],  
 [4.5038e-01, 1.1695e-04, 5.9508e-02],  
 [2.2366e+00, 2.1230e-03, 1.9977e-01],  
 [6.1211e-02, 2.7408e-06, 7.9498e-03],  
 [4.8799e-01, 4.8190e-05, 4.9473e-02],  
 [1.0294e-01, 3.9148e-07, 1.2736e-02],  
 [2.7282e+01, 1.3077e-01, 1.8761e+00],  
 [2.5409e-01, 1.1160e-05, 2.2807e-02],  
 [7.0522e-04, 7.8199e-11, 1.1435e-04],  
 [4.0745e+01, 1.3975e-01, 1.1309e+00],  
 [9.3081e+00, 6.9751e-02, 8.9107e-01],  
 [1.6001e+00, 2.0285e-04, 1.7879e-01],  
 [1.2568e-01, 3.9787e-06, 1.6236e-02],  
 [2.9182e-02, 8.7649e-07, 4.4666e-03],  
 [1.5092e+02, 6.8655e+00, 4.1671e+00],  
 [1.2974e+01, 5.9149e-02, 7.4428e-01],  
 [1.5132e+01, 2.2859e-02, 7.2635e-01],  
 [1.7957e+02, 1.1545e+00, 4.1240e+00],  
 [9.6956e-02, 7.8851e-06, 1.2198e-02],  
 [4.4710e+00, 5.8503e-03, 2.6668e-01],  
 [1.3092e+01, 2.8633e-02, 7.0832e-01],  
 [1.8196e+02, 1.1364e+00, 3.8223e+00],  
 [5.8390e-02, 2.2231e-06, 7.4144e-03],  
 [1.8051e+02, 1.6220e+00, 4.0854e+00],  
 [3.1923e+01, 3.7505e-02, 1.9084e+00],  
 [3.5319e-03, 3.1828e-09, 5.5265e-04],  
 [5.9762e+01, 3.2697e-01, 1.7775e+00],  
 [3.6537e+01, 1.1621e-01, 9.7884e-01],  
 [5.4391e-02, 1.9798e-06, 7.3721e-03],  
 [8.2901e+00, 3.8566e-03, 5.4322e-01],  
 [2.6184e+02, 9.6545e+00, 4.5910e+00],

[1.0985e-02, 2.8598e-08, 1.7282e-03],  
[2.4185e+00, 1.1246e-03, 2.1282e-01],  
[1.9987e+01, 1.1458e-01, 7.8241e-01],  
[5.9198e+01, 3.1832e-01, 3.2718e+00],  
[8.6082e+00, 2.1554e-03, 3.8427e-01],  
[6.6612e-02, 1.0348e-06, 9.4046e-03],  
[1.6072e+00, 2.3708e-04, 1.1158e-01],  
[3.6759e-02, 1.2241e-06, 5.4382e-03],  
[4.3259e+01, 2.8607e-01, 2.1363e+00],  
[9.4137e-03, 1.2026e-07, 1.4996e-03],  
[2.3034e-01, 3.3490e-05, 2.9282e-02],  
[9.0547e+01, 5.9646e-01, 3.3899e+00],  
[2.4770e+01, 1.8572e-02, 1.0486e+00],  
[1.6491e+00, 7.9689e-04, 1.1611e-01],  
[6.8972e-01, 2.0461e-05, 7.5377e-02],  
[3.0104e+02, 3.1381e+00, 4.2138e+00],  
[2.3774e+00, 1.2749e-03, 2.1495e-01],  
[1.8410e+00, 7.9894e-04, 1.9085e-01],  
[1.9609e+01, 5.5718e-02, 8.2892e-01],  
[4.3853e+00, 6.8557e-03, 2.6814e-01],  
[3.0084e-02, 1.1118e-07, 4.4473e-03],  
[2.2668e+02, 4.3846e+00, 3.9545e+00],  
[1.4543e+01, 4.9138e-02, 7.3243e-01],  
[5.9565e-01, 5.1027e-05, 6.9312e-02],  
[5.2051e-01, 4.5160e-05, 5.2037e-02],  
[3.1011e-03, 7.1109e-09, 4.9321e-04],  
[2.5582e+01, 1.4305e-02, 8.9747e-01],  
[8.5757e+00, 9.3101e-03, 5.4009e-01],  
[8.4193e+00, 1.0367e-02, 3.5062e-01],  
[4.8457e-01, 1.3479e-04, 4.8849e-02],  
[3.0649e-01, 1.0523e-04, 4.1301e-02],  
[2.6300e+02, 2.6432e+00, 4.3746e+00],  
[8.1262e+00, 8.7938e-03, 4.7547e-01],  
[1.0006e-01, 4.8126e-06, 1.3896e-02],  
[1.3333e-02, 2.7283e-08, 1.9813e-03],  
[9.4164e-03, 1.9694e-08, 1.4122e-03],  
[5.7263e+00, 2.1371e-03, 5.2725e-01],  
[1.3036e-01, 9.0620e-07, 1.5246e-02],  
[3.9836e-01, 4.7908e-05, 4.1244e-02],  
[4.3843e+01, 1.8142e-01, 1.2315e+00],  
[1.2785e+00, 2.0859e-03, 1.7054e-01],  
[2.7161e+01, 9.3789e-02, 7.4693e-01],  
[1.5150e+01, 1.0569e-02, 6.6648e-01],  
[2.5544e+01, 7.5358e-02, 6.4961e-01],  
[9.8909e+01, 2.5523e+00, 2.7007e+00],  
[6.0616e+01, 2.7899e-01, 2.1314e+00],  
[5.5026e-02, 1.5675e-06, 7.2683e-03],  
[3.5475e-01, 8.6116e-05, 3.7247e-02],

[4.0556e+00, 1.2776e-03, 3.4000e-01],  
 [9.4114e+00, 2.1910e-02, 6.2440e-01],  
 [6.3302e+01, 3.0977e-01, 3.6413e+00],  
 [3.2989e-01, 4.0178e-05, 3.6682e-02],  
 [6.1793e+01, 6.0109e-01, 1.3232e+00],  
 [1.5744e-01, 3.9160e-06, 1.9449e-02],  
 [6.3373e+00, 6.3764e-03, 6.5174e-01],  
 [7.6113e-01, 5.4641e-04, 9.0938e-02],  
 [1.4678e-02, 5.8603e-08, 2.1992e-03],  
 [1.6103e+01, 3.4510e-02, 8.7979e-01],  
 [1.2356e+01, 1.1803e-02, 3.6683e-01],  
 [2.6250e-01, 1.8464e-05, 2.5507e-02],  
 [3.5808e+01, 2.9966e-01, 1.0827e+00],  
 [1.5756e+00, 1.5646e-04, 8.3062e-02],  
 [1.4823e+01, 1.4954e-02, 1.0182e+00],  
 [5.2876e+01, 1.9658e-01, 2.0369e+00],  
 [3.2192e+01, 1.1854e-01, 7.3896e-01],  
 [6.8675e-03, 5.7034e-08, 1.0588e-03],  
 [1.1948e-01, 1.8073e-05, 1.7150e-02],  
 [1.2767e-01, 9.8118e-06, 1.5153e-02],  
 [5.9615e-01, 8.3946e-05, 5.5999e-02],  
 [3.5124e-01, 5.8829e-05, 3.3536e-02],  
 [1.2511e+02, 2.4016e+00, 2.3303e+00],  
 [6.8680e+00, 6.9648e-03, 3.2779e-01],  
 [7.4205e+00, 3.3114e-03, 4.8735e-01],  
 [3.1529e-01, 1.7868e-05, 3.3928e-02],  
 [6.3832e+00, 8.3346e-03, 3.3103e-01],  
 [5.1852e+01, 8.6015e-01, 2.2069e+00],  
 [9.0123e+00, 2.5844e-02, 4.0468e-01],  
 [1.2996e+02, 3.3535e+00, 3.7440e+00],  
 [4.0409e-01, 3.1022e-05, 3.3533e-02],  
 [4.5145e+01, 1.0474e-01, 2.6340e+00],  
 [4.0871e+00, 1.6880e-04, 1.9244e-01],  
 [4.1521e+01, 4.5182e-02, 1.0139e+00],  
 [2.1344e+01, 7.5373e-02, 6.8753e-01],  
 [1.1206e+01, 6.3114e-03, 5.8621e-01],  
 [6.5753e+00, 5.8993e-03, 3.5595e-01],  
 [7.9959e-01, 1.7353e-04, 5.9304e-02],  
 [1.6471e+01, 2.6199e-02, 1.4665e+00],  
 [3.1463e+01, 2.7158e-01, 1.3243e+00],  
 [8.7278e+00, 5.9428e-03, 9.1431e-01],  
 [3.8049e-03, 2.1194e-09, 6.1056e-04],  
 [2.0926e+01, 1.6727e-02, 9.5732e-01],  
 [5.7685e-01, 1.3709e-04, 5.5278e-02],  
 [4.4999e-01, 6.4249e-05, 5.2064e-02],  
 [2.6154e+00, 7.9290e-04, 1.7533e-01],  
 [2.3205e+01, 3.2270e-01, 1.3921e+00],  
 [2.4764e-01, 4.7980e-06, 3.3663e-02],

```

[7.4708e+01, 1.4221e-01, 2.9565e+00],
[6.4944e+01, 8.5062e-02, 1.7308e+00],
[1.0790e+00, 1.4270e-04, 1.0832e-01],
[1.4948e+00, 9.4322e-04, 1.3217e-01],
[1.0779e-01, 4.7485e-06, 1.5184e-02],
[1.7524e-02, 5.1664e-07, 2.6917e-03],
[1.8068e+00, 2.2698e-04, 1.2543e-01],
[7.2688e-02, 2.7424e-06, 9.6445e-03],
[9.1204e-01, 2.8024e-04, 6.7642e-02],
[7.2904e-03, 7.5791e-08, 1.1407e-03],
[1.3070e+02, 2.2269e+00, 4.0231e+00],
[5.1252e+00, 9.6895e-03, 4.0969e-01],
[7.9377e+00, 6.6065e-03, 4.3691e-01],
[1.3766e+02, 5.2980e-01, 3.1644e+00],
[1.6648e-01, 1.4952e-05, 1.7300e-02],
[2.8661e+00, 3.7260e-03, 1.9584e-01],
[7.1246e+01, 1.1896e+00, 3.7188e+00],
[5.6650e+00, 5.5139e-03, 6.7519e-01],
[6.2459e-01, 1.5032e-04, 7.3959e-02],
[1.5924e+02, 9.0229e-01, 3.6498e+00]], dtype=torch.float64)
Iteration: 151
Inputs: tensor([[1.9328e+20, 1.6640e+02, 1.8984e+01, 3.5630e+00],
               [4.7695e+18, 4.3557e+02, 3.7455e+00, 5.1565e+00],
               [8.0528e+19, 4.4024e+02, 5.0871e+00, 6.4619e+00],
               ...,
               [6.6343e+20, 4.1000e+02, 1.0228e+01, 9.3437e+00],
               [1.7207e+19, 3.1164e+01, 3.6134e+00, 7.3157e+00],
               [1.8751e+19, 2.8466e+02, 1.3581e+00, 7.4823e+00]], dtype=torch.float64)
Target: tensor([[1.4418e+01, 4.8589e-02, 1.1211e+00],
               [2.8694e+00, 4.8843e-04, 1.5084e-01],
               [5.5418e+01, 2.7746e-01, 1.2748e+00],
               [5.7067e-02, 1.4166e-06, 7.9459e-03],
               [1.7551e+01, 1.0516e-01, 7.9735e-01],
               [7.9042e-01, 8.5869e-05, 8.6763e-02],
               [5.3968e+01, 4.6044e-01, 2.5645e+00],
               [1.2294e+00, 1.2735e-04, 1.0354e-01],
               [1.6007e+02, 4.9774e+00, 3.3031e+00],
               [1.1178e+00, 2.0987e-04, 9.8042e-02],
               [1.8663e-03, 5.2041e-10, 3.0048e-04],
               [1.8206e+02, 1.3576e+00, 2.9789e+00],
               [2.7234e+00, 2.4140e-03, 1.8727e-01],
               [9.1175e+01, 2.6877e+00, 3.1738e+00],
               [8.9504e+00, 1.6976e-02, 8.8021e-01],
               [2.5303e+00, 4.4800e-04, 2.1610e-01],
               [2.4456e+01, 7.4448e-02, 9.2027e-01],
               [5.6231e+00, 6.4811e-03, 2.6064e-01],
               [7.9790e+01, 1.5968e+00, 2.9227e+00],
               [1.3369e+01, 1.0205e-02, 4.9315e-01],

```



[5.5115e-02, 7.3437e-07, 7.5697e-03],  
[1.0138e-02, 2.8341e-08, 1.5941e-03],  
[1.6159e+01, 6.2533e-02, 7.0503e-01],  
[1.5877e-02, 3.5758e-08, 2.3668e-03],  
[5.5929e+01, 2.3135e-01, 1.7957e+00],  
[1.2819e+02, 4.3035e-01, 3.3259e+00],  
[1.1422e-01, 3.2793e-06, 1.4900e-02],  
[6.9717e-01, 1.1377e-04, 6.1088e-02],  
[1.4061e-01, 9.9210e-06, 1.5885e-02],  
[6.8455e+00, 4.7622e-03, 6.2084e-01],  
[8.9913e+00, 3.8420e-03, 3.4652e-01],  
[1.4645e-02, 2.5926e-07, 2.1659e-03],  
[5.6581e+00, 5.8568e-03, 4.1183e-01],  
[1.1209e-01, 8.0259e-06, 1.2719e-02],  
[1.6097e+00, 4.5511e-04, 1.6723e-01],  
[6.6706e+01, 1.5603e-01, 2.1597e+00],  
[1.2695e-01, 1.4809e-05, 1.8377e-02],  
[2.5837e+01, 1.1490e-01, 1.0580e+00],  
[2.2653e+00, 2.6554e-03, 1.9460e-01],  
[1.3838e+01, 4.0286e-02, 6.5391e-01],  
[3.7244e-01, 3.2566e-05, 2.8864e-02],  
[2.7185e+01, 2.2819e-01, 1.5521e+00],  
[2.6060e+01, 1.8276e-02, 8.5161e-01],  
[2.3119e+00, 1.7756e-03, 1.7377e-01],  
[9.6274e-02, 5.7206e-07, 1.1429e-02],  
[2.6298e-02, 4.9354e-08, 3.7623e-03],  
[2.0703e+02, 3.9059e+00, 3.9147e+00],  
[2.7848e+01, 5.5405e-02, 1.2490e+00],  
[2.7989e-02, 4.1307e-07, 3.9587e-03],  
[2.1681e+00, 2.7163e-03, 2.0058e-01],  
[2.2889e+02, 1.5301e+01, 4.8632e+00],  
[5.8862e-02, 1.3012e-06, 8.4697e-03],  
[3.2375e+00, 6.9533e-04, 2.0735e-01],  
[5.3199e+01, 5.6186e-01, 2.2436e+00],  
[8.3314e+01, 9.1513e-01, 1.7000e+00],  
[5.3609e-03, 9.7320e-09, 8.4096e-04],  
[1.6008e+02, 3.4465e+00, 3.4057e+00],  
[1.7381e+01, 6.3742e-02, 6.8187e-01],  
[1.6386e+00, 1.1041e-03, 1.4604e-01],  
[9.9987e+00, 2.8865e-02, 7.9016e-01],  
[3.0402e+01, 6.1816e-02, 2.2230e+00],  
[2.1337e+02, 3.6543e+00, 3.6596e+00],  
[1.4646e+00, 4.7209e-05, 1.1159e-01],  
[4.4834e+00, 6.4704e-03, 3.3815e-01],  
[9.9251e-01, 1.5652e-04, 7.9520e-02],  
[1.4581e+00, 4.6324e-04, 1.0118e-01],  
[8.5235e-03, 1.6975e-08, 1.2860e-03],  
[8.1640e+01, 1.3880e+00, 2.6383e+00],

[1.8168e+00, 1.9548e-04, 1.3026e-01],  
 [1.4461e-03, 4.9785e-10, 2.3261e-04],  
 [3.7584e+01, 9.8645e-02, 1.5174e+00],  
 [2.0584e-01, 1.7648e-05, 2.0964e-02],  
 [1.9816e+01, 8.9935e-03, 9.3430e-01],  
 [1.5727e-03, 2.3066e-10, 2.5428e-04],  
 [4.2043e+00, 2.1664e-03, 3.4106e-01],  
 [1.2940e-01, 1.1461e-06, 1.7566e-02],  
 [7.1065e-02, 1.1596e-06, 8.9910e-03],  
 [1.6581e+01, 2.2303e-02, 1.1559e+00],  
 [4.6469e-01, 1.3106e-04, 5.0615e-02],  
 [2.4668e+01, 8.3032e-02, 1.1817e+00],  
 [1.0095e+02, 2.2082e+00, 4.0968e+00],  
 [1.7367e+01, 9.7575e-02, 8.7628e-01],  
 [2.8822e+01, 5.2901e-02, 1.3516e+00],  
 [1.2663e+01, 7.7617e-02, 9.7913e-01],  
 [1.4931e-01, 1.3089e-06, 1.7190e-02],  
 [2.2140e-02, 9.0816e-08, 3.2409e-03],  
 [3.0815e+01, 2.3179e-01, 1.0329e+00],  
 [1.8876e+01, 6.8896e-02, 5.7881e-01],  
 [9.8295e+01, 1.3201e+00, 2.1285e+00],  
 [3.2460e+01, 3.6796e-01, 2.5050e+00],  
 [3.6870e+00, 3.7435e-03, 2.4170e-01],  
 [5.5298e+00, 2.6818e-04, 2.5984e-01],  
 [2.0037e+02, 1.7693e+00, 4.2010e+00],  
 [1.0985e+00, 1.2451e-03, 1.4243e-01],  
 [2.0431e-01, 3.8596e-06, 2.9090e-02],  
 [8.0560e+01, 1.0673e+00, 2.9778e+00],  
 [1.3678e+00, 2.6396e-04, 7.5121e-02],  
 [7.3016e+00, 1.6225e-02, 5.2197e-01],  
 [2.2459e+01, 3.9401e-02, 7.8977e-01],  
 [4.7042e+00, 6.7074e-04, 2.5575e-01],  
 [1.3462e+01, 4.0328e-03, 6.0976e-01],  
 [1.3317e+02, 8.0638e-01, 4.6297e+00],  
 [3.8047e-02, 1.4576e-07, 5.0906e-03],  
 [6.0082e+01, 6.0051e-01, 2.9321e+00],  
 [3.4196e+00, 4.6420e-03, 2.9274e-01],  
 [2.3956e+01, 4.3862e-02, 1.2462e+00],  
 [4.5461e+00, 2.0827e-03, 3.7670e-01],  
 [9.4988e+00, 9.4078e-03, 3.8977e-01],  
 [2.0723e+00, 8.9421e-04, 1.3590e-01],  
 [1.1610e+02, 2.4102e+00, 3.1820e+00],  
 [1.7575e+00, 1.8840e-03, 1.7528e-01],  
 [1.5260e+00, 4.6893e-04, 9.3758e-02],  
 [1.6411e-02, 6.4363e-08, 2.4419e-03],  
 [9.7101e+01, 4.5872e-01, 4.1127e+00],  
 [2.1145e+00, 2.3951e-03, 1.9269e-01],  
 [3.3023e+00, 3.1991e-03, 3.1516e-01],

[2.3920e+00, 5.2970e-04, 2.0625e-01],  
[2.3773e+01, 6.0915e-02, 9.5648e-01],  
[8.5436e+00, 2.2468e-02, 4.9823e-01],  
[3.3893e-01, 2.4269e-05, 3.3137e-02],  
[9.7833e-01, 2.1567e-04, 7.2943e-02],  
[3.3624e+01, 5.0549e-02, 9.1122e-01],  
[3.2740e+00, 8.8122e-04, 3.0177e-01],  
[2.3229e+01, 1.9255e-01, 1.4535e+00],  
[4.1812e+01, 1.4759e-01, 1.1246e+00],  
[7.0563e+01, 3.5825e-01, 1.8222e+00],  
[1.9402e+00, 6.2605e-04, 2.3626e-01],  
[3.5430e+01, 3.2466e-01, 1.9835e+00],  
[1.5739e+02, 1.8385e+00, 3.7409e+00],  
[1.9115e+01, 2.9813e-02, 6.5616e-01],  
[9.4894e-02, 4.1736e-06, 1.1056e-02],  
[2.5352e+00, 2.4942e-04, 1.8437e-01],  
[7.9183e+00, 5.2045e-03, 4.5047e-01],  
[8.0961e-01, 8.1472e-05, 9.7815e-02],  
[2.2386e+01, 6.4168e-02, 6.5686e-01],  
[1.0156e+00, 8.5560e-05, 6.7550e-02],  
[1.2995e+00, 1.7442e-03, 1.4350e-01],  
[4.6490e-01, 9.1789e-05, 5.9772e-02],  
[9.5015e+01, 4.1196e-01, 2.8865e+00],  
[2.6769e-03, 3.2604e-09, 4.2278e-04],  
[6.6538e+01, 9.9723e-01, 1.8655e+00],  
[2.0365e+00, 2.9491e-04, 1.5445e-01],  
[1.1977e+01, 6.7187e-02, 6.6122e-01],  
[3.8487e+01, 1.5080e-01, 1.4060e+00],  
[4.5541e+01, 5.4219e-01, 2.0699e+00],  
[1.2332e-01, 7.0302e-06, 1.3977e-02],  
[4.3473e+00, 9.3612e-03, 5.2879e-01],  
[3.9081e-01, 3.4094e-05, 5.1066e-02],  
[1.8037e+02, 1.9776e+00, 4.3622e+00],  
[2.6605e-02, 3.9554e-07, 3.9574e-03],  
[8.0959e+01, 7.0988e-01, 2.1205e+00],  
[1.2180e+00, 1.4278e-03, 1.6225e-01],  
[2.6205e+00, 7.8009e-04, 1.7700e-01],  
[7.1187e+01, 1.2401e+00, 1.8260e+00],  
[1.6651e+02, 4.9690e+00, 3.9717e+00],  
[2.1579e-03, 5.0908e-09, 3.4720e-04],  
[2.1873e+00, 1.4254e-03, 1.9807e-01],  
[7.7575e+01, 3.0208e-02, 3.5151e+00],  
[4.1162e-01, 9.4889e-06, 4.5953e-02],  
[6.7270e+00, 2.4877e-03, 2.6893e-01],  
[3.0290e-02, 1.2758e-07, 4.2886e-03],  
[5.8655e-01, 1.0214e-04, 8.2209e-02],  
[2.5577e+00, 2.1121e-03, 1.9528e-01],  
[8.2883e+00, 1.4222e-02, 5.0574e-01],

[2.1380e+00, 3.3537e-05, 1.6291e-01],  
[6.5374e+01, 5.4487e-01, 2.2075e+00],  
[2.9402e+01, 2.6930e-01, 9.9742e-01],  
[6.1651e+00, 4.5926e-03, 5.3526e-01],  
[2.1092e+02, 1.1102e+00, 3.9286e+00],  
[1.2352e+02, 1.8364e+00, 3.5396e+00],  
[3.3360e+01, 2.0456e-01, 2.1926e+00],  
[2.3783e+01, 1.8636e-01, 2.0875e+00],  
[6.3231e+01, 5.1495e-01, 2.3854e+00],  
[9.5371e-02, 5.6004e-06, 1.1416e-02],  
[6.7538e+01, 6.5090e-01, 2.5068e+00],  
[6.0353e-01, 1.5311e-04, 5.6415e-02],  
[6.9758e+01, 9.1391e-02, 1.3440e+00],  
[5.2194e+01, 2.1070e-01, 2.7868e+00],  
[3.5692e+01, 9.1295e-02, 1.0088e+00],  
[1.2915e+02, 3.0249e+00, 4.2503e+00],  
[9.5386e+00, 1.8713e-03, 6.1927e-01],  
[9.1313e-02, 3.6951e-06, 1.3403e-02],  
[1.8605e+00, 3.1406e-04, 1.8505e-01],  
[2.5324e+00, 2.0817e-03, 1.7047e-01],  
[5.5269e-01, 1.7294e-04, 5.9472e-02],  
[2.4112e+00, 1.1513e-03, 1.5351e-01],  
[8.4131e-02, 4.7489e-06, 1.2255e-02],  
[2.1728e+01, 9.0093e-02, 7.3882e-01],  
[1.9366e+00, 2.6443e-04, 2.5336e-01],  
[4.8459e+01, 4.3838e-01, 1.3942e+00],  
[1.2039e+01, 2.0767e-02, 5.3483e-01],  
[1.5083e+00, 4.8666e-04, 1.3437e-01],  
[5.4856e+01, 2.9383e-01, 1.0942e+00],  
[6.3269e+00, 5.4119e-03, 4.5416e-01],  
[7.4481e-01, 7.7969e-05, 9.9025e-02],  
[8.9882e+01, 7.4546e-01, 2.6604e+00],  
[1.0475e+02, 1.0287e+00, 1.8940e+00],  
[7.2665e-01, 6.0572e-04, 9.8623e-02],  
[6.5312e+01, 1.4701e+00, 3.1039e+00],  
[1.2100e+00, 3.8552e-04, 1.2521e-01],  
[4.1981e-01, 7.9760e-05, 4.1343e-02],  
[3.4848e-02, 3.0319e-07, 5.0920e-03],  
[4.1006e+00, 2.8327e-03, 4.1814e-01],  
[2.8275e-03, 1.1733e-08, 4.4663e-04],  
[3.0340e+00, 1.7140e-03, 2.6042e-01],  
[9.9686e+00, 3.0864e-02, 5.1118e-01],  
[1.2129e+00, 4.2645e-04, 1.1906e-01],  
[1.3714e+01, 4.2592e-02, 5.3114e-01],  
[2.3367e+00, 9.4680e-04, 2.7848e-01],  
[3.0205e+00, 1.3969e-03, 1.7268e-01],  
[3.6473e+01, 3.8501e-01, 2.0412e+00],  
[4.3833e+01, 1.9953e-01, 1.6872e+00],

[5.2359e-01, 1.3701e-04, 5.8670e-02],  
 [8.7915e-01, 2.3307e-04, 8.6377e-02],  
 [3.9904e-01, 1.1991e-05, 3.9612e-02],  
 [1.3478e+01, 2.0715e-02, 1.2652e+00],  
 [3.3463e-01, 3.7592e-05, 4.2551e-02],  
 [1.1111e+00, 6.5935e-05, 1.0768e-01],  
 [8.7736e+00, 4.0611e-03, 4.6501e-01],  
 [5.3299e+01, 7.5227e-02, 1.3075e+00],  
 [3.5515e+01, 2.2508e-01, 9.8989e-01],  
 [1.3551e-02, 1.1201e-08, 2.0419e-03],  
 [1.3474e+00, 7.2547e-04, 1.8188e-01],  
 [1.9800e-01, 2.2789e-05, 1.9747e-02],  
 [5.1813e+01, 8.6001e-02, 1.8747e+00],  
 [2.3022e+01, 8.6602e-03, 7.6294e-01],  
 [5.9355e+00, 3.8302e-03, 2.6838e-01],  
 [1.9889e-01, 1.5138e-05, 2.2235e-02],  
 [1.2648e-01, 1.1333e-05, 1.3945e-02],  
 [3.5683e+00, 3.5553e-03, 2.0431e-01],  
 [1.9157e+01, 1.4784e-02, 5.3576e-01],  
 [1.6750e+00, 3.8300e-04, 1.3070e-01],  
 [2.1422e-02, 4.6628e-07, 3.2459e-03],  
 [1.0033e+02, 2.0853e+00, 2.9098e+00],  
 [7.3623e+00, 5.0602e-04, 4.2718e-01],  
 [3.8244e-02, 8.3256e-07, 5.7126e-03],  
 [7.9158e-02, 4.2967e-07, 1.0695e-02],  
 [1.5289e-03, 6.1254e-10, 2.4798e-04],  
 [3.5346e+01, 3.0109e-01, 1.0784e+00],  
 [1.9293e-02, 7.7056e-08, 2.7947e-03],  
 [5.7051e+01, 1.1402e+00, 1.8010e+00],  
 [3.2428e+01, 1.5134e-01, 1.1378e+00],  
 [1.3610e-01, 1.3390e-05, 1.5480e-02],  
 [1.0439e+01, 3.3915e-02, 7.1353e-01],  
 [2.5844e+01, 1.5710e-01, 9.8448e-01],  
 [1.0006e+00, 1.0863e-04, 8.3161e-02],  
 [8.9598e+00, 1.6891e-02, 3.9687e-01],  
 [1.1176e+02, 3.5802e-01, 4.2573e+00],  
 [2.1561e-01, 2.2020e-05, 2.6049e-02],  
 [1.4902e-01, 1.2177e-05, 1.9152e-02],  
 [2.1563e+02, 7.6462e+00, 4.3110e+00],  
 [2.4806e+01, 7.0931e-02, 1.1612e+00],  
 [1.8213e+01, 8.8609e-02, 9.5152e-01],  
 [4.8712e+00, 1.2701e-03, 3.6691e-01],  
 [1.0169e+01, 1.3294e-02, 9.0987e-01],  
 [1.4224e+02, 2.5267e+00, 3.3325e+00],  
 [8.7031e+00, 3.9566e-03, 5.0106e-01],  
 [7.4397e+00, 1.1928e-02, 3.3011e-01],  
 [4.2790e+00, 5.3027e-03, 2.5878e-01],  
 [4.5150e+00, 7.3635e-03, 2.8052e-01],

[3.2388e+00, 1.4266e-03, 1.9522e-01],  
 [5.3210e+01, 9.4868e-01, 1.9883e+00],  
 [2.3472e-02, 6.4700e-07, 3.4581e-03],  
 [8.5991e+01, 3.7057e-01, 2.1859e+00],  
 [3.2974e-01, 6.7913e-05, 3.2931e-02],  
 [4.3310e+00, 2.4711e-03, 3.6700e-01],  
 [9.0920e-01, 3.4835e-04, 7.4652e-02],  
 [4.8953e+00, 5.3418e-03, 3.1695e-01],  
 [3.3615e-01, 2.3558e-05, 3.1769e-02],  
 [3.0280e+01, 1.1485e-01, 1.4087e+00],  
 [9.3473e+00, 5.4469e-03, 2.9032e-01],  
 [1.6415e+01, 2.9768e-02, 1.5740e+00],  
 [1.3735e-02, 2.4970e-08, 2.0405e-03],  
 [4.0741e+01, 6.3254e-01, 1.4991e+00],  
 [8.1087e+01, 4.2703e-01, 3.8810e+00],  
 [1.7240e+02, 7.2426e+00, 4.0704e+00],  
 [9.7542e-02, 1.4438e-05, 1.4331e-02],  
 [1.0684e+01, 3.7711e-02, 5.4286e-01],  
 [1.0315e+01, 1.6240e-02, 1.0410e+00],  
 [5.9165e+01, 6.4725e-01, 2.0641e+00],  
 [6.1915e+01, 1.6012e+00, 3.1004e+00],  
 [6.1351e+01, 1.4507e-01, 1.8662e+00],  
 [6.9979e+01, 6.7896e-01, 2.3814e+00],  
 [1.2869e+00, 1.1360e-04, 1.3934e-01],  
 [1.1545e+02, 3.7401e+00, 2.7663e+00],  
 [1.7260e+02, 5.9058e+00, 4.5657e+00],  
 [8.1122e-01, 1.5894e-04, 7.7322e-02],  
 [1.1586e-02, 1.9030e-08, 1.7883e-03],  
 [1.3944e+01, 1.9478e-02, 4.7666e-01],  
 [1.0922e+02, 7.0870e-01, 4.2093e+00],  
 [4.2051e+00, 1.6545e-03, 2.9920e-01],  
 [5.1193e-01, 1.2060e-04, 5.5574e-02],  
 [1.1227e+01, 5.7548e-02, 1.1305e+00],  
 [4.9381e+00, 3.7079e-03, 2.7780e-01],  
 [6.4921e-01, 2.5745e-05, 4.5838e-02],  
 [2.2985e+01, 8.4424e-02, 1.0043e+00],  
 [1.5660e+00, 2.8816e-04, 8.2365e-02],  
 [2.1131e+01, 8.0580e-02, 1.0607e+00],  
 [2.1019e+02, 4.2989e+00, 3.7868e+00],  
 [1.2309e-01, 6.1395e-06, 1.4027e-02],  
 [9.0626e+01, 6.1011e-01, 1.8308e+00],  
 [4.6757e+01, 2.5886e-01, 1.7379e+00],  
 [1.9590e+01, 5.5458e-02, 9.1177e-01],  
 [1.0418e+00, 6.9104e-05, 8.6208e-02],  
 [2.7775e+00, 2.3766e-03, 1.8697e-01],  
 [1.1240e-01, 3.1557e-06, 1.4030e-02],  
 [1.8647e-01, 1.7663e-06, 2.3276e-02],  
 [1.3661e+01, 1.0819e-01, 8.3069e-01],

```

[2.8373e+01, 8.0586e-02, 1.6399e+00],
[3.5619e+01, 4.6959e-01, 2.5709e+00],
[4.7387e+01, 2.6239e-01, 1.5923e+00],
[1.1075e-03, 1.7254e-10, 1.8009e-04],
[4.7960e-01, 1.6558e-05, 4.5714e-02],
[8.8481e+01, 1.9326e+00, 2.6170e+00],
[4.6144e-01, 8.2330e-05, 4.7863e-02],
[5.6446e+01, 1.3159e-01, 1.7948e+00],
[4.1325e-01, 6.9299e-05, 4.1121e-02],
[2.0520e+02, 8.0651e+00, 4.1228e+00],
[4.8283e-01, 1.0779e-04, 6.1864e-02],
[1.3531e+01, 1.4363e-02, 4.7798e-01]], dtype=torch.float64)
Iteration: 152
Inputs: tensor([[5.0170e+19, 7.5960e+01, 4.8338e+00, 1.2374e+00],
[2.3020e+20, 3.3217e+02, 5.5304e+00, 8.6801e+00],
[2.4846e+19, 2.7519e+01, 6.2891e+00, 3.9691e+00],
...,
[1.8259e+18, 2.1595e+02, 1.8515e+01, 2.8770e+00],
[2.3391e+18, 2.1104e+02, 2.5890e+00, 6.5855e+00],
[2.0001e+18, 3.5668e+02, 1.2746e+01, 1.7864e+00]], dtype=torch.float64)
Target: tensor([[1.7170e+00, 1.3043e-04, 1.9922e-01],
[1.0209e+02, 1.4544e+00, 2.3072e+00],
[2.5932e-01, 2.0981e-05, 3.6591e-02],
[1.1322e-01, 6.8742e-07, 1.5310e-02],
[9.9450e+01, 1.8948e+00, 3.3021e+00],
[8.5505e+01, 6.2109e-01, 2.8225e+00],
[5.4553e+01, 3.4583e-01, 2.4097e+00],
[1.0794e-02, 1.8452e-07, 1.6158e-03],
[6.6294e+01, 4.4293e-01, 2.9617e+00],
[6.1495e-01, 8.7834e-05, 4.8803e-02],
[8.8393e+01, 2.3989e-01, 1.6196e+00],
[1.2337e+02, 1.3848e+00, 3.7686e+00],
[1.4462e+02, 2.3809e+00, 4.0014e+00],
[1.0439e+00, 8.8429e-05, 6.6979e-02],
[4.8493e+01, 3.8129e-01, 1.3167e+00],
[1.4702e+00, 4.9234e-04, 1.2729e-01],
[6.7320e+01, 6.4579e-01, 3.6047e+00],
[2.0412e+02, 9.0250e-01, 4.5317e+00],
[7.9251e+01, 1.3707e+00, 2.1621e+00],
[6.9297e+01, 2.3926e-01, 2.4587e+00],
[7.3261e-01, 4.5069e-04, 9.1901e-02],
[1.8516e-01, 2.7518e-06, 2.2373e-02],
[9.6850e+00, 2.3513e-02, 6.7302e-01],
[5.1031e+00, 6.5396e-03, 2.8189e-01],
[1.1148e+01, 2.6206e-02, 5.4229e-01],
[3.6250e-02, 3.8286e-07, 5.7294e-03],
[1.6930e+01, 1.7313e-03, 5.9380e-01],
[5.7197e+00, 2.0404e-03, 4.4153e-01],

```

[8.5456e-01, 6.2065e-05, 9.0225e-02],  
[8.2105e+01, 1.2735e-01, 2.8226e+00],  
[1.6826e+00, 2.5554e-04, 8.6411e-02],  
[3.9879e+00, 2.4153e-03, 4.5140e-01],  
[8.8990e-01, 3.2034e-04, 8.1377e-02],  
[3.0098e+01, 2.4037e-01, 1.7875e+00],  
[1.8675e+02, 7.0729e+00, 4.4822e+00],  
[6.1695e-02, 4.1421e-06, 8.6942e-03],  
[2.4451e+01, 8.5699e-02, 9.5506e-01],  
[1.2710e+01, 5.0658e-02, 5.3795e-01],  
[1.3884e+01, 2.2651e-02, 8.1609e-01],  
[2.2363e+01, 1.2565e-01, 1.5997e+00],  
[1.2876e+02, 3.3516e-01, 2.4457e+00],  
[1.5740e-01, 6.8843e-06, 2.0355e-02],  
[1.4621e+00, 4.5073e-04, 9.3052e-02],  
[1.5915e+01, 2.7185e-02, 8.1270e-01],  
[8.9469e-01, 3.6190e-04, 1.0591e-01],  
[2.9673e-01, 2.7098e-05, 2.9653e-02],  
[4.5054e-01, 6.0143e-05, 4.1407e-02],  
[4.3942e+01, 4.7630e-01, 1.8565e+00],  
[1.1235e+01, 1.7309e-02, 7.0432e-01],  
[1.5935e+00, 6.3777e-04, 1.0616e-01],  
[2.7048e-02, 3.8812e-07, 4.0110e-03],  
[1.3367e+02, 3.2852e+00, 4.0248e+00],  
[1.4509e+02, 2.2421e+00, 3.5142e+00],  
[6.2978e-02, 8.3413e-07, 9.8965e-03],  
[8.5275e+01, 2.7083e-01, 4.0459e+00],  
[5.3017e-03, 1.2222e-08, 8.2323e-04],  
[7.2740e+00, 3.6549e-02, 5.1696e-01],  
[2.4631e+00, 2.1330e-03, 2.2285e-01],  
[9.5692e-01, 1.3816e-04, 5.7244e-02],  
[2.8255e-01, 3.8451e-05, 2.8487e-02],  
[5.2074e+01, 5.0693e-01, 1.2735e+00],  
[4.2189e+01, 2.0746e-01, 1.4013e+00],  
[3.9170e-01, 1.2984e-05, 4.2962e-02],  
[9.2760e+01, 6.6364e-01, 3.3843e+00],  
[9.9389e+00, 2.6300e-02, 5.1475e-01],  
[1.5938e+01, 1.1212e-03, 5.8243e-01],  
[1.3350e+02, 4.5326e+00, 4.6590e+00],  
[1.8022e-01, 1.0537e-05, 2.6772e-02],  
[1.5958e-01, 2.2921e-05, 1.7820e-02],  
[2.4010e+01, 1.4961e-01, 1.1799e+00],  
[9.0476e+01, 3.1920e-01, 3.6249e+00],  
[1.1228e+01, 3.6205e-02, 8.9220e-01],  
[1.1447e+02, 1.4343e+00, 3.3344e+00],  
[5.9184e-01, 9.6234e-05, 4.6373e-02],  
[7.4776e+00, 1.2987e-02, 4.5737e-01],  
[8.9497e+01, 8.2087e-02, 2.6232e+00],



[2.1701e+00, 2.2934e-04, 1.2942e-01],  
[7.6126e+00, 7.4917e-03, 5.4455e-01],  
[1.7425e+02, 1.0346e+00, 3.0397e+00],  
[2.8538e-02, 5.4739e-07, 4.1609e-03],  
[4.1152e-01, 3.7868e-06, 3.0687e-02],  
[8.8947e+01, 6.2658e-01, 2.4957e+00],  
[4.2721e-01, 2.3241e-05, 4.4349e-02],  
[2.6724e+01, 3.1628e-01, 1.6796e+00],  
[8.6404e-01, 9.0537e-05, 7.5992e-02],  
[1.8900e+01, 4.4939e-02, 1.1435e+00],  
[5.9041e-02, 1.0293e-07, 7.4209e-03],  
[2.5750e+01, 4.7844e-02, 1.3564e+00],  
[6.2477e+01, 5.3032e-01, 1.1968e+00],  
[4.1913e-01, 6.5249e-05, 6.1834e-02],  
[3.1660e-01, 4.8980e-05, 3.4280e-02],  
[3.2648e-03, 1.1184e-08, 5.1488e-04],  
[1.2201e+02, 9.1370e-01, 3.4110e+00],  
[1.3924e+02, 1.7076e+00, 4.6926e+00],  
[9.5721e+01, 1.8994e-01, 3.8176e+00],  
[5.6398e+00, 1.6609e-03, 2.8132e-01],  
[9.7900e+00, 1.3613e-02, 4.5359e-01],  
[4.2021e-02, 1.6404e-07, 6.1396e-03],  
[1.1017e+02, 1.7248e+00, 4.0747e+00],  
[5.0876e-01, 4.7254e-05, 5.1777e-02],  
[7.4039e+01, 5.6317e-01, 2.5236e+00],  
[1.5302e+02, 9.1640e-01, 4.3135e+00],  
[6.2998e+01, 6.5434e-01, 1.5300e+00],  
[6.7870e+01, 6.1948e-01, 2.2029e+00],  
[2.3740e+01, 1.7419e-01, 1.1431e+00],  
[8.5637e+01, 1.5331e+00, 2.2022e+00],  
[5.3636e-01, 1.1461e-04, 6.0924e-02],  
[6.5972e-01, 2.0095e-05, 4.9675e-02],  
[1.5179e+00, 4.4382e-04, 1.9011e-01],  
[6.9726e-02, 5.8199e-07, 9.7130e-03],  
[9.2455e+01, 1.6577e+00, 2.8563e+00],  
[8.9401e+01, 1.2597e+00, 2.1610e+00],  
[1.4587e+01, 1.0631e-01, 1.4591e+00],  
[5.9563e-01, 5.5442e-05, 5.2803e-02],  
[2.4396e+01, 8.6059e-02, 7.3238e-01],  
[1.0411e+01, 5.1556e-02, 7.2261e-01],  
[1.3690e+00, 2.9512e-04, 9.3238e-02],  
[2.6153e-01, 4.4080e-05, 2.5824e-02],  
[8.4002e-02, 2.7747e-06, 1.0542e-02],  
[9.7041e+01, 1.4099e-01, 4.1700e+00],  
[2.6357e+00, 3.7210e-03, 2.4375e-01],  
[5.8684e-01, 4.4022e-05, 6.8800e-02],  
[2.0898e+01, 6.1165e-03, 1.0774e+00],  
[3.0793e+00, 1.1190e-04, 2.1130e-01],

[4.1806e-02, 5.5309e-07, 5.7624e-03],  
[4.4368e-01, 4.1128e-05, 5.5444e-02],  
[5.9347e-01, 4.5596e-05, 5.0098e-02],  
[1.5005e+00, 3.1448e-04, 9.6540e-02],  
[1.1468e+01, 1.4364e-02, 5.8574e-01],  
[2.4856e+02, 2.1245e+00, 4.4410e+00],  
[1.6391e+01, 1.9186e-02, 9.2138e-01],  
[1.2649e+00, 1.2426e-04, 7.9754e-02],  
[1.0793e+02, 3.7426e+00, 4.2882e+00],  
[4.3489e+00, 5.4863e-03, 3.2339e-01],  
[3.0388e+01, 1.4984e-01, 1.0814e+00],  
[6.7619e-02, 2.2661e-06, 9.9131e-03],  
[4.9015e-01, 6.2301e-05, 5.0073e-02],  
[1.6980e-02, 4.5902e-08, 2.5186e-03],  
[9.4088e-01, 8.1936e-04, 1.1539e-01],  
[2.7617e-03, 1.3310e-09, 4.3988e-04],  
[3.3484e+00, 3.7465e-03, 2.3438e-01],  
[2.7072e+01, 2.0286e-01, 1.0678e+00],  
[2.1513e+00, 2.6344e-03, 2.2725e-01],  
[8.0746e-01, 1.8650e-04, 6.8397e-02],  
[1.2949e+01, 2.7067e-02, 8.0473e-01],  
[9.8455e-01, 3.0646e-04, 6.7919e-02],  
[1.2078e+01, 7.1375e-03, 1.0785e+00],  
[3.4206e-03, 1.9160e-09, 5.5048e-04],  
[6.0933e-01, 1.8725e-04, 7.2555e-02],  
[1.7908e-01, 2.1385e-05, 2.5696e-02],  
[8.5841e+01, 1.3937e+00, 2.3621e+00],  
[3.0784e+02, 6.6409e+00, 4.9812e+00],  
[8.7341e+01, 1.5030e+00, 2.1464e+00],  
[2.4048e+01, 8.9451e-02, 1.5414e+00],  
[8.5703e-01, 2.0511e-04, 8.6881e-02],  
[1.5841e+02, 1.6436e+00, 3.7380e+00],  
[1.1472e+02, 1.0495e+00, 2.0364e+00],  
[1.0316e-01, 4.9391e-06, 1.2207e-02],  
[7.1591e+00, 2.1593e-02, 8.2326e-01],  
[1.3875e+02, 4.0237e+00, 4.4739e+00],  
[1.5662e+00, 2.5439e-04, 1.1252e-01],  
[1.1971e+01, 5.7416e-03, 6.6428e-01],  
[8.0353e+00, 1.1047e-02, 4.0091e-01],  
[8.6308e-01, 1.4630e-04, 8.2269e-02],  
[2.4573e+00, 2.7484e-03, 2.2446e-01],  
[3.0558e-01, 5.2971e-05, 4.1339e-02],  
[8.0176e-02, 2.5462e-06, 1.1761e-02],  
[2.2164e+01, 1.4663e-02, 1.4049e+00],  
[4.1754e+01, 4.1702e-01, 1.7418e+00],  
[1.7692e+00, 2.0240e-04, 1.4902e-01],  
[9.2439e+01, 1.1451e+00, 3.6062e+00],  
[7.4460e+01, 9.3588e-01, 2.5996e+00],

[1.0995e+01, 1.6879e-02, 8.8051e-01],  
[7.8766e+01, 1.9050e+00, 2.4625e+00],  
[3.9668e+01, 2.3358e-01, 1.5604e+00],  
[2.4200e+01, 1.4288e-01, 7.8240e-01],  
[9.5026e-02, 4.6773e-07, 1.1145e-02],  
[9.8026e-01, 4.2172e-04, 7.7757e-02],  
[1.2090e-02, 8.2528e-08, 1.8074e-03],  
[6.8182e+01, 8.4734e-01, 1.6494e+00],  
[4.4616e+01, 2.7308e-01, 2.1248e+00],  
[5.1823e+00, 2.3633e-03, 4.8188e-01],  
[1.9279e+01, 7.2205e-02, 1.1695e+00],  
[1.4841e+01, 5.1918e-02, 6.6444e-01],  
[5.3342e+00, 1.1325e-02, 4.4183e-01],  
[3.9953e-02, 1.5346e-06, 5.6411e-03],  
[2.9584e-02, 1.2121e-06, 4.3700e-03],  
[9.6858e+01, 9.7893e-01, 2.5317e+00],  
[3.1305e+01, 1.8484e-01, 1.8919e+00],  
[2.3992e+01, 9.0938e-02, 7.5508e-01],  
[7.6103e+00, 3.7917e-03, 4.7549e-01],  
[1.5300e+02, 6.8629e+00, 3.6630e+00],  
[2.8952e-01, 5.8668e-05, 3.9973e-02],  
[3.4300e+00, 1.4205e-03, 2.0000e-01],  
[7.6969e+00, 2.8824e-02, 8.4049e-01],  
[2.7668e+00, 5.6336e-03, 2.6395e-01],  
[1.3236e+01, 2.7369e-02, 8.4565e-01],  
[2.4686e+02, 7.5494e+00, 5.0649e+00],  
[2.4900e-01, 3.0229e-05, 2.8556e-02],  
[3.2088e+01, 3.1221e-01, 1.6456e+00],  
[1.3212e+00, 3.3454e-04, 1.5613e-01],  
[6.5685e-01, 2.2806e-04, 6.8407e-02],  
[5.5751e+00, 9.2787e-04, 3.6004e-01],  
[1.3240e-02, 1.1473e-08, 1.9767e-03],  
[3.6106e+01, 1.7290e-01, 1.2449e+00],  
[1.7438e+02, 2.0454e+00, 3.6789e+00],  
[5.9618e+01, 5.9290e-01, 1.9546e+00],  
[3.0945e+00, 2.6376e-03, 3.4118e-01],  
[9.6659e+01, 1.6039e-01, 2.1227e+00],  
[6.4703e+00, 7.0348e-03, 4.9873e-01],  
[2.0286e+02, 3.1059e+00, 4.2603e+00],  
[7.4444e-01, 4.3252e-05, 7.8417e-02],  
[2.5606e+02, 4.9746e+00, 4.3314e+00],  
[4.8428e-01, 2.4256e-05, 4.6818e-02],  
[5.6504e-02, 4.2015e-06, 8.0552e-03],  
[6.6659e-02, 5.8516e-07, 9.5339e-03],  
[8.8050e-01, 6.0868e-04, 9.0904e-02],  
[1.5134e+02, 7.4551e+00, 4.0784e+00],  
[2.5820e+00, 6.0213e-04, 2.6259e-01],  
[3.5824e-01, 3.0438e-05, 3.0181e-02],

[6.0779e+00, 5.2696e-04, 3.5771e-01],  
 [1.0842e-01, 1.0031e-05, 1.2175e-02],  
 [2.8657e+01, 4.5446e-03, 9.6343e-01],  
 [5.0094e+01, 7.3487e-01, 1.4937e+00],  
 [3.6720e-02, 5.8359e-07, 5.2126e-03],  
 [1.0766e-01, 1.1844e-05, 1.4881e-02],  
 [3.6975e-02, 8.5261e-07, 4.9423e-03],  
 [1.4219e-02, 1.0486e-07, 2.1974e-03],  
 [8.3329e-01, 1.2770e-04, 7.4211e-02],  
 [2.1659e-01, 2.6897e-05, 2.8388e-02],  
 [2.0914e+01, 1.8466e-01, 9.6021e-01],  
 [5.8953e+00, 1.9972e-02, 5.1471e-01],  
 [6.3827e-01, 5.2376e-05, 5.7645e-02],  
 [1.2434e+02, 8.7379e-01, 4.5483e+00],  
 [2.1347e+01, 9.7528e-03, 7.5240e-01],  
 [1.1617e-03, 5.6125e-10, 1.8689e-04],  
 [4.3435e+00, 1.0330e-02, 3.7137e-01],  
 [2.2126e+00, 8.5183e-04, 1.8839e-01],  
 [3.8720e+01, 1.2865e-01, 1.4190e+00],  
 [2.9152e+01, 1.0317e-01, 1.1337e+00],  
 [1.8151e+00, 6.1286e-04, 1.2449e-01],  
 [4.9140e+01, 3.4526e-01, 2.5294e+00],  
 [1.0498e-02, 1.8848e-08, 1.5769e-03],  
 [3.2270e+01, 1.1608e-01, 1.5698e+00],  
 [8.6721e-01, 1.0709e-04, 1.0182e-01],  
 [1.7579e+00, 7.8954e-06, 1.0719e-01],  
 [1.4611e+00, 2.1958e-04, 1.3731e-01],  
 [1.0285e+01, 1.9003e-02, 5.6982e-01],  
 [5.4980e-01, 1.1336e-04, 4.3494e-02],  
 [7.3840e-02, 2.9138e-06, 9.5363e-03],  
 [2.9606e+01, 1.2235e-01, 1.1859e+00],  
 [8.1842e-01, 1.9882e-04, 8.1961e-02],  
 [3.4791e+01, 9.1007e-02, 9.9108e-01],  
 [8.7952e+01, 1.0065e+00, 3.1687e+00],  
 [8.2277e+00, 9.5783e-03, 3.5197e-01],  
 [4.9974e-01, 1.2285e-04, 5.0902e-02],  
 [3.0181e+01, 2.1731e-01, 9.9418e-01],  
 [2.0552e+02, 1.1637e+01, 4.6481e+00],  
 [1.7765e+01, 3.5714e-02, 1.4792e+00],  
 [5.8398e+00, 5.2756e-03, 4.8627e-01],  
 [1.0444e+02, 9.0845e-01, 3.9678e+00],  
 [6.0057e+01, 2.0582e-01, 1.2756e+00],  
 [1.0917e+00, 1.2661e-03, 1.5094e-01],  
 [1.5734e+00, 6.2305e-04, 1.6354e-01],  
 [4.4283e+01, 5.8465e-01, 1.9578e+00],  
 [5.4384e-02, 1.8155e-06, 7.0713e-03],  
 [1.9174e+00, 6.3958e-04, 1.1944e-01],  
 [1.0060e+02, 1.2278e+00, 2.3427e+00],

[3.2480e-01, 1.0167e-05, 2.7747e-02],  
[1.2696e+00, 8.2439e-05, 1.0954e-01],  
[8.4108e+01, 1.2845e+00, 2.2096e+00],  
[4.6111e+00, 1.9976e-03, 3.8303e-01],  
[1.4991e+01, 6.2627e-02, 7.1171e-01],  
[3.6060e-01, 2.3965e-05, 3.3896e-02],  
[1.7642e+01, 2.5563e-02, 9.8346e-01],  
[2.7171e+00, 1.0367e-03, 1.3839e-01],  
[1.2496e-01, 5.6696e-06, 1.7837e-02],  
[1.1370e+02, 2.4741e+00, 2.7257e+00],  
[1.4010e+00, 6.8826e-04, 1.2405e-01],  
[2.1197e+02, 2.6976e+00, 3.7068e+00],  
[9.8175e+00, 2.1037e-02, 4.9540e-01],  
[2.4987e-01, 1.2440e-05, 2.5724e-02],  
[6.7222e+01, 9.6089e-01, 2.1233e+00],  
[3.9237e+01, 4.4880e-01, 1.8827e+00],  
[2.4684e-01, 2.6019e-06, 2.5572e-02],  
[1.2371e+00, 3.7505e-04, 1.5173e-01],  
[2.5369e-01, 2.4683e-05, 2.8811e-02],  
[3.0805e-02, 2.4253e-07, 4.4901e-03],  
[8.9556e+01, 6.5662e-01, 1.9553e+00],  
[1.6823e+01, 1.6169e-01, 1.2460e+00],  
[5.1935e-01, 8.7270e-05, 5.0505e-02],  
[5.9884e-02, 6.3438e-07, 7.7172e-03],  
[5.3874e-01, 5.1743e-05, 6.2002e-02],  
[8.8859e+00, 2.0759e-02, 4.8662e-01],  
[2.6083e+01, 7.2758e-02, 8.1101e-01],  
[2.6590e-02, 5.5829e-07, 3.7321e-03],  
[2.1394e+02, 9.4625e+00, 4.7988e+00],  
[1.5592e+02, 3.0025e+00, 4.2366e+00],  
[7.4179e+00, 1.2797e-02, 4.0514e-01],  
[8.8114e+00, 3.1325e-02, 5.6249e-01],  
[4.6638e-01, 9.7345e-05, 3.9318e-02],  
[5.7188e-01, 3.5508e-05, 6.5723e-02],  
[6.3378e-03, 1.3908e-08, 9.6882e-04],  
[1.5008e+01, 3.2031e-02, 9.2504e-01],  
[9.3656e-01, 5.5541e-04, 9.3877e-02],  
[7.9016e-02, 2.1828e-06, 9.7211e-03],  
[3.7370e+00, 9.7140e-04, 3.4468e-01],  
[1.0160e+02, 1.9370e-01, 2.7158e+00],  
[9.7472e+00, 1.5384e-02, 3.7584e-01],  
[8.1924e-03, 1.3511e-08, 1.2721e-03],  
[5.3404e+00, 4.2405e-03, 2.2496e-01],  
[2.2712e+01, 1.0852e-01, 8.3256e-01],  
[2.0894e+00, 2.2500e-03, 1.8951e-01],  
[6.2606e-02, 1.1342e-06, 9.2597e-03],  
[3.8318e-01, 6.1490e-05, 3.2904e-02],  
[1.1334e+00, 2.6786e-04, 8.9263e-02],

```

[6.4069e+01, 1.7991e-01, 2.1603e+00],
[2.1582e-02, 1.7380e-07, 3.1708e-03],
[5.6923e-01, 4.4650e-05, 4.9365e-02],
[5.6183e-02, 4.1498e-07, 7.6675e-03]], dtype=torch.float64)
Iteration: 153
Inputs: tensor([[1.8196e+19, 1.5347e+02, 1.5965e+01, 8.8565e+00],
[1.9618e+19, 3.5406e+02, 9.9439e-01, 3.5624e+00],
[1.7441e+19, 3.8999e+02, 1.3456e+01, 8.0053e+00],
...,
[1.0670e+20, 4.8414e+02, 1.5352e+01, 9.2440e+00],
[7.2330e+19, 4.5183e+02, 6.0488e+00, 9.9794e+00],
[9.1918e+19, 4.3862e+02, 1.9594e+01, 1.2163e+00]], dtype=torch.float64)
Target: tensor([[2.7415e+00, 4.6149e-03, 2.3495e-01],
[1.5851e+01, 4.5756e-03, 5.0573e-01],
[8.2564e+00, 1.6870e-02, 4.0112e-01],
[1.6550e+02, 1.1252e+00, 3.3926e+00],
[1.6563e+02, 2.0309e+00, 3.8519e+00],
[1.5849e+01, 3.8470e-02, 1.1590e+00],
[6.8573e+01, 5.5484e-01, 2.4323e+00],
[2.3949e-01, 3.5644e-06, 3.0900e-02],
[3.8611e-01, 1.8640e-05, 4.3911e-02],
[6.7456e+00, 4.3756e-02, 7.5876e-01],
[9.0748e+00, 2.0035e-03, 3.4256e-01],
[5.6707e-02, 1.2276e-06, 8.5754e-03],
[2.2221e-02, 4.9960e-07, 3.1934e-03],
[8.8718e-02, 1.7909e-06, 1.2223e-02],
[1.6647e+00, 9.6743e-04, 1.0781e-01],
[2.6275e+00, 3.9172e-03, 3.0373e-01],
[2.0744e+01, 6.5424e-02, 6.2995e-01],
[1.5938e+00, 5.7090e-04, 1.8905e-01],
[4.7137e+01, 6.5692e-01, 2.7888e+00],
[1.2645e+02, 1.0083e+00, 4.2787e+00],
[2.2723e+01, 7.8016e-02, 7.1116e-01],
[3.4816e+01, 5.1672e-02, 1.4178e+00],
[2.0150e-01, 8.0988e-06, 2.2442e-02],
[4.2838e+00, 1.6081e-03, 1.7607e-01],
[6.1152e+01, 5.4852e-02, 1.5920e+00],
[2.1358e+00, 2.3621e-04, 1.5484e-01],
[5.3388e+00, 9.6761e-03, 2.8664e-01],
[1.2327e+01, 2.5999e-02, 9.8851e-01],
[5.8511e-02, 4.0970e-07, 7.7671e-03],
[3.1485e+01, 7.5150e-02, 9.5460e-01],
[1.8392e-01, 2.0923e-05, 2.3006e-02],
[8.6069e+01, 6.0608e-01, 3.0968e+00],
[1.6080e+00, 4.5159e-04, 1.2063e-01],
[4.3537e+00, 2.7007e-03, 2.4097e-01],
[6.3588e+00, 5.3568e-03, 6.7664e-01],
[1.1004e+02, 2.4458e+00, 2.6110e+00],

```

[5.7916e+00, 7.1487e-03, 3.9901e-01],  
[8.4809e+00, 1.7492e-02, 6.5463e-01],  
[4.7901e-01, 1.5036e-04, 5.2481e-02],  
[1.1947e-01, 1.2510e-05, 1.3744e-02],  
[1.2238e+00, 8.8699e-04, 1.2372e-01],  
[1.2824e+02, 1.5613e+00, 3.9075e+00],  
[2.8614e+00, 5.2767e-03, 2.6633e-01],  
[1.8612e+02, 3.4973e+00, 3.3827e+00],  
[6.3194e+01, 1.9519e-01, 2.3477e+00],  
[1.7925e+00, 5.1776e-04, 1.1845e-01],  
[8.5446e-01, 2.2647e-04, 9.2058e-02],  
[2.2445e-04, 1.7914e-11, 3.6938e-05],  
[2.6822e-01, 2.2696e-05, 2.5005e-02],  
[1.3762e+01, 1.4611e-02, 5.5590e-01],  
[1.8725e+01, 2.5802e-02, 6.3611e-01],  
[5.0597e+01, 1.3963e-01, 1.9570e+00],  
[1.9114e+00, 1.5326e-03, 1.6350e-01],  
[1.0417e+02, 1.8581e+00, 3.4834e+00],  
[2.5308e+01, 6.6296e-02, 1.6163e+00],  
[2.0955e+02, 5.3783e+00, 4.0910e+00],  
[1.7436e+01, 4.9112e-02, 5.8614e-01],  
[9.6623e+01, 1.0862e+00, 3.3538e+00],  
[4.0159e-02, 4.5565e-07, 5.4366e-03],  
[1.0493e+02, 4.1191e-01, 4.1414e+00],  
[3.6187e-01, 2.9720e-05, 4.1288e-02],  
[2.0445e+00, 6.7214e-04, 1.2257e-01],  
[5.6680e+00, 1.7398e-02, 4.5834e-01],  
[1.9310e+01, 4.6362e-02, 1.5477e+00],  
[8.5551e-01, 2.2342e-04, 9.0144e-02],  
[9.8320e+01, 2.1057e-01, 3.2042e+00],  
[7.5794e+01, 1.7758e-01, 2.3306e+00],  
[7.0995e+01, 6.9718e-01, 1.6935e+00],  
[3.5676e+00, 1.0449e-02, 3.2517e-01],  
[3.2863e+00, 8.5597e-03, 3.7313e-01],  
[5.3682e+00, 3.4943e-03, 2.1771e-01],  
[7.7011e+00, 4.9932e-03, 7.9412e-01],  
[2.6827e+01, 1.7046e-01, 8.0859e-01],  
[1.4918e+01, 1.4519e-01, 1.3523e+00],  
[1.2954e+00, 1.4184e-03, 1.2806e-01],  
[7.6381e+01, 7.7165e-01, 2.4352e+00],  
[3.4892e+00, 3.9198e-03, 2.6059e-01],  
[2.4420e+01, 2.8175e-02, 1.1683e+00],  
[8.6162e+00, 9.8185e-03, 3.5175e-01],  
[2.2467e+01, 3.5895e-02, 1.7209e+00],  
[6.9839e+00, 1.7965e-03, 3.0193e-01],  
[4.6915e+01, 1.5176e-01, 2.6410e+00],  
[8.5361e+01, 1.2377e+00, 2.0504e+00],  
[5.2850e+01, 5.2051e-01, 2.2361e+00],

[4.0449e+00, 3.7093e-03, 2.8645e-01],  
 [6.7990e+00, 2.7530e-03, 5.3724e-01],  
 [1.4693e+02, 3.1829e+00, 3.0951e+00],  
 [1.8688e-01, 2.2422e-05, 1.9816e-02],  
 [6.1669e+00, 4.1992e-03, 3.7678e-01],  
 [3.5603e+01, 3.9390e-01, 1.5703e+00],  
 [4.7812e+01, 1.9672e-01, 1.5718e+00],  
 [2.5296e+01, 4.9082e-01, 1.9742e+00],  
 [8.5145e+00, 2.3919e-02, 4.4658e-01],  
 [1.4521e+01, 2.0780e-01, 1.4999e+00],  
 [5.3125e+01, 6.9418e-02, 1.5314e+00],  
 [6.7182e+01, 3.5352e-01, 2.0384e+00],  
 [6.7243e+00, 1.3337e-02, 7.8539e-01],  
 [2.0114e+01, 1.2235e-02, 8.4855e-01],  
 [9.9749e+01, 1.8739e+00, 2.7274e+00],  
 [2.2378e-03, 9.5048e-10, 3.5808e-04],  
 [5.5739e-02, 2.3558e-06, 7.5367e-03],  
 [1.0514e-01, 6.8542e-06, 1.2452e-02],  
 [6.5950e-03, 5.0281e-08, 1.0265e-03],  
 [1.2715e+02, 4.0747e+00, 4.2794e+00],  
 [1.4691e+01, 6.1125e-02, 5.7570e-01],  
 [4.6449e-01, 4.3953e-05, 4.5724e-02],  
 [4.6925e+01, 4.3125e-01, 1.1064e+00],  
 [1.1003e-03, 3.1315e-10, 1.7820e-04],  
 [5.0728e-01, 1.0217e-04, 6.2740e-02],  
 [4.8281e+01, 2.6585e-01, 1.5113e+00],  
 [7.3377e-03, 1.2370e-08, 1.1487e-03],  
 [2.8588e-02, 1.5794e-07, 4.2363e-03],  
 [2.1422e+01, 1.3603e-01, 7.8330e-01],  
 [1.6189e+01, 9.4184e-03, 1.2943e+00],  
 [1.3347e+00, 2.4364e-04, 8.6795e-02],  
 [2.0027e+00, 1.0265e-03, 1.1932e-01],  
 [3.2091e+01, 2.3657e-01, 1.2149e+00],  
 [3.4390e+00, 3.1998e-03, 1.9651e-01],  
 [3.2053e+01, 2.2557e-02, 1.8840e+00],  
 [9.5074e+01, 2.5317e-01, 3.4071e+00],  
 [4.7964e-01, 4.1448e-05, 4.2442e-02],  
 [4.4068e+00, 1.9457e-03, 4.0129e-01],  
 [1.2262e-01, 3.4665e-07, 1.5665e-02],  
 [2.1392e+01, 3.7027e-01, 1.8515e+00],  
 [1.6895e+02, 2.9293e+00, 3.8168e+00],  
 [4.0683e+00, 7.2914e-03, 2.8781e-01],  
 [2.3995e+01, 5.6504e-02, 5.8821e-01],  
 [3.7842e+01, 4.4770e-01, 1.7291e+00],  
 [1.9554e+01, 8.5244e-02, 1.2404e+00],  
 [9.3507e+01, 1.2528e+00, 2.8870e+00],  
 [1.4428e+00, 2.4230e-04, 9.6815e-02],  
 [7.4498e-01, 1.5760e-04, 6.6330e-02],



[1.0138e+01, 3.3623e-02, 5.8791e-01],  
[3.2479e-01, 1.4577e-05, 4.3778e-02],  
[2.8676e-03, 8.9628e-09, 4.5184e-04],  
[9.4572e+00, 8.2710e-02, 8.1209e-01],  
[1.4050e+02, 1.2179e-01, 4.4687e+00],  
[4.2740e-01, 2.7882e-05, 3.3115e-02],  
[3.4568e-01, 2.2158e-05, 2.9239e-02],  
[5.8750e-01, 1.0008e-04, 6.2385e-02],  
[1.7435e+01, 2.1535e-02, 7.3905e-01],  
[1.7874e+01, 1.5795e-02, 5.4393e-01],  
[2.2550e+00, 2.2565e-03, 2.2272e-01],  
[1.6473e+00, 2.0856e-03, 1.4992e-01],  
[1.9424e+00, 1.1524e-04, 1.3712e-01],  
[2.8176e-01, 1.0757e-05, 3.2002e-02],  
[1.1180e+02, 2.1450e+00, 2.8355e+00],  
[1.5091e+02, 7.9073e-01, 3.5657e+00],  
[1.4697e-02, 2.9392e-07, 2.2596e-03],  
[9.2841e+00, 2.2353e-02, 7.6529e-01],  
[1.7641e+02, 1.2882e+00, 4.0356e+00],  
[4.0131e+01, 2.4221e-01, 1.7188e+00],  
[3.3856e+01, 1.2138e-01, 2.6330e+00],  
[2.6088e+02, 1.0409e+01, 4.8045e+00],  
[1.1492e+00, 3.8813e-05, 7.8741e-02],  
[1.4464e+01, 3.8516e-02, 8.2156e-01],  
[1.0637e+01, 1.6180e-02, 4.7991e-01],  
[3.9855e+00, 8.0838e-04, 2.2546e-01],  
[2.1135e+01, 1.1133e-01, 8.7619e-01],  
[3.4420e+00, 3.6997e-04, 2.9255e-01],  
[4.6324e-01, 9.6796e-05, 4.2610e-02],  
[3.7748e+01, 4.4608e-01, 1.3978e+00],  
[3.7315e-01, 1.6061e-05, 4.2290e-02],  
[1.2313e+00, 2.1360e-04, 1.5077e-01],  
[4.9043e+01, 1.0184e+00, 2.2424e+00],  
[7.2255e+01, 3.9868e-01, 1.8409e+00],  
[3.5642e+01, 2.7892e-01, 2.0142e+00],  
[4.3009e+01, 3.2274e-01, 1.3469e+00],  
[3.4618e-01, 1.5141e-05, 4.4686e-02],  
[4.1995e-02, 2.2187e-07, 5.8086e-03],  
[6.5210e-02, 7.2864e-07, 8.9944e-03],  
[3.8260e+01, 2.3070e-01, 1.5762e+00],  
[7.6415e-02, 7.1916e-07, 1.0230e-02],  
[5.8170e+00, 4.9045e-03, 3.6042e-01],  
[7.5276e+00, 1.1581e-02, 3.8044e-01],  
[6.7703e+01, 1.1971e-01, 1.4347e+00],  
[9.8248e+01, 2.7392e-01, 2.8350e+00],  
[4.3815e+00, 5.8944e-03, 2.4227e-01],  
[2.6072e+01, 2.1246e-02, 8.9356e-01],  
[6.7021e+00, 5.3316e-03, 4.1438e-01],

[3.2857e+00, 1.6745e-03, 3.9454e-01],  
[4.0035e-02, 5.5085e-07, 5.4388e-03],  
[2.4510e-01, 4.2575e-05, 3.0672e-02],  
[8.4353e-03, 5.0807e-08, 1.3130e-03],  
[2.6825e+00, 3.9253e-04, 2.0922e-01],  
[6.8681e+01, 4.9502e-01, 1.4506e+00],  
[3.6165e+01, 3.3481e-01, 2.0015e+00],  
[1.3972e-01, 6.8750e-06, 2.0473e-02],  
[4.2943e+01, 3.0883e-01, 1.9867e+00],  
[2.6451e+00, 3.0364e-03, 2.4452e-01],  
[1.2405e+00, 3.5109e-04, 1.1302e-01],  
[1.0280e+02, 2.1285e+00, 3.0301e+00],  
[7.5497e-03, 1.3185e-08, 1.1486e-03],  
[2.2210e+01, 5.0664e-02, 1.7034e+00],  
[2.9866e+01, 9.0943e-02, 7.9603e-01],  
[4.0295e+01, 7.5793e-02, 1.7153e+00],  
[2.0899e+02, 7.1614e+00, 3.5691e+00],  
[2.6145e+00, 5.7749e-03, 3.1491e-01],  
[3.4897e+00, 5.5365e-03, 2.3457e-01],  
[2.0279e-01, 5.0867e-06, 2.5486e-02],  
[1.8708e+01, 3.3984e-02, 7.1811e-01],  
[1.0675e-02, 7.3786e-08, 1.6998e-03],  
[1.4001e+01, 5.9145e-03, 7.9201e-01],  
[5.3647e+01, 2.5960e-01, 2.6181e+00],  
[2.1540e+01, 2.2833e-02, 9.4396e-01],  
[8.1818e+00, 1.6497e-02, 6.1718e-01],  
[2.2222e+00, 1.0485e-03, 2.0065e-01],  
[1.6292e-02, 2.0084e-08, 2.4768e-03],  
[7.6697e+01, 1.0091e+00, 1.6650e+00],  
[6.2753e+00, 5.0973e-03, 6.2082e-01],  
[2.7025e-01, 2.4388e-05, 3.0928e-02],  
[1.3517e-02, 1.6514e-07, 2.0024e-03],  
[1.8636e-01, 1.4093e-05, 2.0594e-02],  
[2.2450e+01, 1.0548e-01, 9.3303e-01],  
[2.0464e+01, 1.3724e-01, 8.4719e-01],  
[9.1697e-03, 1.5488e-07, 1.4472e-03],  
[3.5227e+01, 6.6264e-01, 2.5392e+00],  
[4.2105e+01, 8.3793e-02, 2.5183e+00],  
[1.0124e+00, 5.8857e-04, 8.3496e-02],  
[4.7054e+01, 8.8865e-01, 2.1777e+00],  
[8.4173e+01, 1.3437e+00, 2.1374e+00],  
[2.6793e+01, 5.0269e-02, 2.1257e+00],  
[8.9578e+00, 2.3096e-02, 4.2329e-01],  
[6.9316e+00, 1.5527e-03, 3.3772e-01],  
[1.3017e-02, 2.0793e-07, 2.0134e-03],  
[8.6304e+00, 7.7593e-03, 3.4282e-01],  
[3.0883e-01, 4.9530e-05, 3.8353e-02],  
[1.2319e+00, 4.1094e-04, 8.1514e-02],

[2.1692e+01, 6.4939e-02, 1.5142e+00],  
[1.6566e+01, 1.4602e-01, 1.0657e+00],  
[3.4831e-01, 2.9311e-05, 3.0434e-02],  
[5.7004e-02, 2.9255e-06, 8.0342e-03],  
[2.2567e+01, 9.9154e-02, 9.8137e-01],  
[7.5291e+01, 7.6887e-01, 2.0691e+00],  
[4.8804e+01, 5.4623e-02, 1.1618e+00],  
[5.9068e-01, 1.4753e-04, 5.6388e-02],  
[4.1814e-02, 2.8717e-07, 6.2525e-03],  
[4.2785e+01, 3.7483e-01, 2.2739e+00],  
[1.4063e+00, 2.4930e-04, 1.6115e-01],  
[6.9138e+01, 2.6971e-01, 2.0421e+00],  
[1.6509e+02, 1.7989e+00, 3.1490e+00],  
[5.5807e+00, 3.8803e-02, 6.8150e-01],  
[1.1799e+01, 3.4745e-02, 6.6137e-01],  
[9.9127e+00, 2.1781e-02, 9.0711e-01],  
[1.0742e+02, 7.7084e-01, 2.9687e+00],  
[1.7453e-01, 2.7002e-05, 2.0370e-02],  
[3.1960e+00, 6.6965e-04, 2.5444e-01],  
[1.5729e+01, 7.7776e-02, 1.2928e+00],  
[4.7730e-02, 3.4553e-07, 6.5040e-03],  
[8.3479e+01, 1.7571e+00, 2.5079e+00],  
[1.4198e+00, 7.7095e-04, 1.5171e-01],  
[1.5509e-01, 9.3519e-07, 2.0518e-02],  
[2.0009e+00, 3.9958e-04, 1.7040e-01],  
[8.1165e+00, 1.3287e-02, 8.5596e-01],  
[1.3889e-02, 3.7950e-08, 2.1683e-03],  
[6.0384e-02, 5.8199e-07, 8.0412e-03],  
[1.1010e+01, 4.4124e-02, 5.4023e-01],  
[2.6607e+00, 1.2953e-03, 1.8674e-01],  
[1.0213e+02, 5.0514e-01, 4.3142e+00],  
[8.0639e-01, 2.5129e-04, 6.5684e-02],  
[1.2835e+01, 1.6228e-02, 9.6404e-01],  
[5.5625e-01, 4.4903e-05, 3.6520e-02],  
[1.1988e+02, 3.4714e+00, 3.1778e+00],  
[4.9181e+01, 4.0863e-01, 3.1687e+00],  
[1.6990e+01, 4.6105e-02, 1.5310e+00],  
[1.3895e-01, 1.8282e-05, 1.8667e-02],  
[3.2996e-01, 3.4667e-05, 3.4875e-02],  
[5.0457e+00, 1.0902e-03, 3.0620e-01],  
[4.8735e+01, 1.5600e-01, 2.7864e+00],  
[5.7045e+00, 4.1320e-03, 3.0436e-01],  
[6.4922e+01, 5.1807e-01, 1.4025e+00],  
[7.2195e+00, 9.5405e-03, 7.1300e-01],  
[4.5552e+01, 2.8277e-01, 2.1253e+00],  
[3.0017e+02, 4.4805e+00, 4.6978e+00],  
[5.7151e-03, 1.1201e-08, 8.8061e-04],  
[1.6368e+01, 2.9454e-02, 9.1198e-01],

```

[2.1062e+01, 6.5536e-02, 7.9309e-01],
[7.1062e-01, 3.2043e-05, 8.1855e-02],
[7.5047e+00, 4.3815e-03, 5.4879e-01],
[1.7165e+01, 3.0922e-02, 9.9854e-01],
[3.8313e-01, 5.8410e-05, 3.7565e-02],
[1.3227e+02, 1.8583e+00, 3.2026e+00],
[6.8211e+00, 9.6077e-03, 3.2031e-01],
[1.2148e+00, 1.9881e-04, 1.1669e-01],
[4.2020e+01, 1.4994e-02, 1.1822e+00],
[4.9338e+01, 4.6481e-01, 1.2042e+00],
[1.6617e-01, 1.0205e-05, 2.0317e-02],
[8.9903e+01, 1.2615e-01, 3.7476e+00],
[4.1786e+00, 2.3384e-03, 2.6275e-01],
[3.4059e-01, 9.3980e-05, 3.5024e-02],
[2.7476e+00, 2.4375e-03, 2.0411e-01],
[1.8777e-02, 1.7575e-07, 2.7654e-03],
[1.8559e-01, 2.3998e-05, 1.8524e-02],
[6.4521e+01, 3.5409e-01, 1.9948e+00],
[2.4508e+01, 1.6623e-01, 9.3321e-01],
[5.6638e-02, 1.8256e-06, 7.5160e-03],
[2.4570e+01, 1.9878e-01, 9.9693e-01],
[2.6092e-01, 2.7572e-05, 3.2369e-02],
[5.2332e+00, 9.9739e-03, 4.6289e-01],
[2.4219e+01, 2.7932e-01, 1.1939e+00],
[2.8370e-01, 3.3767e-05, 2.5340e-02],
[3.3435e+00, 1.0060e-03, 2.9859e-01],
[1.7307e+01, 5.3696e-02, 6.9488e-01],
[4.2278e+00, 3.1780e-04, 2.8203e-01],
[2.3277e-02, 1.5942e-07, 3.4321e-03],
[4.2313e-01, 2.3346e-05, 3.7811e-02],
[8.9797e+00, 1.1266e-02, 4.3682e-01],
[3.3663e+01, 2.7238e-01, 1.3724e+00],
[1.2752e+02, 2.1388e+00, 2.9608e+00],
[1.5775e-02, 8.1546e-08, 2.5379e-03],
[4.4949e-02, 6.3584e-07, 6.3879e-03],
[5.2929e-02, 4.3371e-07, 6.7446e-03],
[2.8078e+01, 4.9419e-02, 9.6341e-01],
[6.0725e-01, 6.0765e-05, 4.9274e-02],
[6.3119e-02, 1.4874e-06, 8.3587e-03],
[9.9065e-02, 1.0150e-05, 1.3347e-02],
[4.1750e+00, 4.0735e-04, 3.4193e-01],
[5.6215e+01, 8.8045e-01, 1.4723e+00],
[5.5528e+01, 5.9524e-01, 1.2052e+00],
[7.3882e+00, 4.8031e-03, 6.3389e-01]], dtype=torch.float64)

```

Iteration: 154

```

Inputs: tensor([[1.9691e+18, 8.0985e+01, 1.4656e+01, 2.7324e+00],
                [1.6221e+18, 4.3826e+02, 4.8017e+00, 9.8641e+00],
                [8.7036e+19, 8.7855e+01, 1.0097e+01, 3.7424e+00],

```

```

...,
[3.7279e+20, 2.4246e+02, 8.4738e+00, 2.3726e+00],
[1.0968e+20, 1.1570e+02, 8.4735e+00, 6.0997e+00],
[3.9109e+20, 8.8932e+01, 8.6597e+00, 9.9208e+00]], dtype=torch.float64)
Target: tensor([[4.7835e-03, 7.9559e-09, 7.5368e-04],
[8.0709e-01, 1.4643e-04, 5.2427e-02],
[6.1613e+00, 7.5449e-03, 5.5734e-01],
[9.2168e-01, 4.4460e-05, 6.6546e-02],
[4.2945e-03, 3.9280e-09, 6.9082e-04],
[5.9775e+01, 3.2595e-01, 2.2029e+00],
[5.1304e-02, 8.8295e-07, 7.4030e-03],
[3.5883e-01, 3.4174e-05, 3.2185e-02],
[2.8800e+00, 8.3696e-03, 3.4891e-01],
[2.3483e+00, 9.2969e-04, 1.5533e-01],
[4.6461e-01, 1.6949e-04, 6.2293e-02],
[4.1915e+01, 3.3725e-01, 1.0449e+00],
[5.1042e-02, 1.5419e-07, 6.6650e-03],
[5.3603e+01, 8.7564e-01, 1.9462e+00],
[2.4512e+01, 6.8976e-02, 1.5082e+00],
[3.7022e-01, 2.0523e-05, 4.4578e-02],
[1.6597e-01, 1.3268e-05, 2.3552e-02],
[1.7151e+02, 7.0760e+00, 4.5735e+00],
[4.7202e-01, 6.3205e-05, 4.4456e-02],
[3.5677e+00, 3.3334e-03, 2.1909e-01],
[2.1407e+00, 2.1881e-03, 1.4739e-01],
[7.9233e+00, 4.8424e-03, 5.2791e-01],
[4.3941e+00, 1.1617e-03, 3.3782e-01],
[2.3602e-01, 2.0742e-05, 2.3347e-02],
[6.2197e+00, 1.3077e-03, 3.4787e-01],
[3.9955e-01, 2.1303e-06, 3.0594e-02],
[1.7101e+00, 3.6021e-04, 1.1907e-01],
[2.0997e+01, 1.4472e-01, 1.9157e+00],
[1.1718e+02, 2.1753e+00, 4.1543e+00],
[2.6209e+00, 2.1202e-03, 1.9901e-01],
[2.5629e+01, 1.9664e-01, 8.4200e-01],
[1.1752e+02, 1.9381e+00, 3.4729e+00],
[6.5064e-01, 3.3288e-05, 8.5769e-02],
[3.3927e+01, 1.3616e-01, 1.2154e+00],
[1.1379e+02, 8.9052e-01, 2.6964e+00],
[1.3682e+02, 2.7272e+00, 4.1101e+00],
[1.1752e+01, 6.1358e-02, 8.7565e-01],
[7.0331e+00, 1.7280e-02, 5.1097e-01],
[3.1516e-02, 1.7194e-07, 4.6564e-03],
[1.0166e+01, 5.5981e-03, 7.1941e-01],
[1.5456e+01, 8.4373e-02, 8.8991e-01],
[1.6591e+01, 2.3962e-03, 5.3248e-01],
[9.9535e+01, 1.6809e+00, 2.2845e+00],
[1.3776e+01, 2.3853e-02, 9.5270e-01],

```

[5.3135e+01, 2.7768e-01, 3.0247e+00],  
[2.2742e+00, 1.2060e-03, 2.1531e-01],  
[7.7910e+01, 2.3757e-01, 2.7272e+00],  
[3.7161e+01, 3.1645e-01, 1.8461e+00],  
[1.1642e+01, 1.9606e-02, 8.4713e-01],  
[8.1270e-01, 7.3907e-05, 7.2564e-02],  
[2.4664e+01, 2.8148e-01, 1.6172e+00],  
[4.4665e+00, 5.5916e-03, 3.1187e-01],  
[4.9777e+01, 4.7649e-01, 1.1841e+00],  
[2.6986e+00, 1.0328e-03, 1.2342e-01],  
[3.3404e-03, 4.8554e-09, 5.4011e-04],  
[5.1768e-01, 2.0404e-04, 7.2017e-02],  
[2.8843e+01, 3.3341e-01, 1.1116e+00],  
[7.3467e+01, 1.0598e+00, 2.2250e+00],  
[2.9743e+00, 2.8457e-03, 2.1547e-01],  
[4.0937e+01, 8.9438e-02, 1.5203e+00],  
[7.9113e-01, 2.7623e-04, 1.0411e-01],  
[5.1560e+00, 1.6288e-02, 4.8169e-01],  
[8.1230e+01, 5.0609e-02, 1.8614e+00],  
[3.6665e-01, 2.6591e-05, 4.4395e-02],  
[1.9629e+02, 2.0285e+00, 4.6356e+00],  
[1.0877e+00, 5.3692e-05, 1.1662e-01],  
[2.3688e+01, 5.3080e-02, 1.4270e+00],  
[1.3588e+02, 6.1019e-01, 4.1397e+00],  
[5.6113e+01, 6.0649e-01, 1.4801e+00],  
[1.3711e+01, 4.4907e-02, 5.6657e-01],  
[8.5096e-01, 8.1566e-05, 5.7277e-02],  
[2.4380e+01, 7.4618e-03, 9.9289e-01],  
[4.3772e-02, 1.7402e-06, 6.0180e-03],  
[2.1344e+01, 2.0930e-01, 9.9578e-01],  
[3.3606e+01, 4.1642e-01, 2.3329e+00],  
[1.4206e+02, 2.4775e+00, 4.3481e+00],  
[1.1604e+01, 1.4001e-02, 7.2874e-01],  
[2.8581e+02, 8.8061e-01, 5.1372e+00],  
[1.3052e+02, 1.5077e+00, 3.2197e+00],  
[2.0643e+00, 8.6035e-04, 1.9790e-01],  
[3.6894e+01, 3.0851e-01, 2.2566e+00],  
[3.9942e+01, 1.2780e-01, 9.1579e-01],  
[1.1520e+02, 4.9197e+00, 4.1033e+00],  
[2.8636e-01, 4.5015e-05, 3.1018e-02],  
[3.5668e+00, 5.4868e-04, 3.5716e-01],  
[9.7631e-01, 3.1901e-04, 1.1642e-01],  
[4.7204e+01, 1.2144e-01, 1.8104e+00],  
[4.5172e+01, 1.4427e-01, 1.4556e+00],  
[1.2542e+01, 2.3489e-02, 5.3379e-01],  
[5.3295e-02, 1.5849e-06, 7.4491e-03],  
[4.5006e+00, 1.6009e-03, 2.5463e-01],  
[4.4592e+01, 3.1482e-01, 1.6917e+00],

[1.3635e+01, 6.2058e-02, 1.0807e+00],  
[7.0993e+00, 4.8302e-03, 6.2297e-01],  
[1.6294e-01, 4.1349e-06, 1.7114e-02],  
[1.6303e+01, 2.7594e-02, 9.3649e-01],  
[2.7765e-01, 2.0618e-05, 2.5376e-02],  
[7.0831e-02, 4.7404e-06, 9.5993e-03],  
[2.7669e-03, 5.3362e-09, 4.4806e-04],  
[2.7420e+00, 1.6741e-03, 2.5421e-01],  
[1.8901e+00, 1.0546e-03, 1.4366e-01],  
[1.0439e-01, 7.1108e-07, 1.4396e-02],  
[4.7400e+01, 8.2850e-01, 2.6679e+00],  
[1.2003e+02, 1.6436e+00, 3.6047e+00],  
[8.1087e-01, 4.2897e-05, 7.2327e-02],  
[1.3789e+02, 4.4730e+00, 3.0753e+00],  
[1.0607e+01, 2.3004e-02, 5.3085e-01],  
[1.1660e+01, 7.2081e-03, 9.5510e-01],  
[1.7588e+02, 4.3327e+00, 4.1936e+00],  
[1.0208e+02, 6.9875e-01, 2.2556e+00],  
[7.0555e+01, 1.4357e+00, 3.5935e+00],  
[6.5899e+00, 7.0163e-03, 3.4214e-01],  
[1.2359e+01, 8.9053e-02, 9.2169e-01],  
[2.1185e+00, 4.1392e-03, 2.2483e-01],  
[8.7354e+00, 3.3536e-03, 3.1073e-01],  
[3.2457e+01, 2.3071e-01, 1.3447e+00],  
[6.9093e+01, 7.7000e-01, 3.2400e+00],  
[5.4459e-01, 1.3142e-04, 5.0404e-02],  
[1.0974e+01, 1.5528e-02, 4.4157e-01],  
[2.9130e+00, 5.3696e-03, 2.9971e-01],  
[4.7253e+01, 6.3135e-01, 2.5139e+00],  
[3.6448e-01, 1.1579e-05, 3.1832e-02],  
[7.4274e+00, 1.3799e-03, 5.9252e-01],  
[6.9490e+00, 9.2128e-03, 3.1515e-01],  
[1.4344e+00, 1.9188e-04, 1.0101e-01],  
[4.3163e+01, 9.3547e-02, 1.6958e+00],  
[3.3548e-02, 7.1274e-08, 4.9689e-03],  
[1.5933e-01, 1.1820e-05, 2.3249e-02],  
[5.1931e+00, 2.4732e-03, 3.0581e-01],  
[4.3992e+01, 6.5510e-02, 2.1151e+00],  
[2.9934e-01, 3.4711e-05, 2.8233e-02],  
[1.7382e+01, 2.4560e-02, 7.4094e-01],  
[9.8648e+00, 1.3844e-02, 3.9914e-01],  
[8.8308e+00, 1.3601e-02, 3.6571e-01],  
[2.8068e+01, 1.2884e-01, 1.0849e+00],  
[1.8116e-01, 9.4620e-07, 2.2474e-02],  
[1.0633e+00, 3.6108e-04, 1.0410e-01],  
[1.4561e+02, 2.6564e+00, 3.8371e+00],  
[1.9667e+01, 2.7554e-02, 8.7428e-01],  
[4.8136e+00, 2.7851e-03, 2.0339e-01],

[3.1897e+02, 2.0034e+00, 4.8351e+00],  
 [2.5198e+01, 8.1589e-02, 1.0220e+00],  
 [2.5132e+01, 3.4497e-02, 8.7620e-01],  
 [2.4085e+00, 1.6879e-04, 1.4497e-01],  
 [3.7420e+01, 5.0769e-01, 2.2116e+00],  
 [3.3470e-02, 4.3727e-07, 4.7462e-03],  
 [1.1166e-02, 4.0509e-08, 1.7478e-03],  
 [1.7258e-01, 1.2229e-05, 1.9204e-02],  
 [4.1006e+00, 1.2356e-04, 2.3908e-01],  
 [7.7281e-02, 2.7257e-07, 9.5894e-03],  
 [8.8079e+01, 2.3774e+00, 2.4923e+00],  
 [3.5068e+01, 1.0402e-01, 1.3103e+00],  
 [1.1929e+01, 4.7920e-02, 5.5574e-01],  
 [1.1263e+00, 2.0160e-04, 1.0299e-01],  
 [1.5722e+02, 1.1551e+00, 2.7865e+00],  
 [1.8817e+02, 5.2336e+00, 4.5261e+00],  
 [6.5034e-02, 4.3385e-06, 9.3978e-03],  
 [1.2165e+01, 1.4984e-03, 6.6797e-01],  
 [1.8529e+01, 8.8812e-03, 1.6065e+00],  
 [5.0157e+00, 7.5053e-03, 3.6146e-01],  
 [7.5776e+01, 2.6303e-01, 2.2340e+00],  
 [2.1312e-01, 2.6576e-06, 2.5075e-02],  
 [4.5806e+00, 2.8874e-03, 2.0881e-01],  
 [2.5632e-01, 2.6145e-05, 3.0022e-02],  
 [1.5975e+00, 1.5394e-04, 1.9502e-01],  
 [8.3161e-04, 9.6715e-11, 1.3580e-04],  
 [4.7257e+00, 2.2543e-03, 4.4085e-01],  
 [1.4438e+00, 7.2663e-04, 1.1124e-01],  
 [5.0918e+01, 9.5114e-02, 1.0147e+00],  
 [1.5177e+00, 3.5131e-04, 1.2941e-01],  
 [1.2117e-01, 2.5191e-06, 1.5387e-02],  
 [2.7596e+01, 2.0220e-01, 9.1491e-01],  
 [1.5116e+02, 3.6584e+00, 4.3605e+00],  
 [2.2581e+01, 3.8717e-02, 1.8036e+00],  
 [5.8590e+00, 7.1565e-03, 5.0217e-01],  
 [1.1867e+00, 1.7669e-04, 1.1576e-01],  
 [4.5618e-02, 3.7034e-06, 6.8055e-03],  
 [4.7624e+01, 4.3542e-01, 2.1194e+00],  
 [2.2176e-01, 9.2479e-06, 2.1504e-02],  
 [6.5970e+00, 1.0379e-02, 4.4666e-01],  
 [1.1982e+02, 1.9591e+00, 2.6173e+00],  
 [1.0835e+01, 6.0855e-03, 4.4167e-01],  
 [2.0781e-01, 1.7766e-05, 2.9517e-02],  
 [1.3535e+01, 4.6708e-02, 5.0048e-01],  
 [1.3324e+02, 9.8337e-01, 3.8957e+00],  
 [1.3232e+01, 1.9888e-02, 8.3929e-01],  
 [3.6538e+01, 2.5476e-01, 1.1319e+00],  
 [3.3285e+01, 1.8074e-01, 1.4679e+00],



[8.0414e+01, 2.8841e-01, 1.7946e+00],  
[5.8623e-01, 9.4319e-05, 6.0829e-02],  
[2.4075e+00, 3.1117e-03, 2.9295e-01],  
[9.3502e-02, 3.8159e-06, 1.1097e-02],  
[3.1446e-01, 1.7480e-05, 3.5490e-02],  
[2.0779e-02, 2.7040e-07, 3.1407e-03],  
[9.7968e+00, 3.3480e-02, 7.3212e-01],  
[3.0703e+01, 1.0905e-01, 1.0041e+00],  
[1.2088e-01, 2.4386e-06, 1.7458e-02],  
[2.2437e+02, 4.7139e+00, 4.4581e+00],  
[2.1283e+00, 1.0432e-04, 2.0701e-01],  
[7.9918e-01, 2.8091e-05, 6.4538e-02],  
[1.1914e+01, 6.8867e-03, 4.1259e-01],  
[7.0463e-02, 7.8282e-07, 9.7741e-03],  
[1.6459e+02, 2.7459e+00, 2.5243e+00],  
[1.3026e+00, 3.6459e-04, 1.1541e-01],  
[1.4811e+00, 9.2194e-04, 1.4607e-01],  
[3.4164e+00, 1.9449e-03, 2.6953e-01],  
[4.7190e+00, 4.2267e-03, 3.3167e-01],  
[7.7236e+01, 5.3677e-01, 3.6011e+00],  
[2.6265e+01, 1.1951e-01, 1.6307e+00],  
[4.1048e-02, 1.6708e-06, 5.5382e-03],  
[4.1653e+00, 1.5363e-03, 2.5059e-01],  
[5.9800e-02, 4.5507e-07, 8.2056e-03],  
[5.1991e-01, 1.0666e-04, 4.7795e-02],  
[4.6969e+01, 1.8622e-01, 1.2112e+00],  
[9.1507e+01, 1.4436e+00, 2.2525e+00],  
[2.4408e+01, 3.0508e-02, 8.3343e-01],  
[1.0507e+00, 7.3672e-04, 1.3732e-01],  
[1.4390e+00, 3.8349e-04, 1.2778e-01],  
[4.8159e-02, 9.8384e-07, 7.0772e-03],  
[1.9159e+02, 6.7036e+00, 3.6345e+00],  
[4.9656e+01, 2.7015e-01, 1.8290e+00],  
[2.1158e+02, 4.6063e+00, 4.1241e+00],  
[1.5348e+00, 9.2764e-05, 1.1251e-01],  
[7.1163e-02, 6.2823e-07, 9.9403e-03],  
[1.2431e+00, 3.3593e-04, 9.8363e-02],  
[1.1847e-02, 1.1160e-07, 1.8479e-03],  
[3.6628e-02, 4.7767e-07, 5.0046e-03],  
[1.5786e-01, 2.8263e-06, 2.0517e-02],  
[4.3543e-04, 6.7032e-11, 7.1091e-05],  
[1.7300e+01, 4.4875e-02, 8.5592e-01],  
[1.8942e-01, 1.3332e-05, 2.2022e-02],  
[1.4394e+01, 8.5383e-03, 1.0666e+00],  
[7.0299e-02, 1.8010e-06, 1.0795e-02],  
[2.2696e+00, 5.6378e-04, 2.0999e-01],  
[1.9635e+01, 1.1072e-01, 1.2528e+00],  
[7.2132e+00, 2.9832e-03, 4.6598e-01],

[1.9016e+01, 6.2733e-02, 9.9624e-01],  
[5.9448e-01, 8.3381e-05, 4.3318e-02],  
[1.0887e+00, 1.2308e-04, 1.1802e-01],  
[2.5111e-02, 2.7056e-07, 3.6096e-03],  
[1.6164e+02, 1.3881e+00, 3.3097e+00],  
[7.2851e-01, 9.1201e-05, 7.1616e-02],  
[2.0366e-01, 6.8699e-05, 2.8691e-02],  
[1.6992e+00, 2.9487e-03, 2.1149e-01],  
[1.4203e-01, 1.5249e-05, 1.8952e-02],  
[6.0724e+00, 2.4977e-03, 4.4353e-01],  
[1.5694e+02, 7.5421e+00, 4.4446e+00],  
[4.2381e-02, 1.0538e-07, 5.9826e-03],  
[6.2229e-02, 2.6001e-06, 8.3383e-03],  
[1.3563e+01, 3.3791e-02, 1.2801e+00],  
[2.6230e+02, 9.3851e+00, 4.5823e+00],  
[9.9597e-04, 1.4268e-10, 1.6177e-04],  
[4.4813e+00, 3.8800e-03, 4.8226e-01],  
[1.6388e+00, 3.1541e-04, 1.4244e-01],  
[1.5997e+01, 2.2154e-02, 5.7791e-01],  
[3.7672e+00, 1.0345e-03, 1.7151e-01],  
[1.2888e+00, 2.8257e-05, 1.0571e-01],  
[2.4055e+01, 1.2364e-01, 1.5807e+00],  
[7.6755e+00, 1.8020e-02, 3.9335e-01],  
[6.4245e+00, 1.1364e-02, 5.0331e-01],  
[5.1806e-01, 5.9475e-05, 4.4487e-02],  
[8.5165e-01, 3.5167e-05, 9.3578e-02],  
[1.3905e+00, 2.8430e-04, 1.6858e-01],  
[6.4998e-01, 5.6922e-04, 7.7935e-02],  
[2.0247e-01, 2.0022e-05, 2.4026e-02],  
[2.6393e+00, 1.4849e-03, 1.6258e-01],  
[3.8976e+00, 1.1180e-03, 1.8790e-01],  
[5.8468e+01, 6.7202e-01, 1.9416e+00],  
[2.6756e-01, 3.1994e-05, 3.9277e-02],  
[2.0754e+00, 4.8060e-04, 1.8502e-01],  
[9.0190e+01, 1.0422e+00, 2.4787e+00],  
[1.6531e+00, 3.6995e-04, 1.3326e-01],  
[2.7020e+01, 2.6410e-01, 1.0438e+00],  
[7.7594e+01, 4.0274e-01, 3.7149e+00],  
[1.9351e+01, 7.5381e-02, 8.0239e-01],  
[3.5959e-01, 3.5884e-05, 4.0836e-02],  
[7.4951e+00, 1.4480e-03, 4.0264e-01],  
[3.8137e+01, 3.9483e-01, 2.7697e+00],  
[3.7782e-02, 3.1236e-07, 5.6971e-03],  
[1.4097e+01, 6.6503e-02, 5.8733e-01],  
[4.7775e-02, 6.7422e-07, 6.7706e-03],  
[5.4182e-04, 1.0614e-10, 8.8105e-05],  
[8.5717e+00, 4.3355e-03, 5.3553e-01],  
[5.6095e+01, 1.6127e-01, 1.3590e+00],

```

[2.3229e+01, 1.0614e-01, 1.3384e+00],
[1.7584e+01, 5.0440e-02, 7.3227e-01],
[1.9239e+01, 7.0491e-02, 8.4354e-01],
[1.8491e-01, 8.0661e-06, 2.2464e-02],
[5.0819e+00, 5.4320e-03, 3.2196e-01],
[3.7984e+01, 9.8233e-02, 1.7172e+00],
[5.3478e+01, 1.0644e+00, 2.1437e+00],
[1.5043e+00, 1.2274e-03, 1.2998e-01],
[2.5492e+01, 1.1776e-01, 8.9047e-01],
[3.7815e-02, 3.8057e-07, 5.6625e-03],
[1.1821e+02, 6.0728e-01, 3.7140e+00],
[6.0607e+00, 1.0752e-02, 5.8833e-01],
[3.9968e-01, 3.8388e-05, 3.6047e-02],
[3.0652e-01, 1.1102e-05, 3.7163e-02],
[2.2792e+00, 1.5618e-03, 1.5881e-01],
[1.0447e-01, 4.5069e-06, 1.2743e-02],
[3.1367e-01, 8.2682e-05, 3.5605e-02],
[3.3807e+01, 3.0275e-01, 1.0250e+00],
[1.8898e+02, 1.2337e-01, 3.3886e+00],
[3.2943e-01, 6.0550e-06, 4.2943e-02],
[6.0188e+00, 1.8360e-02, 3.6499e-01],
[3.3861e+00, 2.4632e-03, 2.5027e-01],
[2.8673e+00, 1.8593e-03, 1.5203e-01],
[5.6006e+01, 3.0520e-01, 1.5135e+00],
[3.0248e+02, 1.1580e+01, 5.0420e+00],
[3.0944e-01, 1.9688e-05, 3.0876e-02],
[4.2510e-01, 3.4781e-05, 4.2679e-02],
[2.5135e-01, 2.0267e-05, 2.3379e-02],
[2.4417e+02, 1.4446e+01, 5.0909e+00],
[7.4917e+00, 1.2991e-02, 4.3066e-01],
[1.1007e+02, 2.2968e+00, 3.1390e+00],
[1.4078e-01, 1.3603e-05, 1.8037e-02],
[9.1751e+01, 4.3561e-01, 2.2825e+00],
[5.3443e+01, 1.1943e-01, 2.4810e+00],
[1.8517e+01, 6.7061e-02, 1.0900e+00],
[4.8786e+01, 7.7831e-01, 2.4451e+00]], dtype=torch.float64)
Iteration: 155
Inputs: tensor([[1.2601e+18, 5.4593e+01, 4.8361e+00, 5.2819e+00],
               [3.5498e+20, 6.7409e+01, 7.9721e+00, 8.3403e+00],
               [3.4522e+19, 9.8387e+01, 1.3934e+01, 4.0094e+00],
               ...,
               [5.8614e+20, 2.1405e+02, 1.8103e+01, 3.8243e+00],
               [1.1652e+19, 1.1893e+02, 1.2093e+01, 4.7608e+00],
               [8.6469e+19, 4.8236e+02, 1.2145e+01, 3.8510e+00]]), dtype=torch.float64)
Target: tensor([[1.0385e-02, 3.8374e-08, 1.5626e-03],
               [3.2264e+01, 3.1177e-01, 1.9999e+00],
               [1.7359e+00, 1.0540e-03, 1.9152e-01],
               [1.9457e+01, 1.3273e-01, 7.1001e-01],

```

[5.4705e-02, 1.2691e-06, 7.7465e-03],  
 [7.0804e-04, 9.3205e-11, 1.1598e-04],  
 [1.3793e+01, 9.4553e-03, 4.7685e-01],  
 [1.2269e+01, 3.6549e-02, 6.0733e-01],  
 [1.3385e+02, 7.2506e-01, 3.4360e+00],  
 [1.1711e+01, 1.2462e-02, 7.8027e-01],  
 [2.3769e+00, 9.0058e-04, 2.0247e-01],  
 [7.3374e-02, 8.0377e-07, 8.9780e-03],  
 [1.9409e-03, 2.3329e-10, 3.1215e-04],  
 [3.0258e+00, 1.1474e-03, 1.8767e-01],  
 [1.2473e+02, 2.6837e+00, 3.9186e+00],  
 [4.9476e-02, 2.2789e-06, 7.1133e-03],  
 [2.3654e-02, 1.2672e-08, 3.3921e-03],  
 [4.9310e+00, 4.0554e-03, 2.8853e-01],  
 [1.5372e+00, 2.7792e-04, 1.0315e-01],  
 [2.1485e+00, 5.8371e-04, 1.5388e-01],  
 [1.0245e-01, 3.9441e-07, 1.3848e-02],  
 [3.1185e+00, 1.0348e-03, 3.6785e-01],  
 [2.8879e-01, 3.8066e-05, 4.3258e-02],  
 [1.9269e+00, 1.3222e-03, 1.3075e-01],  
 [1.3655e+01, 2.1883e-02, 5.1283e-01],  
 [7.7893e-02, 3.7427e-06, 1.0781e-02],  
 [2.3287e-01, 3.5615e-05, 3.1559e-02],  
 [4.1185e+01, 1.8242e-01, 1.0328e+00],  
 [1.8678e+01, 3.1947e-02, 8.5711e-01],  
 [1.9591e+02, 5.0584e+00, 4.1000e+00],  
 [3.0642e-01, 1.6957e-05, 3.9940e-02],  
 [2.2037e+00, 1.1318e-03, 1.4911e-01],  
 [4.0835e+01, 4.3891e-01, 1.5591e+00],  
 [4.7581e+00, 1.0283e-02, 4.8192e-01],  
 [3.9072e-01, 9.8750e-06, 4.5125e-02],  
 [7.8922e+01, 1.8169e+00, 3.9345e+00],  
 [4.7257e+00, 2.1815e-03, 2.8450e-01],  
 [2.2076e+00, 4.1748e-04, 1.5417e-01],  
 [2.2213e+02, 3.9173e+00, 3.2484e+00],  
 [8.3544e-02, 4.5311e-06, 1.0067e-02],  
 [1.1103e-01, 3.6899e-06, 1.3192e-02],  
 [7.5410e-01, 1.5828e-04, 5.9545e-02],  
 [1.9946e+01, 5.6120e-02, 1.2802e+00],  
 [1.2837e+00, 8.0163e-04, 9.6644e-02],  
 [1.5360e-01, 6.0308e-06, 2.3334e-02],  
 [5.8653e+00, 5.3146e-03, 4.4183e-01],  
 [4.8776e+01, 2.0522e-01, 1.7234e+00],  
 [3.7017e+00, 3.8435e-03, 2.3956e-01],  
 [2.5800e+01, 4.9915e-02, 1.2221e+00],  
 [3.3515e+01, 7.5660e-02, 9.7433e-01],  
 [3.3820e+01, 1.4362e-01, 1.5220e+00],  
 [1.0919e+01, 1.4749e-02, 7.1089e-01],

[1.4825e-01, 9.8658e-06, 1.6189e-02],  
[5.6509e+01, 2.8658e-01, 2.9170e+00],  
[2.7691e+00, 2.5915e-03, 2.0339e-01],  
[7.0958e-02, 2.0818e-06, 9.2841e-03],  
[5.5830e+01, 1.0337e-01, 2.1025e+00],  
[3.0259e+00, 2.5492e-03, 2.4750e-01],  
[4.7947e-01, 8.3354e-05, 4.2179e-02],  
[7.6806e+00, 5.3254e-03, 5.3073e-01],  
[1.0760e+00, 7.7613e-04, 1.1090e-01],  
[3.1326e+00, 1.6900e-03, 4.0936e-01],  
[4.3195e-01, 6.5663e-06, 3.2157e-02],  
[2.2645e+01, 9.4619e-02, 8.8391e-01],  
[8.3041e+01, 8.9433e-02, 3.2270e+00],  
[2.0607e+01, 4.0154e-02, 6.7931e-01],  
[3.4728e-03, 1.7292e-08, 5.4793e-04],  
[2.7774e+01, 1.4068e-01, 8.9973e-01],  
[2.4195e+00, 2.0933e-03, 1.8551e-01],  
[3.5183e+01, 5.1331e-01, 1.8915e+00],  
[1.9617e-01, 1.9049e-05, 2.0404e-02],  
[4.6532e+00, 2.8278e-03, 2.2040e-01],  
[1.1686e+00, 4.3292e-04, 1.3767e-01],  
[8.2846e+01, 1.1526e+00, 2.2782e+00],  
[8.9678e+01, 6.1783e-01, 2.8688e+00],  
[3.1557e+01, 3.5200e-02, 1.4265e+00],  
[3.8541e+01, 2.8632e-01, 2.6153e+00],  
[1.4825e+01, 8.7660e-02, 8.1029e-01],  
[1.3568e+02, 9.0192e-01, 3.2038e+00],  
[4.3976e-02, 6.9621e-07, 5.8662e-03],  
[6.6575e+00, 1.0205e-02, 4.1784e-01],  
[1.6949e+00, 1.6506e-03, 1.5358e-01],  
[8.3396e+00, 9.7500e-03, 5.2562e-01],  
[3.2772e+01, 4.1705e-02, 1.1277e+00],  
[1.9054e+01, 3.0674e-02, 1.6488e+00],  
[8.3556e+01, 1.0595e+00, 3.4377e+00],  
[6.4400e+01, 3.1091e-01, 2.7925e+00],  
[6.6833e+01, 1.5685e+00, 3.5432e+00],  
[8.1287e+00, 2.1685e-03, 3.1779e-01],  
[7.5631e+00, 1.2107e-02, 4.3635e-01],  
[3.1086e+01, 7.9857e-02, 1.3322e+00],  
[1.5846e+02, 3.6392e+00, 4.7065e+00],  
[3.1191e+00, 2.3874e-03, 3.1174e-01],  
[5.0199e-02, 1.1094e-06, 7.2659e-03],  
[3.4073e-01, 3.4119e-05, 3.4501e-02],  
[1.5959e+00, 2.3913e-04, 1.7761e-01],  
[1.5906e+01, 1.3785e-01, 1.0324e+00],  
[8.7112e+00, 1.0650e-02, 7.0449e-01],  
[4.8077e-01, 6.4312e-05, 5.5035e-02],  
[9.8970e+01, 2.1447e+00, 2.5724e+00],

[5.2300e+00, 8.7613e-03, 2.5881e-01],  
 [2.4594e+00, 2.6078e-03, 1.6291e-01],  
 [5.2460e-01, 1.0792e-04, 4.9829e-02],  
 [1.0901e+02, 1.2721e+00, 2.4315e+00],  
 [5.5116e-01, 2.9466e-05, 4.5138e-02],  
 [1.3827e+01, 9.6870e-03, 4.5501e-01],  
 [2.0130e+02, 8.1984e+00, 4.8766e+00],  
 [1.3633e+02, 8.2968e-01, 4.6306e+00],  
 [2.4669e+01, 4.9863e-02, 1.2994e+00],  
 [1.0677e-01, 9.7945e-06, 1.3610e-02],  
 [1.5141e+00, 1.0234e-04, 1.3052e-01],  
 [1.8842e+01, 7.2212e-02, 9.5871e-01],  
 [1.3644e+00, 5.0232e-04, 1.0267e-01],  
 [1.8530e+01, 6.2753e-02, 1.2070e+00],  
 [1.7152e+00, 2.7064e-04, 1.5803e-01],  
 [2.3311e+02, 6.1747e+00, 4.2412e+00],  
 [2.1344e+00, 7.0001e-04, 1.7869e-01],  
 [1.3387e+01, 8.6823e-02, 1.2692e+00],  
 [1.5242e-01, 5.7826e-06, 1.8035e-02],  
 [2.1305e-02, 1.0650e-07, 3.0329e-03],  
 [1.4418e+01, 4.5147e-03, 6.9745e-01],  
 [5.5530e-01, 1.1122e-04, 4.9412e-02],  
 [7.1759e+00, 1.1435e-02, 6.5103e-01],  
 [1.6056e+01, 3.4170e-02, 8.9009e-01],  
 [1.4103e+00, 7.2709e-04, 1.2569e-01],  
 [1.6842e+00, 2.6170e-04, 1.1919e-01],  
 [6.7452e+01, 2.0658e-01, 2.5347e+00],  
 [1.2513e+01, 2.1440e-02, 6.8761e-01],  
 [2.9594e-02, 9.0188e-08, 4.2481e-03],  
 [9.8888e-01, 1.6193e-04, 9.0299e-02],  
 [2.0443e+00, 6.0092e-04, 1.1950e-01],  
 [1.7064e+01, 1.9767e-02, 1.3856e+00],  
 [2.9612e+02, 1.1391e+01, 4.6977e+00],  
 [4.1177e+01, 1.9039e-01, 9.7068e-01],  
 [1.7091e+02, 1.7497e+00, 3.7199e+00],  
 [7.8325e+01, 1.2847e+00, 3.1729e+00],  
 [2.1501e+02, 6.7353e+00, 4.9482e+00],  
 [7.9217e+00, 1.6785e-02, 6.2508e-01],  
 [2.5718e+01, 1.9381e-01, 9.0032e-01],  
 [1.7259e+01, 4.1885e-02, 6.7040e-01],  
 [3.8337e-03, 5.7289e-09, 5.9888e-04],  
 [1.1811e+01, 8.6876e-02, 9.4282e-01],  
 [3.6644e+01, 7.8174e-02, 1.0570e+00],  
 [2.3011e-01, 3.0604e-05, 2.4072e-02],  
 [1.6102e+00, 9.3493e-04, 1.8640e-01],  
 [4.5277e+00, 1.0864e-03, 2.6922e-01],  
 [1.1208e+01, 1.3767e-02, 1.2149e+00],  
 [4.7851e+00, 1.5042e-02, 3.5382e-01],

[5.4174e+01, 1.3266e-01, 1.1551e+00],  
 [2.5923e+01, 1.5395e-01, 1.1662e+00],  
 [1.7601e+00, 1.4495e-04, 1.4408e-01],  
 [3.5082e+01, 2.0382e-01, 1.2875e+00],  
 [5.8938e-03, 2.1789e-08, 9.0357e-04],  
 [1.0973e+02, 2.3576e-01, 3.7279e+00],  
 [4.2568e-01, 2.2591e-05, 4.5403e-02],  
 [3.0820e+01, 1.3868e-01, 9.6121e-01],  
 [1.3003e-01, 4.1116e-06, 1.8995e-02],  
 [1.2125e-01, 3.2144e-06, 1.3280e-02],  
 [1.1554e+00, 6.7796e-04, 1.0225e-01],  
 [2.6441e+01, 1.8823e-01, 1.0326e+00],  
 [1.5891e+00, 9.0351e-04, 1.2478e-01],  
 [6.9885e+01, 4.9470e-01, 2.7440e+00],  
 [1.0252e+01, 3.8859e-02, 7.5892e-01],  
 [1.6384e+01, 9.1523e-02, 1.3847e+00],  
 [3.6912e-01, 5.5957e-05, 3.8918e-02],  
 [8.5108e+00, 8.3878e-03, 3.4536e-01],  
 [2.1446e+00, 1.8559e-03, 1.5958e-01],  
 [7.0461e+01, 9.0797e-01, 2.3391e+00],  
 [1.9501e+00, 1.5121e-03, 1.3944e-01],  
 [2.3711e-03, 7.5413e-09, 3.7928e-04],  
 [1.4597e+02, 3.4863e+00, 3.3172e+00],  
 [1.0167e+02, 4.9226e-01, 3.5026e+00],  
 [1.7590e+01, 4.7862e-02, 1.3239e+00],  
 [2.1328e-02, 2.5893e-07, 3.2350e-03],  
 [1.1957e-01, 7.1219e-06, 1.4313e-02],  
 [4.7120e+00, 9.9731e-03, 4.4914e-01],  
 [6.0085e+01, 9.8530e-02, 2.4846e+00],  
 [2.6836e+01, 1.5631e-01, 9.9247e-01],  
 [7.9108e+01, 2.3715e-02, 1.5676e+00],  
 [3.1762e-01, 4.4414e-05, 3.0127e-02],  
 [1.5069e-02, 6.8061e-08, 2.1977e-03],  
 [3.6715e+01, 1.8939e-02, 1.3707e+00],  
 [3.4650e-01, 2.4202e-04, 4.8929e-02],  
 [3.9376e+01, 3.3374e-01, 1.2369e+00],  
 [1.2073e+00, 3.0295e-04, 1.1224e-01],  
 [1.1463e+01, 4.9131e-03, 7.8847e-01],  
 [2.7095e-03, 6.3956e-09, 4.3889e-04],  
 [7.1683e+01, 2.3240e-01, 2.7012e+00],  
 [2.2825e-01, 3.3926e-05, 2.3641e-02],  
 [9.3633e+01, 1.6771e+00, 3.9965e+00],  
 [1.1212e+01, 2.2682e-02, 7.0372e-01],  
 [1.2396e+01, 1.3274e-02, 8.4280e-01],  
 [9.3115e+00, 9.1393e-03, 5.4714e-01],  
 [4.9166e+01, 3.3040e-01, 2.1769e+00],  
 [9.4597e+01, 3.2249e-01, 2.3455e+00],  
 [3.5316e+01, 5.5124e-02, 1.8568e+00],

[6.3190e+01, 2.7000e-01, 2.3423e+00],  
 [5.4058e+01, 4.9446e-01, 3.2139e+00],  
 [2.4828e-01, 1.7790e-05, 2.6726e-02],  
 [2.2547e+01, 5.2234e-02, 1.7995e+00],  
 [6.9963e+00, 3.9483e-02, 7.2509e-01],  
 [1.6877e+02, 4.7041e+00, 4.4576e+00],  
 [4.6111e+01, 1.1044e-01, 1.8860e+00],  
 [6.5059e+00, 4.3567e-03, 4.2517e-01],  
 [3.3717e-02, 2.0972e-07, 4.8955e-03],  
 [2.7632e-02, 1.3640e-07, 3.9794e-03],  
 [2.0085e+00, 2.0627e-03, 2.0336e-01],  
 [7.9665e+01, 8.2325e-01, 3.4399e+00],  
 [1.1226e+01, 1.5033e-02, 4.9344e-01],  
 [6.6359e-03, 2.9124e-08, 1.0150e-03],  
 [1.3007e+01, 6.7443e-02, 1.0063e+00],  
 [2.3387e+00, 1.9390e-03, 2.3203e-01],  
 [2.4367e-02, 8.8640e-08, 3.5646e-03],  
 [2.4770e+00, 6.1465e-04, 1.6345e-01],  
 [8.7299e-01, 4.1513e-04, 8.5660e-02],  
 [1.9701e+00, 4.0181e-04, 1.5961e-01],  
 [2.1156e+01, 8.6591e-02, 8.5809e-01],  
 [1.7173e+02, 2.7007e+00, 3.5453e+00],  
 [1.5815e+02, 5.4622e+00, 4.6731e+00],  
 [3.0387e+00, 1.9561e-03, 2.2023e-01],  
 [1.0870e+02, 9.3655e-01, 4.3839e+00],  
 [1.0302e+00, 1.2428e-03, 1.2412e-01],  
 [3.3194e-01, 2.6750e-05, 2.9011e-02],  
 [2.1806e+01, 1.4201e-01, 1.5406e+00],  
 [2.1477e+01, 1.1080e-01, 8.4830e-01],  
 [3.2262e-01, 2.4247e-05, 4.1933e-02],  
 [1.2603e+01, 2.5935e-03, 7.6566e-01],  
 [3.5699e+00, 2.9434e-03, 1.9533e-01],  
 [5.4712e+01, 9.4419e-01, 1.5975e+00],  
 [2.2065e+02, 4.2656e+00, 3.7625e+00],  
 [1.3145e+01, 4.6193e-02, 1.0492e+00],  
 [8.6195e+01, 1.1102e+00, 2.7752e+00],  
 [7.7859e-01, 2.5560e-04, 8.1848e-02],  
 [5.3178e+01, 4.5292e-02, 1.4217e+00],  
 [1.4055e-02, 5.4013e-08, 2.0566e-03],  
 [3.5778e+00, 1.4457e-03, 3.4583e-01],  
 [6.2984e-03, 8.1968e-09, 1.0198e-03],  
 [2.2997e-01, 2.3217e-05, 2.2134e-02],  
 [2.7344e+01, 2.7898e-02, 7.3593e-01],  
 [4.4839e+01, 1.1972e-01, 1.3881e+00],  
 [1.0660e-01, 1.8161e-06, 1.4257e-02],  
 [1.1804e+01, 2.1792e-02, 5.5368e-01],  
 [1.0288e+02, 1.2587e+00, 2.2777e+00],  
 [5.7141e+00, 8.9698e-03, 4.7907e-01],



[7.9221e+01, 2.4928e+00, 3.8460e+00],  
 [3.4442e-03, 1.6439e-08, 5.4111e-04],  
 [7.1720e-02, 1.7210e-06, 9.0986e-03],  
 [1.2581e+02, 2.5515e+00, 4.2179e+00],  
 [6.5841e-02, 1.0713e-06, 8.6547e-03],  
 [3.0383e-01, 2.4035e-05, 4.2020e-02],  
 [1.4034e+01, 1.0001e-03, 5.5727e-01],  
 [4.1231e+01, 1.6999e-01, 1.0117e+00],  
 [2.7616e+01, 1.3546e-01, 1.4064e+00],  
 [3.4584e+01, 4.8564e-02, 2.1877e+00],  
 [8.5747e+01, 9.6833e-01, 3.0781e+00],  
 [2.7071e-02, 1.1916e-06, 4.2029e-03],  
 [7.9389e+00, 1.4019e-02, 4.2898e-01],  
 [4.9053e+01, 1.9189e-01, 1.4895e+00],  
 [7.3516e+00, 2.7437e-03, 6.1589e-01],  
 [1.8037e+00, 4.7261e-04, 1.7090e-01],  
 [3.8911e+01, 2.7302e-01, 1.5650e+00],  
 [5.1404e+01, 1.1673e+00, 2.4445e+00],  
 [1.9966e+02, 6.0644e+00, 4.9646e+00],  
 [3.2093e+01, 1.1535e-01, 1.6250e+00],  
 [1.2833e+01, 3.8730e-02, 5.1085e-01],  
 [2.2478e+00, 1.4205e-03, 1.6849e-01],  
 [6.9972e+00, 1.1138e-02, 5.4254e-01],  
 [8.3038e-01, 2.5473e-04, 5.9612e-02],  
 [4.6156e+00, 2.3156e-02, 5.0793e-01],  
 [5.0995e+00, 6.0765e-03, 4.1618e-01],  
 [6.1533e+01, 9.3050e-01, 2.0757e+00],  
 [3.5300e-01, 2.0911e-05, 4.3501e-02],  
 [1.4081e+02, 2.2428e+00, 4.3723e+00],  
 [5.7259e+01, 4.1109e-01, 2.8665e+00],  
 [2.9398e+01, 7.1528e-03, 1.8535e+00],  
 [8.4944e-01, 2.3151e-04, 6.4936e-02],  
 [2.5027e+00, 1.4003e-03, 1.4613e-01],  
 [2.5974e-01, 2.3790e-05, 2.4779e-02],  
 [7.9497e+01, 1.6030e+00, 1.9955e+00],  
 [8.8252e-01, 2.7515e-05, 5.0726e-02],  
 [7.1773e-01, 1.6316e-04, 5.5262e-02],  
 [4.8227e+01, 4.8705e-01, 2.7914e+00],  
 [4.1999e+00, 1.1753e-03, 3.4876e-01],  
 [4.0300e+01, 1.4662e-01, 1.7752e+00],  
 [8.7489e+00, 6.7046e-03, 8.0835e-01],  
 [4.9810e-02, 6.6190e-07, 7.1002e-03],  
 [3.5930e+01, 3.9621e-01, 2.1444e+00],  
 [1.5654e+02, 5.5230e+00, 4.7328e+00],  
 [2.0791e+02, 1.1765e+01, 4.9218e+00],  
 [8.5542e+00, 4.6483e-03, 7.4140e-01],  
 [1.9514e+02, 6.7125e-01, 4.0077e+00],  
 [4.9163e+00, 1.6867e-03, 2.6841e-01],

```

[3.5907e+01, 5.3046e-01, 1.3187e+00],
[3.8606e+00, 3.6645e-03, 2.2918e-01],
[7.3590e+01, 4.5384e-01, 1.7557e+00],
[2.0699e+00, 4.5172e-04, 1.6823e-01],
[5.2373e-02, 1.4420e-06, 7.8081e-03],
[4.6611e+00, 3.8096e-03, 4.4656e-01],
[5.3260e-01, 1.8783e-04, 4.6759e-02],
[1.0573e+00, 7.2190e-04, 1.2210e-01],
[1.3347e+00, 3.2002e-04, 8.9529e-02],
[2.8666e-02, 5.7313e-08, 4.4940e-03],
[1.6155e+01, 9.7570e-03, 6.5778e-01],
[6.5333e+00, 9.9396e-03, 4.4833e-01],
[1.3736e+00, 7.5169e-04, 1.4678e-01],
[2.2509e+00, 6.7437e-04, 1.8919e-01],
[1.4322e+00, 5.3571e-04, 9.0543e-02],
[4.1821e+00, 5.4211e-03, 3.7092e-01],
[2.5940e+00, 2.7742e-03, 2.5316e-01],
[1.1716e-01, 2.6034e-05, 1.7259e-02],
[4.9893e+01, 6.5306e-01, 1.9540e+00],
[2.2910e+01, 9.8319e-02, 8.3029e-01],
[1.7570e+01, 1.5309e-02, 7.3309e-01],
[4.8554e-01, 3.8597e-05, 5.3015e-02],
[2.8167e+02, 3.6859e+00, 4.7616e+00],
[1.7332e+02, 2.1258e+00, 3.6237e+00],
[1.1728e+00, 6.1233e-04, 1.0682e-01],
[5.3582e+01, 4.4135e-01, 2.8970e+00],
[6.3501e-01, 1.4075e-04, 7.4449e-02],
[3.5131e+01, 1.0876e-01, 1.2268e+00]], dtype=torch.float64)
Iteration: 156
Inputs: tensor([[3.8093e+20, 1.0405e+02, 1.4441e+01, 9.8061e+00],
[1.5277e+18, 3.8127e+02, 9.4205e+00, 3.9300e+00],
[8.6476e+18, 2.4545e+02, 9.6809e+00, 2.5053e+00],
...,
[3.2913e+20, 1.3591e+02, 1.1304e+01, 9.9250e+00],
[4.3139e+20, 1.9287e+02, 1.7372e+01, 9.7617e+00],
[2.0950e+19, 6.7056e+01, 1.7080e+01, 9.4989e+00]], dtype=torch.float64)
Target: tensor([[4.2705e+01, 8.1829e-01, 2.3046e+00],
[1.9293e-01, 6.1073e-06, 2.0692e-02],
[8.0139e-01, 6.7432e-05, 8.5310e-02],
[2.7505e+01, 1.0953e-01, 1.9799e+00],
[1.7190e+02, 3.8752e+00, 4.5979e+00],
[5.3360e+01, 1.6473e-02, 1.4707e+00],
[8.7852e-02, 1.2946e-06, 1.1347e-02],
[2.5242e+02, 1.6067e+00, 5.0002e+00],
[3.3436e+00, 9.1280e-03, 3.6379e-01],
[2.9381e+01, 1.6148e-02, 1.0792e+00],
[7.1918e+01, 3.5282e-01, 1.7327e+00],
[1.1548e+00, 1.3472e-04, 8.3635e-02],

```

[1.8688e+01, 2.6874e-02, 1.0848e+00],  
 [1.2084e+01, 1.1917e-02, 7.7503e-01],  
 [6.9563e+00, 1.6366e-03, 5.0271e-01],  
 [6.4900e+01, 3.7916e-01, 1.9439e+00],  
 [1.6517e+02, 8.0984e-01, 3.3594e+00],  
 [3.6971e+00, 1.1223e-03, 4.2227e-01],  
 [2.1524e+01, 8.2745e-02, 7.7278e-01],  
 [2.7301e-01, 9.2930e-05, 3.9921e-02],  
 [1.8734e+00, 2.1690e-03, 1.7151e-01],  
 [1.1973e+00, 4.5640e-04, 9.1883e-02],  
 [4.2345e+00, 2.4929e-03, 2.8860e-01],  
 [5.3483e-01, 1.9032e-04, 4.9330e-02],  
 [7.2203e+01, 5.2552e-02, 2.2035e+00],  
 [3.6632e+00, 1.3835e-03, 3.8249e-01],  
 [8.1389e+01, 1.3295e+00, 3.4581e+00],  
 [8.7048e-01, 4.3094e-04, 1.0466e-01],  
 [1.6186e+01, 3.8079e-02, 5.8456e-01],  
 [1.8852e-01, 1.1720e-05, 2.4035e-02],  
 [1.3602e+00, 2.5500e-04, 9.9056e-02],  
 [4.8533e+01, 4.9701e-01, 1.4774e+00],  
 [7.2935e+01, 1.2041e+00, 1.9030e+00],  
 [5.1053e+01, 2.3545e-01, 1.2126e+00],  
 [3.5979e-01, 2.2432e-05, 4.5854e-02],  
 [8.9999e+00, 1.3181e-02, 6.8526e-01],  
 [1.3616e+00, 2.0058e-04, 1.0035e-01],  
 [8.2035e+00, 9.6433e-03, 5.3542e-01],  
 [8.4255e+00, 2.3028e-03, 5.5384e-01],  
 [2.2924e+01, 8.2066e-02, 8.7498e-01],  
 [4.7136e+00, 3.4125e-03, 2.8758e-01],  
 [3.1367e+01, 9.2645e-02, 9.3935e-01],  
 [2.3316e+01, 1.1827e-02, 6.7461e-01],  
 [6.3665e+01, 6.0041e-02, 2.9813e+00],  
 [1.2930e+02, 2.9685e+00, 2.6647e+00],  
 [4.5634e+00, 5.1684e-03, 2.9810e-01],  
 [1.3807e-02, 1.9352e-07, 2.0635e-03],  
 [5.9720e+01, 7.7438e-01, 2.0934e+00],  
 [1.8920e+01, 1.0698e-01, 7.3202e-01],  
 [4.4872e+01, 1.3010e-01, 2.5625e+00],  
 [1.6261e-01, 1.9355e-05, 1.8231e-02],  
 [9.5524e-02, 4.1136e-06, 1.1566e-02],  
 [4.2426e+01, 7.0159e-02, 1.0189e+00],  
 [2.4771e-01, 3.2509e-05, 3.1672e-02],  
 [5.6065e+01, 8.8053e-01, 1.6302e+00],  
 [4.7087e-02, 3.9460e-07, 6.2793e-03],  
 [3.4014e-02, 7.7859e-07, 4.6148e-03],  
 [5.8373e+01, 1.5910e-02, 1.9482e+00],  
 [1.5812e+02, 1.3691e+00, 3.8530e+00],  
 [4.7871e-02, 1.3180e-06, 6.7826e-03],

[3.7998e+01, 3.6550e-01, 1.6995e+00],  
[1.6562e+00, 1.8061e-03, 1.4242e-01],  
[3.6314e-01, 2.3179e-05, 3.3469e-02],  
[3.1120e+01, 1.1655e-01, 1.1576e+00],  
[8.0449e+00, 2.7098e-03, 3.0698e-01],  
[1.5005e-02, 1.2550e-07, 2.2649e-03],  
[3.7439e+01, 7.0985e-02, 1.0884e+00],  
[4.7538e-01, 1.1206e-04, 5.9435e-02],  
[3.1102e-01, 9.7607e-05, 3.9407e-02],  
[2.3246e+02, 4.4426e+00, 4.6057e+00],  
[3.0296e+01, 5.8044e-02, 1.4394e+00],  
[8.2176e-01, 1.4439e-04, 8.5463e-02],  
[2.2711e+00, 3.3363e-03, 2.5650e-01],  
[1.5515e+00, 1.3687e-03, 1.4803e-01],  
[2.8949e+01, 4.2955e-01, 2.3600e+00],  
[4.5692e+00, 4.3566e-03, 3.8328e-01],  
[9.2116e+00, 2.6167e-02, 6.7287e-01],  
[2.1521e+01, 4.5929e-02, 7.4758e-01],  
[4.2012e-01, 7.3659e-05, 4.0016e-02],  
[2.4901e+01, 1.6253e-01, 1.2097e+00],  
[7.1665e-01, 2.7521e-04, 7.7997e-02],  
[2.6692e+01, 3.7943e-01, 1.3975e+00],  
[3.3187e+00, 2.6107e-04, 1.9623e-01],  
[2.9895e+01, 1.2742e-01, 1.0275e+00],  
[5.6651e-02, 1.8439e-06, 7.8400e-03],  
[3.4272e-01, 5.0228e-05, 3.7039e-02],  
[1.2957e+01, 1.0450e-02, 1.2677e+00],  
[4.7322e+01, 4.6442e-01, 2.6285e+00],  
[2.0999e-01, 6.9698e-06, 2.5573e-02],  
[3.7336e+01, 1.0795e-01, 2.1793e+00],  
[8.3986e+01, 6.1083e-01, 3.6106e+00],  
[2.5497e+00, 9.0070e-04, 2.1880e-01],  
[1.1149e+02, 1.1814e+00, 2.5790e+00],  
[6.2801e+01, 3.0971e-01, 1.7756e+00],  
[8.8231e-01, 7.4273e-06, 6.1239e-02],  
[3.1186e-01, 9.9643e-05, 4.4797e-02],  
[3.5014e+00, 1.0270e-03, 2.0147e-01],  
[3.6744e+00, 3.7469e-03, 2.3677e-01],  
[8.5407e-01, 1.2579e-04, 5.2352e-02],  
[2.8588e+01, 3.9186e-01, 2.1597e+00],  
[1.3504e+02, 6.9091e-01, 3.9084e+00],  
[1.5317e+00, 3.7913e-04, 1.1625e-01],  
[1.2782e+01, 8.0763e-03, 7.9301e-01],  
[7.4135e+01, 7.4500e-01, 2.7762e+00],  
[7.5143e+01, 1.0670e+00, 2.2657e+00],  
[1.5158e+00, 9.1909e-04, 2.0346e-01],  
[3.0520e-01, 6.0967e-05, 3.4969e-02],  
[8.0904e-01, 2.6780e-04, 9.2948e-02],

[1.0091e+02, 1.5978e+00, 2.2339e+00],  
[1.6817e+02, 1.9426e+00, 3.8804e+00],  
[6.3716e+01, 2.6308e-01, 1.7857e+00],  
[4.5184e+01, 4.9071e-01, 2.5493e+00],  
[7.0888e+00, 3.4243e-02, 7.3046e-01],  
[2.2894e+01, 4.7485e-02, 1.7242e+00],  
[2.2777e+00, 2.3403e-03, 2.2389e-01],  
[2.1447e+01, 1.4063e-01, 7.7422e-01],  
[5.6953e+01, 6.7795e-02, 1.6265e+00],  
[1.3791e+00, 8.9169e-04, 1.0395e-01],  
[9.4775e+00, 5.8844e-03, 6.0135e-01],  
[2.8023e+02, 2.2040e+00, 4.4497e+00],  
[1.1141e+01, 1.4684e-02, 7.8725e-01],  
[1.2620e+02, 1.3674e+00, 3.0195e+00],  
[2.1756e+02, 6.0505e-01, 4.0651e+00],  
[5.8675e+01, 1.0765e-01, 2.6164e+00],  
[1.2947e+02, 1.2851e+00, 3.7813e+00],  
[1.2259e+01, 2.3661e-02, 4.5625e-01],  
[1.7110e+01, 1.4259e-01, 9.5758e-01],  
[1.1064e+02, 1.2360e+00, 2.7136e+00],  
[1.5688e-01, 8.2593e-06, 2.2178e-02],  
[3.4489e+01, 6.2707e-02, 2.0705e+00],  
[7.3071e+01, 6.0224e-02, 1.5378e+00],  
[5.9400e-03, 1.6859e-08, 9.1091e-04],  
[1.2768e+00, 2.3537e-04, 1.1259e-01],  
[1.9753e+01, 5.9904e-02, 1.4106e+00],  
[2.9660e+01, 1.7202e-01, 1.0749e+00],  
[1.6024e+01, 2.3976e-02, 9.1911e-01],  
[8.6374e-01, 7.5323e-05, 5.9498e-02],  
[5.9869e+00, 4.8931e-03, 2.6703e-01],  
[6.2418e-01, 7.2092e-05, 6.5003e-02],  
[9.9861e+00, 9.9736e-03, 4.8996e-01],  
[6.4555e-03, 1.3319e-08, 9.9575e-04],  
[6.1706e+00, 1.0015e-02, 3.9756e-01],  
[1.0459e+02, 1.2102e+00, 2.8719e+00],  
[1.7279e+01, 6.1321e-03, 5.2831e-01],  
[2.7336e+00, 2.7941e-03, 2.2142e-01],  
[7.7816e-01, 1.2970e-04, 7.0029e-02],  
[7.0726e-01, 1.0784e-04, 6.7266e-02],  
[6.5612e-01, 6.9272e-06, 5.1359e-02],  
[3.0649e+00, 1.0020e-03, 3.0796e-01],  
[1.3904e+01, 1.1769e-02, 1.3816e+00],  
[5.1830e-01, 1.1034e-04, 5.4424e-02],  
[1.8661e+02, 2.3214e+00, 3.5254e+00],  
[3.4096e+00, 4.7753e-03, 3.8919e-01],  
[2.3780e+01, 8.6823e-02, 1.3380e+00],  
[5.0260e+01, 7.5270e-01, 1.3273e+00],  
[2.4419e+01, 1.6889e-02, 7.7771e-01],

[3.7177e+01, 5.3807e-01, 2.2222e+00],  
 [5.5075e-01, 7.6368e-05, 6.7497e-02],  
 [8.7200e+00, 5.6232e-04, 4.5234e-01],  
 [2.0826e+01, 3.4633e-02, 1.8538e+00],  
 [3.9822e+00, 2.7840e-03, 5.1328e-01],  
 [1.2859e+01, 4.2437e-03, 4.1051e-01],  
 [4.4814e+00, 6.0687e-03, 2.3238e-01],  
 [2.0389e+02, 3.4445e+00, 4.5614e+00],  
 [1.3723e+01, 3.3269e-02, 8.2726e-01],  
 [2.4485e+01, 1.2651e-01, 9.6848e-01],  
 [1.8193e-01, 1.8595e-05, 2.2101e-02],  
 [2.2032e+01, 5.3182e-02, 7.7015e-01],  
 [9.3274e-02, 6.9993e-06, 1.2687e-02],  
 [7.6709e+01, 1.8325e+00, 2.2067e+00],  
 [1.8687e+01, 6.8933e-02, 8.1068e-01],  
 [1.4548e+02, 3.0545e+00, 3.2580e+00],  
 [1.4644e+02, 4.4312e+00, 3.2329e+00],  
 [3.3776e-02, 1.1962e-07, 4.8077e-03],  
 [1.4461e+01, 4.4291e-02, 5.8245e-01],  
 [6.3462e+01, 5.2994e-01, 1.4897e+00],  
 [4.0473e+01, 1.2095e-01, 2.3609e+00],  
 [2.1545e+00, 6.3919e-04, 2.7628e-01],  
 [2.3015e+01, 6.6013e-02, 1.1301e+00],  
 [1.5305e+01, 6.2179e-02, 1.2027e+00],  
 [1.2756e+02, 4.1702e-01, 2.4375e+00],  
 [3.8556e+00, 7.3873e-03, 2.7658e-01],  
 [1.5693e+02, 7.1988e-01, 4.0394e+00],  
 [4.2384e+00, 1.1282e-03, 1.8039e-01],  
 [2.8726e+01, 7.8534e-02, 1.8550e+00],  
 [1.7094e+00, 3.9571e-05, 1.3245e-01],  
 [1.0248e-01, 8.0297e-06, 1.3096e-02],  
 [7.8327e+01, 1.3071e+00, 2.2057e+00],  
 [5.6450e+01, 9.4895e-01, 2.0123e+00],  
 [9.1169e+01, 2.8736e-01, 2.2142e+00],  
 [2.2271e-01, 2.7478e-05, 2.4243e-02],  
 [2.5046e+01, 2.2018e-01, 1.8442e+00],  
 [2.4815e-01, 8.5575e-06, 2.5343e-02],  
 [2.6199e+00, 3.7418e-03, 2.1163e-01],  
 [8.7301e+00, 1.3045e-02, 4.9381e-01],  
 [1.5896e+00, 6.0010e-04, 1.4380e-01],  
 [1.4470e+02, 1.5384e+00, 4.3774e+00],  
 [8.3377e+01, 1.3679e+00, 2.6659e+00],  
 [8.5385e-01, 3.8621e-04, 9.0701e-02],  
 [3.2494e-01, 3.4520e-05, 3.0230e-02],  
 [3.8645e-01, 2.5280e-05, 3.2646e-02],  
 [1.0080e+00, 2.5223e-04, 8.0018e-02],  
 [1.2610e+00, 5.7505e-04, 1.2939e-01],  
 [3.4258e+01, 1.2107e-01, 1.3510e+00],

[8.7440e-01, 5.7209e-04, 9.3601e-02],  
[4.6137e+01, 7.7718e-01, 3.0050e+00],  
[2.2563e-01, 8.7275e-06, 2.7630e-02],  
[1.6265e+02, 3.6776e+00, 2.8396e+00],  
[8.9035e+00, 8.0116e-03, 2.9612e-01],  
[6.7494e+01, 4.4547e-01, 1.4934e+00],  
[2.7377e+00, 1.6332e-03, 3.6778e-01],  
[2.8612e+01, 9.3932e-02, 8.4079e-01],  
[1.1788e+00, 1.1206e-03, 1.1176e-01],  
[6.7374e+01, 5.4048e-01, 3.0455e+00],  
[3.0870e+01, 4.8455e-02, 1.1291e+00],  
[3.9230e+01, 1.0584e-01, 2.2461e+00],  
[1.8763e+00, 1.5865e-03, 2.2772e-01],  
[2.7981e+01, 1.2575e-01, 1.3902e+00],  
[4.2437e-01, 1.9778e-05, 3.6048e-02],  
[1.5928e+02, 2.2456e+00, 2.6289e+00],  
[4.7033e+01, 4.9168e-01, 1.4226e+00],  
[9.1419e+00, 2.3481e-02, 4.9779e-01],  
[1.3847e+00, 6.3312e-04, 1.4236e-01],  
[1.8620e+01, 1.0131e-02, 8.2747e-01],  
[1.0528e+00, 2.5444e-04, 1.5092e-01],  
[9.7160e+01, 7.7799e-01, 4.2160e+00],  
[4.5335e-02, 1.2251e-06, 6.7229e-03],  
[2.0921e+01, 4.5310e-02, 8.4018e-01],  
[2.0511e+00, 6.7090e-04, 1.4698e-01],  
[1.7734e+00, 1.5087e-03, 1.3483e-01],  
[4.4744e+01, 2.8113e-01, 2.1622e+00],  
[4.4663e-01, 1.0299e-04, 5.4552e-02],  
[1.0975e-01, 3.2163e-06, 1.6276e-02],  
[9.0682e-01, 1.8261e-04, 7.4717e-02],  
[4.2090e+01, 4.6630e-01, 1.2254e+00],  
[8.6344e+00, 6.5017e-03, 5.3304e-01],  
[1.6606e+02, 1.5172e+00, 3.9187e+00],  
[1.3775e+01, 4.1293e-02, 8.9193e-01],  
[7.8849e+01, 7.6886e-01, 2.1732e+00],  
[2.0157e+01, 8.4033e-02, 9.8179e-01],  
[1.7217e+02, 3.1164e+00, 3.6572e+00],  
[7.0976e+01, 8.7079e-01, 2.0938e+00],  
[2.5124e+02, 1.0158e+01, 4.9546e+00],  
[8.6130e+01, 1.4153e-01, 2.4422e+00],  
[3.1143e+01, 1.2270e-01, 1.8195e+00],  
[1.5188e+01, 9.3504e-03, 4.6291e-01],  
[9.6147e+00, 5.3735e-02, 7.5998e-01],  
[8.0521e-01, 2.4535e-04, 8.6542e-02],  
[6.4843e+01, 3.7529e-01, 3.0899e+00],  
[7.5771e+01, 7.0875e-01, 1.9622e+00],  
[6.6518e-01, 9.8637e-05, 4.7889e-02],  
[1.0088e-01, 8.4973e-06, 1.4933e-02],

[8.1239e+00, 6.0078e-03, 4.3290e-01],  
 [1.4972e+01, 2.1476e-02, 9.7187e-01],  
 [1.4352e+01, 3.1493e-02, 1.4047e+00],  
 [2.8443e+01, 2.7688e-02, 8.8222e-01],  
 [1.6204e+02, 2.8245e+00, 3.0270e+00],  
 [2.9033e+01, 8.7122e-02, 7.7512e-01],  
 [2.1011e+02, 1.0707e+01, 4.3513e+00],  
 [2.0411e-01, 4.2925e-06, 2.6707e-02],  
 [1.1767e+01, 2.6024e-02, 9.4939e-01],  
 [6.9838e-01, 1.0290e-04, 7.2518e-02],  
 [7.4627e+00, 1.1899e-03, 4.0587e-01],  
 [5.2644e-02, 1.0535e-06, 7.9709e-03],  
 [4.3513e+00, 1.1969e-03, 4.6872e-01],  
 [1.4224e+01, 5.2208e-02, 6.7795e-01],  
 [8.5947e+01, 6.6239e-01, 3.6254e+00],  
 [2.1125e+00, 2.0427e-03, 1.6548e-01],  
 [9.6231e+01, 7.1821e-01, 2.0205e+00],  
 [2.7171e+00, 2.8578e-03, 2.0927e-01],  
 [1.5156e+00, 4.7475e-04, 9.7006e-02],  
 [7.6110e+01, 1.0016e+00, 2.6936e+00],  
 [4.4065e+01, 8.2284e-02, 9.6882e-01],  
 [2.1384e+00, 8.4575e-04, 1.5453e-01],  
 [3.2865e+01, 1.1743e-01, 1.0983e+00],  
 [6.5358e+01, 1.3799e+00, 2.3674e+00],  
 [2.0923e+00, 7.0305e-04, 1.7136e-01],  
 [2.8206e-01, 1.1168e-04, 3.7590e-02],  
 [3.2418e+00, 3.2735e-03, 3.4205e-01],  
 [4.4062e-01, 5.9601e-05, 4.3984e-02],  
 [3.1050e+01, 1.8627e-01, 2.1514e+00],  
 [1.5630e+01, 2.1445e-02, 8.4633e-01],  
 [1.0285e-01, 4.4984e-06, 1.2079e-02],  
 [4.4310e+01, 3.3120e-01, 2.7834e+00],  
 [2.3249e-03, 5.6521e-09, 3.7012e-04],  
 [6.7770e+01, 5.1885e-01, 2.4599e+00],  
 [5.9109e+00, 1.4008e-03, 4.7499e-01],  
 [3.2334e+01, 1.2941e-01, 1.0067e+00],  
 [2.4202e+00, 1.3774e-03, 1.5735e-01],  
 [3.7728e+01, 3.0992e-01, 1.5917e+00],  
 [3.9407e+01, 7.5841e-02, 1.4754e+00],  
 [1.8278e+01, 8.4784e-02, 7.9392e-01],  
 [1.7574e-02, 2.8987e-07, 2.7429e-03],  
 [4.9955e+01, 1.4220e-01, 2.5318e+00],  
 [9.0003e-01, 9.6790e-05, 5.7225e-02],  
 [9.3154e+01, 9.5711e-01, 2.2027e+00],  
 [1.2674e+01, 9.6400e-02, 1.0420e+00],  
 [9.8799e-03, 1.1839e-08, 1.5267e-03],  
 [1.5897e+01, 3.1113e-02, 9.0349e-01],  
 [1.3201e+01, 5.3414e-02, 6.5775e-01],



```

[3.8261e+00, 3.5776e-03, 3.1069e-01],
[6.2604e+00, 2.7150e-02, 4.3574e-01],
[1.8303e+02, 7.7348e+00, 4.2016e+00],
[7.6135e-01, 1.4558e-04, 8.2258e-02],
[2.0960e-01, 3.1958e-05, 2.2763e-02],
[1.2233e-01, 3.1814e-06, 1.8142e-02],
[2.1029e-03, 8.7793e-10, 3.3806e-04],
[3.9331e-01, 1.6756e-05, 3.2202e-02],
[1.1443e-02, 6.9080e-08, 1.7279e-03],
[1.0845e+00, 2.9925e-04, 1.0113e-01],
[8.6047e-02, 1.6315e-06, 1.1989e-02],
[1.9674e+01, 4.3398e-02, 9.6208e-01],
[8.6980e+01, 2.8929e-01, 1.9379e+00],
[2.7489e+00, 4.7247e-03, 3.4506e-01],
[1.6048e+01, 1.5068e-01, 1.2462e+00],
[1.0840e+02, 9.2908e-01, 3.2849e+00],
[4.3353e+00, 4.5397e-04, 2.3952e-01],
[5.6488e+01, 1.0428e+00, 2.4101e+00],
[7.4862e+01, 2.1019e+00, 2.8938e+00],
[8.9339e-01, 1.0089e-03, 1.0581e-01]], dtype=torch.float64)
Iteration: 157
Inputs: tensor([[2.4106e+19, 3.1179e+02, 1.7652e+01, 4.6830e+00],
[2.2417e+19, 2.3606e+01, 8.3061e+00, 7.9692e+00],
[2.7958e+18, 4.3555e+02, 2.7757e+00, 5.1431e+00],
...,
[1.8474e+20, 1.2730e+02, 1.1693e+01, 7.2233e+00],
[4.9847e+19, 3.1682e+02, 1.4821e+01, 8.3764e+00],
[2.9385e+19, 8.0822e+01, 5.5547e-01, 3.5096e+00]], dtype=torch.float64)
Target: tensor([[5.1986e+00, 6.4252e-03, 3.6821e-01],
[2.5154e-01, 6.1413e-05, 3.5381e-02],
[1.6122e+00, 1.4477e-04, 9.2522e-02],
[5.6461e+00, 1.0896e-02, 4.3633e-01],
[1.8756e+00, 3.4222e-04, 1.1767e-01],
[2.3391e+02, 2.6258e+00, 4.1914e+00],
[2.1039e+00, 8.8926e-04, 2.7772e-01],
[3.3126e-01, 4.9886e-05, 3.6865e-02],
[2.0838e-01, 6.9026e-06, 2.5071e-02],
[6.5366e+00, 1.3934e-03, 3.6231e-01],
[1.0152e+01, 4.3134e-03, 8.1403e-01],
[1.3699e+02, 1.3599e+00, 4.0776e+00],
[7.7606e-01, 5.8642e-05, 7.9699e-02],
[7.5782e-03, 2.8277e-08, 1.1702e-03],
[6.2884e+00, 3.3004e-03, 5.6932e-01],
[8.9135e-02, 4.2152e-07, 1.1159e-02],
[6.8508e+00, 5.7800e-03, 3.4111e-01],
[3.5373e-01, 1.1320e-05, 4.2486e-02],
[4.9938e+00, 2.8527e-03, 3.2214e-01],
[5.6901e+00, 7.5539e-03, 3.5318e-01],

```

[1.9627e+01, 4.1738e-02, 9.5389e-01],  
 [6.3516e+00, 8.9980e-03, 2.8847e-01],  
 [6.5556e+01, 1.4918e+00, 3.7017e+00],  
 [6.9506e+01, 9.0422e-01, 2.8104e+00],  
 [9.7975e+01, 9.3707e-02, 3.1296e+00],  
 [4.1494e+00, 4.2356e-03, 2.5660e-01],  
 [4.3733e+01, 6.8693e-03, 1.0661e+00],  
 [4.9039e+01, 7.7028e-01, 1.9822e+00],  
 [4.6061e+00, 1.2660e-03, 3.9952e-01],  
 [1.9275e+02, 4.6433e+00, 4.2933e+00],  
 [4.8429e-01, 4.3436e-05, 4.4977e-02],  
 [1.0810e+00, 5.5604e-04, 8.9673e-02],  
 [1.3087e+02, 2.2113e+00, 3.5982e+00],  
 [5.3134e-01, 6.1586e-05, 5.8448e-02],  
 [1.9361e+01, 5.4010e-02, 9.3766e-01],  
 [2.1259e+02, 5.0064e+00, 3.6661e+00],  
 [1.2453e+01, 2.5604e-02, 1.2510e+00],  
 [4.1784e-02, 4.3368e-07, 5.5787e-03],  
 [3.4399e+01, 2.1369e-01, 1.5017e+00],  
 [2.9455e+01, 6.6733e-02, 1.0362e+00],  
 [1.2905e+01, 6.1307e-02, 6.0750e-01],  
 [1.0654e-03, 1.7263e-10, 1.7389e-04],  
 [3.3112e+01, 1.9157e-02, 1.6114e+00],  
 [7.0297e+00, 1.5379e-02, 4.0466e-01],  
 [6.7775e+00, 2.7761e-03, 2.7205e-01],  
 [5.6837e+01, 2.9031e-01, 1.2483e+00],  
 [5.1683e+01, 8.2323e-01, 1.8143e+00],  
 [1.4286e+00, 6.5163e-04, 1.0964e-01],  
 [8.3599e-01, 2.2204e-04, 1.2129e-01],  
 [8.0525e-01, 2.8361e-04, 8.8141e-02],  
 [8.8873e+00, 1.3387e-02, 6.8489e-01],  
 [4.0140e+01, 2.4468e-01, 1.3521e+00],  
 [1.9305e+01, 6.1865e-02, 6.2150e-01],  
 [4.2256e+01, 3.2407e-01, 2.9083e+00],  
 [4.0256e+01, 3.2190e-01, 1.8493e+00],  
 [1.5103e+02, 1.2890e+00, 3.6150e+00],  
 [3.6790e-01, 6.1635e-05, 3.7705e-02],  
 [2.1842e+02, 3.7543e+00, 3.9421e+00],  
 [7.1422e+00, 1.5056e-02, 3.6113e-01],  
 [1.4221e+02, 3.5405e+00, 2.9631e+00],  
 [1.0046e+02, 2.1822e+00, 2.8621e+00],  
 [1.1377e+02, 3.7871e+00, 2.7248e+00],  
 [2.3108e-02, 8.0957e-08, 3.4411e-03],  
 [2.7439e+01, 8.4845e-02, 9.9609e-01],  
 [4.5942e+01, 3.4389e-01, 2.7869e+00],  
 [7.5862e-01, 3.6923e-05, 8.4196e-02],  
 [9.6120e+01, 1.2625e+00, 3.0927e+00],  
 [1.6524e+02, 5.1143e+00, 3.8135e+00],

[3.8629e+00, 1.0823e-03, 2.5167e-01],  
 [1.0165e+02, 1.6077e+00, 3.4402e+00],  
 [4.9726e+01, 7.8487e-01, 2.3936e+00],  
 [7.5546e+01, 2.4476e-01, 1.7723e+00],  
 [1.3978e+02, 4.1607e+00, 3.4459e+00],  
 [3.7301e+00, 3.2954e-03, 3.9316e-01],  
 [2.3851e+01, 6.4603e-02, 1.1420e+00],  
 [6.1010e+01, 6.3768e-01, 2.3592e+00],  
 [2.3747e+01, 1.1695e-01, 6.9831e-01],  
 [1.2498e+01, 1.0476e-02, 5.1986e-01],  
 [1.8071e+00, 2.5453e-04, 1.5023e-01],  
 [1.1019e+01, 1.1987e-02, 4.4852e-01],  
 [1.7003e+01, 3.2933e-02, 1.2180e+00],  
 [3.8164e+00, 2.8620e-03, 2.6852e-01],  
 [4.9145e-02, 2.5332e-07, 7.3852e-03],  
 [1.2352e+00, 4.2908e-04, 9.9351e-02],  
 [1.1565e+02, 4.0607e-01, 2.7032e+00],  
 [9.4528e-02, 6.5247e-06, 1.1372e-02],  
 [1.6185e+00, 4.2514e-04, 1.7098e-01],  
 [3.7314e+00, 8.4960e-03, 3.7507e-01],  
 [2.7855e+00, 9.2919e-04, 1.6747e-01],  
 [5.4186e-02, 1.1285e-06, 7.1109e-03],  
 [1.3897e+02, 2.4596e+00, 2.8258e+00],  
 [7.9452e-01, 1.6841e-04, 6.6881e-02],  
 [1.1231e+00, 5.0013e-04, 1.0983e-01],  
 [1.5520e+01, 3.8951e-03, 5.7367e-01],  
 [1.0512e+01, 1.0537e-02, 5.2018e-01],  
 [2.9946e-01, 3.1655e-05, 2.9445e-02],  
 [1.7517e+01, 1.4295e-01, 8.0299e-01],  
 [1.3967e+02, 1.5855e+00, 3.3535e+00],  
 [8.0486e+00, 4.2827e-03, 4.2220e-01],  
 [9.2047e-03, 7.1868e-09, 1.4093e-03],  
 [1.3714e+01, 7.1432e-03, 8.5808e-01],  
 [3.1725e+01, 6.9248e-02, 2.0635e+00],  
 [8.7980e+00, 3.3487e-03, 6.9772e-01],  
 [2.3391e+01, 1.1334e-01, 1.0664e+00],  
 [3.1624e+01, 2.1081e-01, 1.2039e+00],  
 [1.3018e+00, 4.0997e-04, 8.5221e-02],  
 [1.2404e+02, 1.0223e+00, 2.3538e+00],  
 [3.4148e+01, 2.3873e-01, 1.4403e+00],  
 [2.1057e+01, 2.7174e-02, 1.2915e+00],  
 [1.1109e-01, 5.0520e-06, 1.4980e-02],  
 [9.0471e+00, 1.5396e-02, 4.1289e-01],  
 [4.4767e+00, 2.8534e-03, 4.4263e-01],  
 [3.7603e+01, 2.4451e-01, 1.3345e+00],  
 [2.0455e+02, 5.1430e+00, 3.6002e+00],  
 [2.8746e+00, 1.0522e-03, 1.3929e-01],  
 [2.9914e+01, 6.2365e-02, 1.6157e+00],

[1.0149e+01, 3.3395e-02, 6.1189e-01],  
 [1.7667e+01, 9.9400e-02, 1.1332e+00],  
 [3.1256e+01, 2.5160e-02, 1.8312e+00],  
 [9.4854e+01, 7.5185e-01, 1.6671e+00],  
 [2.2248e+00, 2.0686e-03, 1.7988e-01],  
 [1.4366e-03, 1.6967e-09, 2.3003e-04],  
 [4.2620e-02, 2.2678e-07, 6.5446e-03],  
 [2.2692e-01, 2.4500e-05, 2.8058e-02],  
 [6.8978e+01, 1.3530e-01, 3.4092e+00],  
 [7.8941e+00, 1.0658e-02, 5.0449e-01],  
 [4.5924e-02, 2.1885e-07, 6.6786e-03],  
 [4.7455e+00, 2.6955e-03, 2.1759e-01],  
 [9.5248e+00, 2.8973e-02, 6.9888e-01],  
 [5.3156e+00, 4.6694e-03, 3.1948e-01],  
 [1.1859e+01, 2.0379e-02, 4.9063e-01],  
 [3.2292e+01, 3.2786e-01, 9.4978e-01],  
 [1.5913e+01, 1.8299e-02, 1.2290e+00],  
 [2.9064e+00, 3.4007e-03, 3.8392e-01],  
 [1.1866e+01, 4.3471e-02, 1.2745e+00],  
 [9.5413e-03, 1.1637e-08, 1.4603e-03],  
 [9.2245e+01, 3.0934e-01, 1.6688e+00],  
 [9.2250e+00, 2.4907e-03, 6.8472e-01],  
 [3.9744e-01, 8.3429e-05, 4.6094e-02],  
 [3.1595e+01, 5.4998e-02, 7.1524e-01],  
 [3.4039e+01, 6.0872e-01, 1.9357e+00],  
 [5.3732e+00, 2.3530e-02, 5.2996e-01],  
 [4.2016e+01, 1.9104e-01, 1.6035e+00],  
 [2.1205e+00, 3.2410e-04, 2.3261e-01],  
 [2.6975e-01, 5.5502e-05, 3.0948e-02],  
 [1.6534e+01, 1.0662e-02, 7.9865e-01],  
 [1.7398e+01, 1.3709e-01, 1.1475e+00],  
 [4.1150e+00, 8.1075e-04, 2.6427e-01],  
 [1.7788e+00, 3.9432e-04, 1.4160e-01],  
 [4.6030e-01, 1.1834e-04, 4.4034e-02],  
 [9.6177e-01, 1.3430e-04, 9.3161e-02],  
 [1.2903e+00, 7.0736e-04, 1.2195e-01],  
 [3.1344e+01, 2.6446e-01, 1.1817e+00],  
 [2.0493e+01, 9.1731e-02, 9.5196e-01],  
 [1.9018e+01, 3.7781e-02, 8.7405e-01],  
 [7.2943e+01, 1.0212e+00, 2.5790e+00],  
 [2.0467e+01, 1.2218e-02, 1.0311e+00],  
 [1.3781e+00, 8.1715e-05, 1.0959e-01],  
 [1.2305e+01, 3.5335e-02, 6.6293e-01],  
 [7.8572e+01, 9.1285e-01, 3.3515e+00],  
 [1.2094e+02, 2.2497e+00, 3.1716e+00],  
 [2.5330e-01, 5.2404e-06, 2.6828e-02],  
 [1.9454e+01, 8.7717e-02, 8.8035e-01],  
 [1.4906e-01, 3.5819e-06, 1.9699e-02],

[2.1394e-01, 1.4881e-05, 2.6252e-02],  
 [3.1119e-01, 4.1808e-05, 3.6085e-02],  
 [3.0965e+00, 1.7044e-04, 2.3171e-01],  
 [4.2583e+01, 5.1935e-01, 1.1498e+00],  
 [2.1206e+01, 9.8824e-02, 1.4660e+00],  
 [1.9178e+01, 9.4971e-02, 8.3040e-01],  
 [1.2107e+02, 3.9086e+00, 3.2513e+00],  
 [1.7249e+00, 3.2942e-04, 1.0836e-01],  
 [1.8150e-01, 1.0921e-05, 2.2805e-02],  
 [1.8132e-01, 8.0859e-07, 1.9403e-02],  
 [9.2518e-01, 1.1739e-04, 1.3795e-01],  
 [5.9732e+01, 1.0341e+00, 1.5544e+00],  
 [1.9651e-01, 8.5414e-06, 2.2967e-02],  
 [1.2885e+02, 1.8253e+00, 2.7914e+00],  
 [3.6895e+00, 1.0160e-03, 3.1148e-01],  
 [2.6634e+00, 1.1558e-03, 2.8685e-01],  
 [1.8735e+01, 6.1636e-02, 7.9944e-01],  
 [2.5310e+00, 1.8684e-03, 1.7272e-01],  
 [6.2431e+00, 1.8827e-04, 3.1521e-01],  
 [3.6358e+01, 3.8424e-02, 9.6045e-01],  
 [4.7760e-01, 4.1676e-05, 4.2500e-02],  
 [5.6240e+01, 1.8645e-01, 2.4229e+00],  
 [6.0522e-02, 4.1654e-06, 8.1129e-03],  
 [1.3857e+00, 3.6644e-04, 1.1010e-01],  
 [7.0676e+00, 1.1060e-02, 3.9766e-01],  
 [6.0677e+01, 3.3751e-01, 1.7474e+00],  
 [4.4457e+01, 5.7159e-01, 2.2286e+00],  
 [1.4630e+01, 2.9835e-02, 5.8036e-01],  
 [1.0686e-01, 2.6367e-06, 1.4373e-02],  
 [3.8832e+00, 7.4140e-03, 3.1866e-01],  
 [7.3751e+00, 3.4416e-03, 4.9128e-01],  
 [5.2304e+01, 3.6410e-01, 1.6088e+00],  
 [3.2924e-01, 4.7382e-05, 3.2286e-02],  
 [6.3430e+01, 3.8446e-01, 1.8599e+00],  
 [5.3712e+01, 1.1697e-01, 1.6866e+00],  
 [5.7754e-01, 3.0720e-05, 3.9772e-02],  
 [1.4458e+01, 1.1004e-02, 1.3010e+00],  
 [7.1099e-01, 5.7837e-06, 4.4414e-02],  
 [2.5601e+00, 1.5656e-03, 2.3899e-01],  
 [6.2727e+01, 4.1787e-01, 1.7455e+00],  
 [5.3169e-01, 1.0780e-04, 4.4322e-02],  
 [7.7993e-02, 2.0885e-06, 1.0102e-02],  
 [3.0433e+01, 1.6540e-01, 1.8990e+00],  
 [1.0029e+02, 1.8152e-01, 2.5108e+00],  
 [2.5493e+00, 5.5938e-04, 2.1916e-01],  
 [2.6837e+00, 1.1592e-03, 2.4763e-01],  
 [4.7345e+00, 1.8611e-04, 4.5578e-01],  
 [1.8968e+00, 1.7606e-04, 1.1039e-01],

[2.0955e+02, 5.6035e+00, 4.7365e+00],  
 [1.0495e+02, 1.5652e+00, 3.6338e+00],  
 [4.1061e+01, 9.0748e-02, 1.1724e+00],  
 [2.0208e+01, 5.0117e-02, 6.8564e-01],  
 [1.6796e+00, 6.8864e-04, 1.1010e-01],  
 [1.3685e-01, 7.3024e-06, 1.4794e-02],  
 [1.2632e+01, 2.4056e-02, 6.7414e-01],  
 [2.6164e+00, 4.1087e-04, 2.0025e-01],  
 [5.5833e+01, 5.4642e-01, 2.0238e+00],  
 [8.8870e+00, 4.6225e-03, 5.5935e-01],  
 [1.1872e+01, 1.0681e-02, 4.2474e-01],  
 [1.6266e-02, 5.0513e-08, 2.4021e-03],  
 [1.9470e+00, 1.7691e-03, 1.5691e-01],  
 [3.8014e+01, 3.3257e-01, 1.3073e+00],  
 [4.4440e+00, 3.5170e-03, 3.5360e-01],  
 [1.1381e-01, 3.0144e-06, 1.5262e-02],  
 [9.3908e-01, 3.2867e-04, 7.1002e-02],  
 [1.0631e+00, 4.4408e-04, 1.0439e-01],  
 [4.5368e+00, 2.3163e-03, 3.9501e-01],  
 [8.8088e+01, 4.2473e-01, 3.0448e+00],  
 [3.7189e-02, 1.7074e-06, 5.1990e-03],  
 [6.8163e-02, 2.2662e-07, 9.4796e-03],  
 [1.0438e+01, 2.2072e-02, 6.2878e-01],  
 [2.1563e+01, 1.0030e-01, 9.7301e-01],  
 [2.3987e+01, 7.0068e-02, 1.0995e+00],  
 [2.4720e+01, 1.5262e-01, 8.2535e-01],  
 [9.6512e+00, 1.1555e-02, 8.9015e-01],  
 [5.0452e+01, 2.9991e-01, 2.7568e+00],  
 [3.3430e+01, 3.2106e-01, 2.6159e+00],  
 [2.9089e+00, 5.1337e-04, 1.8562e-01],  
 [1.3557e+02, 1.7325e+00, 3.1024e+00],  
 [4.0839e-01, 4.2667e-05, 3.8360e-02],  
 [6.6094e-01, 1.2001e-05, 5.4886e-02],  
 [4.7346e+00, 1.0769e-02, 3.3344e-01],  
 [1.0593e+01, 1.7123e-02, 4.5975e-01],  
 [1.0667e-01, 1.9712e-06, 1.4500e-02],  
 [9.7623e+00, 3.4435e-02, 7.4250e-01],  
 [9.4599e-02, 1.0910e-06, 1.3455e-02],  
 [2.3721e-01, 1.6594e-05, 2.2613e-02],  
 [1.7942e+00, 2.6271e-04, 8.8544e-02],  
 [9.7859e-01, 2.8405e-04, 7.7442e-02],  
 [9.3793e-01, 9.7926e-05, 5.4180e-02],  
 [4.5669e+00, 3.8855e-03, 3.6354e-01],  
 [1.1291e+00, 4.9124e-04, 1.2059e-01],  
 [1.6479e+02, 3.2274e+00, 3.6844e+00],  
 [1.1652e+02, 2.2648e+00, 4.1363e+00],  
 [3.7984e+01, 1.1467e-01, 2.0066e+00],  
 [7.5061e+01, 2.9844e-01, 1.6389e+00],

[5.2429e-01, 1.6895e-06, 4.0728e-02],  
 [2.3942e+01, 1.5308e-01, 7.3895e-01],  
 [2.8819e+00, 6.1620e-03, 3.6239e-01],  
 [2.1757e+00, 1.6053e-04, 1.7440e-01],  
 [1.3779e+01, 1.2993e-02, 1.0035e+00],  
 [2.4538e+01, 1.4720e-01, 1.1490e+00],  
 [6.6994e+01, 6.8953e-01, 2.2269e+00],  
 [1.2656e+00, 2.1570e-04, 1.1242e-01],  
 [2.9665e-01, 1.8594e-05, 3.7302e-02],  
 [6.8878e+01, 1.7811e+00, 2.4941e+00],  
 [7.5165e+01, 2.2816e-01, 3.8129e+00],  
 [2.6787e+00, 1.5832e-04, 1.6233e-01],  
 [1.3390e+01, 2.5390e-02, 8.0109e-01],  
 [5.6674e+01, 2.9028e-01, 1.8872e+00],  
 [9.8950e+01, 1.6746e+00, 2.1706e+00],  
 [3.9597e-01, 2.6553e-05, 4.4159e-02],  
 [1.0792e+02, 1.9361e-01, 3.6424e+00],  
 [9.1969e+01, 1.0579e+00, 3.9375e+00],  
 [1.2745e+00, 1.3861e-04, 1.5769e-01],  
 [4.3631e+01, 3.2462e-01, 1.2942e+00],  
 [9.1980e+01, 1.8022e+00, 2.6810e+00],  
 [6.4066e+00, 2.3334e-02, 4.9597e-01],  
 [6.6223e+01, 7.4390e-01, 1.4895e+00],  
 [1.0016e+01, 2.1663e-02, 4.5211e-01],  
 [3.7712e+00, 4.7524e-03, 2.7095e-01],  
 [6.5350e+00, 1.4476e-03, 2.2780e-01],  
 [1.3477e+01, 5.4722e-02, 7.6130e-01],  
 [2.0786e+02, 2.4446e+00, 3.9831e+00],  
 [1.3607e+01, 1.8965e-02, 1.1095e+00],  
 [2.4072e+02, 8.8895e+00, 4.0592e+00],  
 [2.6045e-02, 1.6563e-07, 3.7929e-03],  
 [1.2341e+00, 4.5098e-04, 1.2539e-01],  
 [7.6918e+01, 1.5837e+00, 2.0063e+00],  
 [1.4755e+02, 8.2107e-01, 3.5917e+00],  
 [7.6230e+01, 8.1783e-01, 2.3711e+00],  
 [6.1535e+01, 2.2134e-01, 2.8900e+00],  
 [2.8147e+01, 3.6998e-02, 6.6326e-01],  
 [2.7006e+01, 1.2860e-02, 1.2680e+00],  
 [9.6857e+01, 7.0843e-01, 3.3778e+00],  
 [1.4778e+01, 2.7463e-02, 5.4247e-01],  
 [1.8924e+02, 3.5568e+00, 4.3861e+00],  
 [5.4417e+01, 1.9014e-01, 1.3826e+00],  
 [1.6139e+02, 1.0794e+00, 3.4931e+00],  
 [2.1834e+00, 1.9994e-03, 1.7634e-01],  
 [3.7927e-01, 3.9645e-05, 3.0167e-02],  
 [1.2710e+01, 2.2384e-02, 8.4339e-01],  
 [5.4574e-02, 9.8496e-07, 7.7736e-03],  
 [1.4304e+01, 1.3790e-02, 9.8146e-01],

```

[8.9422e+00, 6.0275e-03, 4.6596e-01],
[2.8962e-01, 1.2436e-05, 3.6397e-02],
[2.6787e+00, 3.6304e-04, 2.6576e-01],
[7.2383e+01, 7.1262e-01, 1.6302e+00],
[1.3317e+01, 8.4167e-03, 4.5090e-01],
[2.3805e+01, 1.0606e-01, 7.4901e-01],
[9.7295e+00, 2.8641e-02, 5.2412e-01],
[1.4050e+00, 5.0141e-04, 1.4531e-01],
[5.3467e+00, 1.2580e-03, 6.5548e-01],
[2.8231e+01, 2.1443e-01, 1.5415e+00],
[2.1819e+01, 1.4405e-01, 8.5504e-01],
[6.8982e+00, 1.5425e-03, 4.5243e-01]], dtype=torch.float64)
Iteration: 158
Inputs: tensor([[4.3287e+20, 2.3199e+02, 9.2075e+00, 1.2403e+00],
[7.0112e+18, 3.6132e+02, 9.7947e+00, 6.8696e+00],
[3.0878e+18, 1.3186e+02, 1.8532e+01, 3.5020e+00],
...,
[2.4087e+19, 3.4703e+02, 1.6984e+01, 9.1009e+00],
[2.9101e+20, 3.4473e+02, 1.1895e+01, 9.8180e+00],
[3.0994e+20, 2.7415e+02, 1.9982e+01, 5.0363e+00]], dtype=torch.float64)
Target: tensor([[3.0070e+01, 2.7654e-02, 2.0418e+00],
[2.6934e+00, 1.3671e-03, 1.7332e-01],
[2.8028e-02, 3.8426e-07, 4.1650e-03],
[2.5511e+00, 1.2325e-03, 2.9062e-01],
[5.4535e+01, 1.5779e+00, 2.9091e+00],
[1.2126e+02, 6.5820e-01, 2.6184e+00],
[4.5370e+01, 1.5405e-01, 1.2502e+00],
[2.3065e-01, 7.6160e-06, 2.5426e-02],
[2.1999e+01, 1.2233e-01, 1.0203e+00],
[2.4781e+00, 1.6685e-04, 2.3717e-01],
[3.9359e+01, 2.7873e-01, 1.3179e+00],
[1.3817e+02, 1.4364e+00, 4.3148e+00],
[8.3553e-01, 2.1367e-04, 8.6583e-02],
[1.0465e-01, 4.4426e-06, 1.2064e-02],
[2.7845e+00, 3.5573e-03, 1.9177e-01],
[1.4082e+02, 8.2573e-01, 2.5391e+00],
[1.3148e+02, 2.9038e+00, 2.9989e+00],
[3.6481e+01, 1.5975e-01, 1.0353e+00],
[1.5231e+00, 9.5509e-04, 1.1717e-01],
[2.3975e+02, 7.4500e+00, 4.4229e+00],
[6.0731e+00, 1.0875e-02, 3.9603e-01],
[1.6209e+00, 1.3995e-03, 1.3793e-01],
[3.9631e-01, 2.1942e-04, 5.2477e-02],
[4.8766e-03, 5.7858e-09, 7.6820e-04],
[2.3519e+01, 1.1619e-01, 1.2765e+00],
[1.5472e+00, 7.1085e-04, 1.2368e-01],
[1.5232e+02, 7.3827e-01, 4.6644e+00],
[4.5544e+00, 4.5073e-03, 4.7763e-01],

```



[1.6573e-01, 4.0780e-06, 1.7127e-02],  
 [1.2355e+02, 1.1769e+00, 3.6517e+00],  
 [2.9484e+01, 4.3666e-02, 1.4188e+00],  
 [1.9606e-01, 1.5510e-05, 1.9705e-02],  
 [1.8895e+01, 4.8212e-02, 7.3659e-01],  
 [6.6976e-01, 7.5795e-05, 8.8650e-02],  
 [1.0903e+01, 2.1176e-03, 7.1209e-01],  
 [8.3396e+00, 1.8216e-02, 8.2581e-01],  
 [5.4802e+01, 1.5744e-01, 1.1728e+00],  
 [3.8914e+01, 2.5751e-01, 2.7566e+00],  
 [5.7831e-01, 7.3673e-05, 6.9179e-02],  
 [7.6860e+00, 2.0541e-02, 4.0745e-01],  
 [2.5291e+02, 4.5758e+00, 4.9705e+00],  
 [7.9746e-01, 2.6098e-04, 6.8561e-02],  
 [7.7006e-01, 1.1609e-05, 5.6909e-02],  
 [1.6722e+01, 1.6181e-02, 9.6916e-01],  
 [1.7426e+02, 1.9679e+00, 4.5361e+00],  
 [5.8090e+01, 7.3831e-01, 1.6488e+00],  
 [1.6007e+00, 1.1983e-04, 1.4069e-01],  
 [3.3358e+01, 7.5587e-02, 8.5482e-01],  
 [6.2023e+01, 5.7897e-01, 1.4551e+00],  
 [1.3717e-01, 2.1674e-05, 2.0621e-02],  
 [1.8427e+02, 8.4241e-01, 3.7339e+00],  
 [2.1672e-01, 1.6820e-05, 2.1974e-02],  
 [1.5613e+02, 3.4210e+00, 3.5763e+00],  
 [8.0285e-02, 3.1349e-06, 1.0468e-02],  
 [1.2047e+02, 1.1531e+00, 4.5416e+00],  
 [2.0176e+01, 4.4377e-02, 8.4630e-01],  
 [9.6655e-02, 1.1361e-06, 1.2261e-02],  
 [4.6654e+00, 8.5647e-03, 3.6051e-01],  
 [5.9637e+01, 3.4086e-01, 2.4577e+00],  
 [1.7098e+01, 1.2879e-02, 6.9470e-01],  
 [1.9931e+01, 5.7430e-02, 1.1143e+00],  
 [3.9905e-01, 5.9116e-05, 4.8802e-02],  
 [2.9180e+01, 7.5511e-02, 7.2842e-01],  
 [3.6786e+01, 1.4287e-01, 1.4909e+00],  
 [7.2824e-01, 5.1183e-05, 6.7480e-02],  
 [1.4923e-01, 4.6213e-06, 1.7533e-02],  
 [1.0860e+02, 1.6926e+00, 4.2204e+00],  
 [2.0773e+00, 2.3216e-03, 2.0506e-01],  
 [4.9933e+01, 4.2129e-01, 1.2246e+00],  
 [7.6825e-01, 1.1289e-04, 6.3605e-02],  
 [4.2389e+01, 5.1362e-01, 2.9601e+00],  
 [6.5956e+00, 4.6556e-03, 2.3544e-01],  
 [1.0826e+01, 2.0648e-02, 5.5176e-01],  
 [2.0759e+01, 1.4021e-01, 8.9710e-01],  
 [2.4618e+01, 2.0120e-01, 9.9738e-01],  
 [6.4385e-01, 1.8050e-04, 7.1100e-02],

[1.2009e+00, 1.4046e-04, 1.3770e-01],  
 [1.9886e-02, 7.3162e-08, 2.9278e-03],  
 [8.6983e+01, 1.5295e+00, 2.4655e+00],  
 [6.3133e+01, 5.8924e-01, 3.6077e+00],  
 [1.4024e-01, 4.4437e-06, 1.5776e-02],  
 [9.6889e+01, 2.4964e-01, 3.6809e+00],  
 [1.1515e+00, 3.7473e-04, 1.0863e-01],  
 [3.4263e-01, 1.3957e-05, 3.3985e-02],  
 [7.3597e+00, 7.0990e-03, 4.4748e-01],  
 [6.1910e-03, 1.5559e-08, 9.7688e-04],  
 [9.9312e+00, 1.0149e-02, 7.0746e-01],  
 [2.8173e+00, 3.1800e-03, 1.7332e-01],  
 [4.8695e+01, 6.7898e-02, 1.6620e+00],  
 [1.3117e+01, 3.2285e-02, 1.0581e+00],  
 [1.9934e+01, 2.0340e-02, 9.3824e-01],  
 [2.7822e+01, 1.7022e-01, 1.1566e+00],  
 [4.7760e+00, 7.3849e-03, 2.8144e-01],  
 [2.0533e+02, 6.6682e-01, 4.5521e+00],  
 [4.5903e+01, 3.8413e-01, 1.9301e+00],  
 [6.3532e+01, 3.7744e-01, 2.5876e+00],  
 [4.6086e+01, 8.9354e-01, 2.9643e+00],  
 [3.7730e+00, 1.6985e-03, 3.5988e-01],  
 [4.4728e+00, 1.1430e-02, 3.9759e-01],  
 [6.1302e-01, 1.3979e-04, 6.7918e-02],  
 [4.4571e-02, 2.7123e-07, 6.1794e-03],  
 [2.8588e-01, 3.4326e-05, 2.6106e-02],  
 [3.4316e+01, 3.9889e-01, 1.7330e+00],  
 [1.0837e+02, 1.9030e+00, 2.9874e+00],  
 [1.7451e+02, 5.0380e+00, 3.6429e+00],  
 [6.3364e+00, 1.6078e-03, 4.9076e-01],  
 [7.2374e+01, 5.2919e-01, 2.5723e+00],  
 [7.0739e-01, 4.9067e-05, 4.8324e-02],  
 [1.7931e-01, 2.9304e-06, 2.1892e-02],  
 [1.7994e-03, 1.6402e-09, 2.8791e-04],  
 [6.0262e+01, 1.8868e-01, 1.8340e+00],  
 [1.4442e+01, 4.9454e-02, 8.0496e-01],  
 [2.7385e+01, 9.1943e-02, 7.8001e-01],  
 [6.5670e-01, 5.8875e-05, 4.4008e-02],  
 [1.3983e-01, 3.1760e-06, 1.8832e-02],  
 [3.9611e-01, 2.2619e-05, 5.5277e-02],  
 [6.4620e-02, 2.7953e-06, 9.1536e-03],  
 [1.0979e+00, 3.6404e-04, 1.1795e-01],  
 [3.3360e+01, 1.3580e-01, 7.9763e-01],  
 [1.7788e+00, 2.2468e-04, 1.2882e-01],  
 [8.7278e+01, 8.3925e-01, 2.3287e+00],  
 [3.6672e-02, 1.4694e-07, 5.4423e-03],  
 [1.8082e+02, 3.6128e+00, 3.4363e+00],  
 [9.1714e+00, 9.8658e-04, 5.9832e-01],

[1.5710e+02, 6.7757e+00, 4.6837e+00],  
[1.8498e-01, 2.0858e-06, 2.2745e-02],  
[4.2010e+01, 1.4614e-01, 2.2319e+00],  
[5.7678e+00, 8.0836e-04, 3.4971e-01],  
[7.3968e-01, 6.8489e-05, 8.9882e-02],  
[3.9595e+00, 3.5350e-03, 3.4332e-01],  
[8.5086e-01, 1.5092e-04, 5.7026e-02],  
[2.4005e+01, 1.6934e-02, 1.9817e+00],  
[2.0576e-02, 9.3334e-08, 2.9459e-03],  
[8.4647e+01, 4.9519e-01, 3.4485e+00],  
[5.6834e+00, 1.0767e-02, 3.5319e-01],  
[1.0742e+00, 1.8177e-04, 1.1275e-01],  
[2.5202e+00, 4.5879e-04, 2.0720e-01],  
[8.8671e+01, 8.3673e-01, 2.5087e+00],  
[1.1872e+02, 3.0003e+00, 3.9444e+00],  
[3.1837e+00, 8.3705e-03, 3.4267e-01],  
[3.9593e-02, 2.3362e-07, 6.0830e-03],  
[4.7302e+00, 3.3762e-03, 3.4156e-01],  
[1.9549e+01, 4.3471e-02, 7.5076e-01],  
[2.5764e+01, 4.8548e-02, 1.6117e+00],  
[8.8037e+00, 1.9631e-02, 5.1849e-01],  
[8.6309e+00, 2.7083e-02, 8.7741e-01],  
[7.7096e+01, 1.0535e-01, 3.1624e+00],  
[1.8437e+00, 1.2799e-04, 1.5507e-01],  
[6.2671e-03, 1.4700e-08, 9.8478e-04],  
[1.8309e+01, 1.1454e-02, 6.5495e-01],  
[2.4633e-01, 2.3074e-05, 3.3158e-02],  
[1.0112e+00, 9.0314e-05, 1.0320e-01],  
[4.5964e-02, 9.2877e-07, 6.3138e-03],  
[2.8987e+01, 1.3259e-01, 1.2644e+00],  
[1.2124e+01, 2.1331e-02, 4.8386e-01],  
[1.0779e-01, 2.3469e-06, 1.3079e-02],  
[2.4137e+01, 4.6336e-02, 1.5085e+00],  
[3.9526e+01, 9.6020e-02, 2.8619e+00],  
[8.7000e-02, 2.6137e-06, 1.1780e-02],  
[1.4335e-01, 1.0806e-05, 1.5864e-02],  
[7.5151e+00, 7.3441e-03, 3.0499e-01],  
[3.5728e+00, 6.3576e-03, 3.2511e-01],  
[2.2257e+00, 5.9939e-04, 1.1410e-01],  
[7.3321e+01, 5.5718e-01, 3.4914e+00],  
[2.5077e+01, 2.1273e-01, 1.0358e+00],  
[7.2232e-01, 1.0634e-04, 5.0334e-02],  
[4.4517e+01, 5.3644e-01, 2.6252e+00],  
[2.7713e+00, 5.0948e-03, 3.1850e-01],  
[6.5395e+01, 4.2646e-01, 1.6777e+00],  
[1.6260e+01, 1.1995e-02, 8.9775e-01],  
[7.6509e-01, 3.1151e-04, 7.3014e-02],  
[9.6778e+01, 7.3563e-01, 2.3123e+00],

[2.4781e+00, 7.9837e-04, 1.6782e-01],  
 [1.1950e+01, 3.3659e-02, 1.0983e+00],  
 [2.2710e+01, 2.2964e-02, 1.9823e+00],  
 [7.2477e+01, 1.2752e+00, 1.8316e+00],  
 [4.6958e+01, 1.6490e-01, 2.5109e+00],  
 [1.1946e-01, 4.0778e-06, 1.5534e-02],  
 [2.5967e+01, 1.5288e-01, 1.0287e+00],  
 [2.3345e+01, 1.0376e-01, 8.9177e-01],  
 [2.6171e+01, 1.2549e-02, 9.1717e-01],  
 [1.0119e+02, 2.7952e-01, 2.0069e+00],  
 [4.9678e+01, 3.3611e-01, 1.7455e+00],  
 [2.4662e-01, 6.1422e-06, 3.2458e-02],  
 [5.0115e+00, 1.6787e-03, 2.4508e-01],  
 [7.9024e-02, 8.7935e-07, 1.0359e-02],  
 [1.9017e+01, 1.6149e-02, 1.5414e+00],  
 [5.1651e-02, 7.5085e-07, 7.3477e-03],  
 [1.3480e-01, 7.8653e-06, 1.5241e-02],  
 [5.8438e-01, 3.8909e-05, 4.8385e-02],  
 [3.2704e+01, 7.3478e-02, 9.3601e-01],  
 [6.9759e-01, 8.9712e-05, 7.2755e-02],  
 [8.7504e-01, 2.3130e-04, 8.1392e-02],  
 [9.8697e-01, 8.6812e-05, 7.1230e-02],  
 [2.7840e+02, 1.1676e+01, 4.8534e+00],  
 [5.3419e+00, 2.9127e-03, 3.5889e-01],  
 [6.3233e+00, 1.6890e-03, 3.5651e-01],  
 [6.8886e+00, 3.5764e-02, 5.3948e-01],  
 [8.4331e+00, 1.9348e-03, 2.7560e-01],  
 [4.8633e+00, 1.4948e-02, 5.9400e-01],  
 [3.2438e-02, 8.2291e-08, 4.4515e-03],  
 [7.9468e-01, 4.8787e-04, 9.1392e-02],  
 [2.3501e+01, 4.4977e-01, 1.8209e+00],  
 [4.5651e-02, 1.7408e-06, 5.9633e-03],  
 [3.0359e+00, 8.2074e-04, 1.3937e-01],  
 [9.9767e+01, 1.1504e+00, 2.4490e+00],  
 [1.3801e-01, 2.8716e-06, 1.7963e-02],  
 [1.6342e+01, 4.7278e-02, 6.3150e-01],  
 [7.1734e-01, 2.3108e-04, 5.5799e-02],  
 [4.3550e+00, 1.3300e-03, 3.7737e-01],  
 [2.4586e+01, 8.9401e-02, 1.2052e+00],  
 [9.7474e+01, 1.1495e+00, 2.5289e+00],  
 [6.3214e-02, 1.3547e-06, 9.5382e-03],  
 [6.3557e+01, 3.4705e-01, 1.9937e+00],  
 [6.6791e-01, 2.0888e-04, 8.9039e-02],  
 [2.5683e-01, 1.0603e-05, 3.4425e-02],  
 [2.9360e+01, 5.4908e-02, 7.9207e-01],  
 [4.1822e+00, 2.1785e-03, 2.3569e-01],  
 [2.2167e-01, 1.0575e-05, 2.1435e-02],  
 [1.6256e+01, 5.3317e-02, 1.0646e+00],

[9.2162e+00, 8.6014e-03, 7.5503e-01],  
[3.9700e+01, 4.4703e-02, 2.0571e+00],  
[7.5628e+00, 3.9140e-03, 4.3936e-01],  
[5.3106e+01, 4.9444e-01, 2.4101e+00],  
[2.6397e+01, 6.9149e-02, 2.2328e+00],  
[6.5952e+00, 5.0939e-02, 6.8460e-01],  
[1.0183e+01, 1.1816e-02, 9.2539e-01],  
[5.7227e-02, 1.7732e-06, 7.5500e-03],  
[2.9931e+02, 7.6452e+00, 4.8418e+00],  
[3.9605e-01, 3.3370e-05, 4.7228e-02],  
[1.0950e+00, 1.4187e-04, 1.3008e-01],  
[5.0492e+01, 9.1996e-02, 2.4610e+00],  
[2.7431e-01, 1.4967e-05, 4.1014e-02],  
[1.1152e+02, 2.6074e-01, 4.3739e+00],  
[9.0029e-01, 2.4605e-04, 6.4845e-02],  
[5.8062e-01, 2.9710e-05, 6.5357e-02],  
[9.8523e-01, 1.3943e-04, 9.7941e-02],  
[5.7222e+00, 1.5381e-02, 4.0748e-01],  
[2.2528e-04, 5.9423e-12, 3.7053e-05],  
[9.1850e+01, 1.7386e-01, 4.0900e+00],  
[3.7178e+00, 1.7390e-03, 3.0403e-01],  
[6.6384e-03, 2.2704e-08, 1.0518e-03],  
[3.8806e+01, 1.4384e-01, 2.2322e+00],  
[4.8924e-02, 5.2330e-07, 6.6781e-03],  
[2.0077e+01, 1.4281e-02, 1.7543e+00],  
[5.1065e-03, 7.1023e-09, 8.1440e-04],  
[2.7062e-01, 5.1971e-05, 3.2751e-02],  
[1.6813e+00, 7.1798e-05, 8.8613e-02],  
[3.2150e+00, 5.1215e-03, 2.5703e-01],  
[8.1780e+01, 6.1771e-01, 2.0849e+00],  
[3.2657e+01, 2.6374e-01, 1.1074e+00],  
[2.4444e+01, 1.7132e-01, 1.0695e+00],  
[5.0249e+01, 9.4689e-02, 2.1987e+00],  
[1.0674e+02, 1.9900e+00, 3.3457e+00],  
[4.9418e-01, 9.1832e-05, 4.5750e-02],  
[2.0927e+00, 2.3740e-04, 1.6194e-01],  
[2.8195e+01, 2.7850e-02, 8.0617e-01],  
[4.7489e+01, 3.9606e-02, 3.1579e+00],  
[1.5216e-01, 1.1310e-05, 1.7692e-02],  
[1.3721e-02, 8.5455e-08, 2.0612e-03],  
[1.3024e+02, 2.6085e+00, 3.4944e+00],  
[1.4750e+02, 3.3330e+00, 3.5663e+00],  
[6.3258e+00, 7.6739e-03, 5.1832e-01],  
[4.2896e+01, 1.7471e-01, 1.1011e+00],  
[3.2860e+00, 1.0870e-03, 2.3967e-01],  
[1.5005e+02, 4.9691e+00, 4.3545e+00],  
[4.0960e+01, 1.6400e-01, 1.1710e+00],  
[1.5168e+00, 9.7347e-04, 1.7046e-01],

[3.6163e+00, 3.6265e-03, 2.3307e-01],  
[5.9636e+00, 1.1021e-02, 4.0946e-01],  
[1.3063e+02, 8.1112e-01, 3.3760e+00],  
[1.1685e+01, 1.5619e-02, 9.0211e-01],  
[1.3033e+02, 4.9107e+00, 3.7163e+00],  
[2.1844e+01, 1.3700e-01, 9.9489e-01],  
[6.8170e-02, 2.3011e-06, 9.7053e-03],  
[3.2939e+00, 1.1562e-03, 2.5019e-01],  
[5.2876e+01, 7.4870e-01, 1.6076e+00],  
[1.2308e+01, 6.7436e-02, 5.9385e-01],  
[2.8721e-01, 3.1393e-05, 2.4375e-02],  
[1.2930e-01, 1.0660e-05, 1.6855e-02],  
[5.1524e+01, 3.8961e-01, 1.9561e+00],  
[1.2147e+00, 2.7571e-05, 9.0912e-02],  
[6.1279e+01, 4.0650e-01, 2.1200e+00],  
[9.1059e+01, 4.2583e-01, 2.7526e+00],  
[1.9244e-01, 1.0364e-05, 2.3122e-02],  
[4.7133e+00, 2.3696e-03, 2.4202e-01],  
[7.9827e+01, 1.3100e+00, 2.2952e+00],  
[7.4849e+01, 4.5468e-01, 2.2242e+00],  
[4.3160e+00, 1.5316e-02, 4.1484e-01],  
[6.9481e+01, 1.0948e+00, 1.9647e+00],  
[1.4656e+00, 4.3504e-04, 1.5745e-01],  
[3.1807e+01, 1.9416e-01, 9.3651e-01],  
[1.1492e+00, 9.1245e-04, 1.0502e-01],  
[2.7009e+01, 8.4100e-02, 6.3921e-01],  
[5.2171e-01, 1.4111e-05, 6.0385e-02],  
[3.1719e-01, 1.7621e-05, 3.4430e-02],  
[1.4949e+02, 3.2958e-01, 2.6038e+00],  
[5.1959e+00, 1.3901e-02, 5.3437e-01],  
[1.6941e+01, 4.6686e-02, 8.0522e-01],  
[3.6561e-01, 7.4395e-05, 3.9736e-02],  
[1.2432e+00, 1.8330e-04, 7.5950e-02],  
[6.3426e-01, 2.0362e-04, 6.1114e-02],  
[1.4346e+00, 5.5085e-04, 1.0078e-01],  
[1.8971e+02, 4.7828e+00, 4.3839e+00],  
[3.5055e+01, 1.4636e-01, 9.9701e-01],  
[8.1197e+00, 5.7033e-03, 3.9082e-01],  
[3.0565e-01, 9.6514e-06, 4.1438e-02],  
[9.4408e-01, 1.1075e-04, 8.8903e-02],  
[8.8808e-01, 7.2055e-04, 1.0319e-01],  
[4.8152e-01, 9.3781e-05, 5.0225e-02],  
[6.4205e-01, 4.0213e-05, 5.3911e-02],  
[1.1024e-02, 1.7477e-08, 1.6616e-03],  
[5.9965e+01, 1.5468e+00, 2.6407e+00],  
[2.1575e+02, 4.5052e+00, 3.8390e+00],  
[2.1974e-01, 1.5742e-05, 2.0620e-02],  
[1.1783e+02, 4.8340e+00, 4.3214e+00],

```

[9.0391e-02, 3.2946e-06, 1.0613e-02],
[1.0133e+01, 3.7721e-02, 4.9431e-01],
[1.0229e+02, 2.5632e+00, 2.5844e+00],
[4.8306e+01, 4.8103e-01, 2.2447e+00]], dtype=torch.float64)
Iteration: 159
Inputs: tensor([[3.9605e+18, 4.4214e+02, 1.8621e+01, 6.3816e+00],
[3.3604e+18, 3.2639e+02, 6.2216e-01, 1.1810e+00],
[4.9165e+20, 1.6536e+02, 4.7181e+00, 1.2446e+00],
...,
[1.5650e+19, 2.1647e+02, 9.8882e+00, 1.0474e+00],
[1.7730e+19, 2.1677e+02, 1.1896e+01, 3.6809e+00],
[2.8004e+18, 4.3628e+02, 3.0297e+00, 1.0997e+00]], dtype=torch.float64)
Target: tensor([[8.5183e-01, 2.6646e-04, 7.4653e-02],
[1.5040e+00, 7.5812e-06, 9.7357e-02],
[4.2862e+01, 2.7209e-02, 2.5005e+00],
[1.7760e+02, 1.0555e+00, 4.4253e+00],
[1.1294e+00, 6.3167e-04, 1.1764e-01],
[5.3909e+00, 1.3430e-03, 2.8011e-01],
[3.2339e+00, 4.1963e-03, 2.0513e-01],
[2.8049e+00, 4.9701e-03, 3.1650e-01],
[2.7468e-01, 5.7888e-05, 3.6682e-02],
[1.6354e+01, 5.0383e-02, 1.1990e+00],
[1.6581e-01, 1.2288e-05, 2.1882e-02],
[6.3831e+01, 1.4130e+00, 3.1847e+00],
[7.5169e-01, 2.7298e-04, 5.9716e-02],
[5.6850e-03, 5.3200e-09, 8.8177e-04],
[3.9892e+00, 1.1471e-02, 4.6024e-01],
[1.6055e-02, 1.3515e-08, 2.4691e-03],
[4.0992e+00, 5.6325e-03, 2.2784e-01],
[5.2279e+01, 4.4462e-01, 1.1941e+00],
[1.7049e+02, 8.4268e-01, 3.3809e+00],
[5.4214e-02, 2.1816e-06, 6.9956e-03],
[8.6405e-01, 1.7252e-04, 6.5301e-02],
[8.3810e+01, 9.4290e-01, 1.7544e+00],
[9.1885e+01, 2.6954e+00, 3.2323e+00],
[1.4812e+02, 3.8486e+00, 3.3093e+00],
[2.3042e+01, 8.4736e-02, 1.2422e+00],
[3.8923e+01, 9.0588e-02, 1.2023e+00],
[2.4893e+00, 5.2779e-04, 2.4152e-01],
[4.7161e+01, 4.0411e-01, 2.1950e+00],
[8.5547e-01, 5.0781e-05, 1.0101e-01],
[3.6327e-01, 8.0385e-05, 3.5608e-02],
[4.3335e+01, 2.3700e-01, 1.3659e+00],
[5.5335e-01, 8.6344e-05, 4.4308e-02],
[6.5768e+00, 1.3539e-02, 4.6869e-01],
[2.7280e-01, 5.4648e-05, 3.7496e-02],
[8.1627e+01, 9.2095e-01, 4.0336e+00],
[4.1858e-01, 3.0954e-05, 4.3797e-02],

```

[8.7337e-01, 2.0527e-04, 1.0835e-01],  
[1.0552e+02, 6.5742e-02, 3.0656e+00],  
[3.7565e+00, 6.0378e-03, 2.8543e-01],  
[5.4827e-01, 1.0100e-04, 5.6521e-02],  
[6.3320e+01, 1.7896e-01, 2.7025e+00],  
[3.9414e-02, 2.6218e-07, 5.2732e-03],  
[7.1096e+00, 1.2283e-02, 3.9850e-01],  
[6.8353e-01, 7.8042e-04, 9.3416e-02],  
[1.3176e+02, 1.7188e+00, 4.5514e+00],  
[7.7647e-01, 5.1759e-04, 8.2363e-02],  
[2.1384e-01, 2.4889e-05, 2.6009e-02],  
[2.2738e+00, 2.0668e-04, 1.5978e-01],  
[3.4916e+01, 3.5330e-01, 2.2123e+00],  
[1.5749e+02, 6.3046e-01, 3.2942e+00],  
[4.3670e+01, 1.1719e-01, 2.4513e+00],  
[1.2163e+02, 2.1435e+00, 2.5503e+00],  
[8.9832e+01, 1.1887e+00, 3.3864e+00],  
[5.4894e+00, 4.4176e-03, 2.8572e-01],  
[7.0499e+00, 7.8363e-03, 3.3039e-01],  
[4.9726e+00, 9.0737e-04, 5.8295e-01],  
[4.1880e+00, 5.0337e-04, 2.4598e-01],  
[9.6860e+00, 4.1458e-03, 5.9868e-01],  
[1.1036e+01, 1.4362e-02, 6.2290e-01],  
[2.5688e+01, 2.3969e-01, 1.2201e+00],  
[3.4817e+00, 2.1287e-03, 2.1452e-01],  
[3.3875e+01, 2.0895e-01, 1.0790e+00],  
[1.7699e+02, 9.5730e-02, 3.7345e+00],  
[1.2709e-01, 3.8141e-06, 1.7982e-02],  
[2.7038e+00, 2.6827e-04, 1.4229e-01],  
[1.3522e-03, 1.2218e-09, 2.1746e-04],  
[1.0124e+00, 8.1079e-05, 6.5922e-02],  
[9.8036e+00, 4.3072e-04, 4.1600e-01],  
[1.0448e+01, 6.9194e-02, 8.8695e-01],  
[1.6680e+01, 7.4788e-02, 6.1742e-01],  
[2.1695e-02, 3.4293e-07, 3.1209e-03],  
[3.7829e+00, 7.0523e-03, 2.4678e-01],  
[8.5559e+00, 2.1558e-02, 4.2404e-01],  
[1.1324e+01, 1.1248e-02, 4.0020e-01],  
[3.0654e+01, 6.6685e-02, 8.9412e-01],  
[4.6313e+00, 2.9315e-03, 3.9873e-01],  
[1.5601e+00, 1.8337e-04, 1.5172e-01],  
[1.6385e+01, 1.9378e-02, 7.9084e-01],  
[1.1127e+01, 2.5014e-02, 6.1561e-01],  
[1.0559e+02, 7.7507e-02, 3.7850e+00],  
[1.5442e+01, 7.3381e-02, 7.3302e-01],  
[3.9842e+00, 6.5249e-04, 3.6772e-01],  
[4.8442e+01, 9.9598e-02, 1.7544e+00],  
[6.0084e-02, 2.0033e-06, 7.9920e-03],



[7.8351e+01, 1.0278e+00, 2.2600e+00],  
[5.5842e+01, 1.0559e-01, 1.7621e+00],  
[1.9419e+00, 6.4544e-04, 2.3210e-01],  
[1.5985e+00, 5.1426e-04, 1.2343e-01],  
[3.3521e+00, 5.6235e-04, 2.7862e-01],  
[1.3133e+01, 1.4452e-02, 7.9306e-01],  
[7.1784e-02, 1.5234e-06, 1.0743e-02],  
[8.5541e-01, 1.1780e-05, 1.0594e-01],  
[1.5210e+02, 2.7153e+00, 3.8534e+00],  
[1.4793e-02, 1.2010e-07, 2.2470e-03],  
[2.5486e-03, 5.2499e-09, 4.0277e-04],  
[4.5532e+01, 3.0822e-01, 1.5818e+00],  
[2.0038e+01, 8.3731e-02, 7.7679e-01],  
[1.3251e+02, 3.6468e+00, 3.8003e+00],  
[4.2461e+01, 3.2465e-01, 1.7019e+00],  
[7.8273e+01, 2.0672e+00, 3.2854e+00],  
[4.4877e-01, 1.2579e-05, 4.0744e-02],  
[1.0647e+01, 4.8874e-02, 5.5068e-01],  
[4.8143e+01, 4.7903e-01, 1.2050e+00],  
[3.0944e-01, 2.6480e-05, 3.2098e-02],  
[5.4132e+00, 2.4184e-03, 3.4803e-01],  
[7.4763e+00, 2.9848e-03, 7.8370e-01],  
[9.2701e+01, 1.0478e-01, 3.3617e+00],  
[2.0088e+01, 2.9464e-01, 1.6390e+00],  
[5.9782e-02, 7.1902e-07, 7.9662e-03],  
[3.7990e+01, 5.5563e-01, 1.9669e+00],  
[1.9436e+01, 5.4105e-02, 1.0620e+00],  
[2.9911e+00, 2.9983e-03, 1.9783e-01],  
[3.6402e+00, 1.4073e-04, 1.6426e-01],  
[2.1332e+00, 6.7774e-04, 2.4647e-01],  
[2.6508e+00, 1.4942e-03, 1.8909e-01],  
[1.3752e+01, 1.5281e-02, 1.3964e+00],  
[4.3332e-01, 8.0031e-06, 4.5950e-02],  
[6.2238e-04, 1.9013e-10, 1.0108e-04],  
[3.5325e+01, 2.1712e-01, 1.2027e+00],  
[7.0218e-03, 4.5183e-08, 1.0698e-03],  
[2.9831e+01, 1.3644e-01, 1.1495e+00],  
[1.6270e+01, 6.7403e-02, 5.8803e-01],  
[1.9092e+02, 3.6972e+00, 3.8290e+00],  
[1.8959e-01, 4.5147e-06, 2.4609e-02],  
[6.8067e-03, 2.3682e-08, 1.0745e-03],  
[2.9702e-01, 3.5387e-05, 3.4164e-02],  
[3.6822e+01, 1.1129e-01, 1.0856e+00],  
[8.0235e+00, 8.0816e-03, 3.5427e-01],  
[4.9917e+01, 3.7390e-01, 2.1292e+00],  
[1.3283e+02, 1.6929e+00, 3.1349e+00],  
[1.4532e-01, 8.0377e-07, 1.6588e-02],  
[1.2279e+01, 3.1392e-02, 6.8260e-01],

[9.2690e+01, 2.6972e+00, 2.7936e+00],  
[6.0059e+01, 7.6580e-02, 2.2995e+00],  
[3.3008e+01, 3.1344e-01, 1.1112e+00],  
[3.6948e+01, 1.1324e-01, 7.8538e-01],  
[1.1945e+00, 3.5843e-04, 8.0844e-02],  
[6.7389e-02, 4.1867e-07, 9.9351e-03],  
[4.1101e+01, 5.7296e-01, 2.0317e+00],  
[5.0833e+00, 1.6733e-02, 4.2302e-01],  
[4.0317e+01, 3.2325e-01, 1.5329e+00],  
[1.3866e-01, 9.4126e-06, 2.0003e-02],  
[2.9683e+00, 6.2343e-03, 3.8334e-01],  
[1.7509e-01, 9.3466e-06, 2.4152e-02],  
[7.6460e-02, 8.5476e-06, 1.0364e-02],  
[3.5061e+01, 4.6018e-02, 8.7831e-01],  
[5.6354e+01, 6.4876e-01, 1.7973e+00],  
[3.2384e-01, 2.0518e-05, 3.4939e-02],  
[3.5925e-02, 8.3221e-07, 5.3428e-03],  
[9.4980e+00, 1.6591e-02, 4.8003e-01],  
[6.0081e+00, 4.1149e-03, 3.6393e-01],  
[7.5773e-01, 1.1874e-04, 5.2150e-02],  
[1.1155e-01, 7.8147e-06, 1.2746e-02],  
[1.4886e+01, 7.0705e-03, 6.3300e-01],  
[3.5631e+01, 3.1275e-01, 1.7025e+00],  
[8.6628e+01, 1.2987e+00, 3.1621e+00],  
[3.5396e-03, 9.4751e-09, 5.5426e-04],  
[3.2557e+00, 8.2436e-04, 2.0960e-01],  
[1.2141e+02, 1.6468e+00, 4.2139e+00],  
[7.9082e-03, 3.3475e-08, 1.2031e-03],  
[7.5596e+01, 7.0306e-01, 1.9284e+00],  
[7.5504e-01, 1.2694e-04, 5.8880e-02],  
[6.6508e-01, 5.7543e-05, 6.5941e-02],  
[2.5672e-01, 9.1914e-06, 2.8281e-02],  
[5.8823e+00, 4.2396e-03, 2.3031e-01],  
[1.6524e+02, 6.6746e+00, 4.3515e+00],  
[9.9506e+00, 1.6120e-02, 4.9272e-01],  
[8.1196e+00, 1.3133e-02, 4.8158e-01],  
[3.4388e-01, 8.1182e-05, 3.3185e-02],  
[2.3706e+01, 1.8699e-01, 1.7854e+00],  
[2.0908e-01, 2.7674e-05, 2.5530e-02],  
[2.8247e+01, 3.9705e-01, 2.2563e+00],  
[5.1891e+01, 2.7611e-01, 2.0544e+00],  
[7.0046e-01, 2.4074e-04, 6.3574e-02],  
[6.0472e-01, 2.4727e-05, 4.5834e-02],  
[2.2876e+00, 1.2308e-03, 2.7194e-01],  
[2.1441e-01, 9.5289e-06, 2.6723e-02],  
[4.8546e-01, 1.3004e-04, 5.6361e-02],  
[1.4591e-01, 9.5456e-06, 2.0116e-02],  
[7.9193e+00, 7.7935e-03, 4.0843e-01],

[1.8755e+01, 6.2810e-02, 1.2775e+00],  
[8.5887e+01, 4.8590e-01, 1.6001e+00],  
[8.1507e+00, 1.2335e-02, 5.1444e-01],  
[5.0744e+01, 8.3608e-02, 2.0320e+00],  
[1.6736e+01, 5.2870e-02, 1.2506e+00],  
[8.0495e-01, 8.9473e-05, 6.2144e-02],  
[9.1814e+00, 1.4035e-02, 4.3232e-01],  
[1.8862e-01, 1.6295e-06, 2.4142e-02],  
[7.0007e+00, 8.4397e-03, 4.8215e-01],  
[2.3975e+01, 1.8495e-02, 1.4034e+00],  
[1.0875e-01, 2.9997e-06, 1.3864e-02],  
[1.3201e+02, 3.7518e+00, 2.8413e+00],  
[7.8841e-01, 3.4488e-05, 5.6316e-02],  
[7.0301e+01, 3.4760e-01, 1.3601e+00],  
[9.8307e+01, 1.4618e+00, 3.0556e+00],  
[6.3191e+00, 9.6031e-03, 2.9224e-01],  
[4.6132e+01, 2.1268e-01, 1.5887e+00],  
[8.4716e+00, 4.0909e-02, 6.1873e-01],  
[3.4788e+00, 2.9744e-04, 3.3276e-01],  
[1.0532e+02, 1.3356e+00, 2.0913e+00],  
[7.7584e-01, 2.2454e-04, 7.7246e-02],  
[1.7577e+01, 8.9068e-02, 6.7466e-01],  
[2.1153e+01, 4.6336e-02, 1.5324e+00],  
[2.3833e+02, 3.2803e+00, 4.8308e+00],  
[1.5390e+01, 5.8701e-02, 6.7587e-01],  
[1.5784e+02, 3.1261e-01, 3.1470e+00],  
[4.6445e-01, 3.3561e-06, 4.9141e-02],  
[2.7317e-01, 4.9343e-06, 3.4528e-02],  
[1.1445e+01, 9.7720e-03, 4.3595e-01],  
[7.0169e-01, 1.6105e-04, 8.1302e-02],  
[2.6184e+00, 8.3684e-04, 1.7756e-01],  
[9.4592e+00, 2.8503e-02, 6.9682e-01],  
[4.5567e+00, 4.8112e-03, 3.6234e-01],  
[4.7863e+01, 6.7727e-01, 1.7706e+00],  
[5.1125e+01, 7.1750e-01, 1.7439e+00],  
[8.5764e-01, 1.8566e-04, 6.7187e-02],  
[7.2774e-01, 7.9944e-05, 4.3104e-02],  
[1.9124e+02, 2.0712e+00, 3.2403e+00],  
[5.5737e-01, 1.6913e-04, 4.6554e-02],  
[1.8927e+00, 4.7426e-04, 1.3581e-01],  
[1.1115e+02, 9.5624e-01, 2.4761e+00],  
[1.5563e+02, 1.3775e+00, 3.4507e+00],  
[2.2468e+00, 2.2355e-03, 1.5744e-01],  
[2.1590e-03, 4.4626e-10, 3.4564e-04],  
[6.2801e+01, 1.1504e+00, 3.5014e+00],  
[1.1034e-01, 3.8023e-06, 1.5580e-02],  
[1.6745e+01, 1.7244e-01, 1.4113e+00],  
[3.4200e+00, 1.0374e-03, 2.5105e-01],

[1.4950e-03, 7.1115e-10, 2.4022e-04],  
 [1.4390e+00, 6.8903e-05, 1.1828e-01],  
 [4.5976e+00, 3.4151e-03, 2.4953e-01],  
 [3.2456e+01, 2.9905e-01, 1.5396e+00],  
 [3.1462e+00, 2.6001e-03, 2.6899e-01],  
 [7.6308e+01, 1.6918e+00, 2.2476e+00],  
 [7.9922e-02, 6.4802e-06, 1.1543e-02],  
 [3.1386e+01, 2.4204e-01, 1.3507e+00],  
 [4.9581e+00, 3.5949e-03, 2.8565e-01],  
 [7.6589e+00, 2.6188e-03, 4.7081e-01],  
 [5.1572e-01, 1.2209e-04, 4.9545e-02],  
 [2.4672e+01, 1.1866e-01, 1.9500e+00],  
 [6.3665e-01, 1.0738e-04, 5.8209e-02],  
 [5.3736e+01, 1.1867e-01, 1.4452e+00],  
 [4.4137e+01, 3.0306e-02, 1.6623e+00],  
 [3.3910e+01, 1.1199e-01, 1.6582e+00],  
 [6.6115e+01, 3.6119e-01, 1.9308e+00],  
 [9.0667e+01, 3.1839e-01, 3.1406e+00],  
 [2.9796e+00, 1.0457e-03, 2.7886e-01],  
 [2.7551e+00, 1.1672e-03, 1.9258e-01],  
 [3.9166e-02, 2.0349e-06, 5.3251e-03],  
 [1.5837e+02, 3.1180e+00, 4.4983e+00],  
 [8.5778e-01, 2.1503e-04, 9.8341e-02],  
 [2.3080e-03, 4.1085e-09, 3.6623e-04],  
 [5.8507e-01, 2.5347e-04, 6.6776e-02],  
 [2.0730e+01, 1.8057e-01, 7.9628e-01],  
 [5.2075e-01, 1.5140e-04, 6.6645e-02],  
 [1.0828e+02, 9.9794e-02, 3.5933e+00],  
 [3.2483e+01, 4.4001e-01, 1.2596e+00],  
 [9.4162e+01, 7.7772e-01, 2.0186e+00],  
 [4.6072e-01, 4.8203e-05, 5.7046e-02],  
 [4.2035e+01, 1.9401e-01, 1.1918e+00],  
 [2.5786e+00, 2.3119e-03, 1.8497e-01],  
 [4.5331e-02, 5.4935e-07, 6.5377e-03],  
 [5.0109e-01, 1.1245e-04, 6.2005e-02],  
 [1.2153e+01, 1.0731e-01, 1.0645e+00],  
 [3.9461e+01, 1.8991e-01, 9.8484e-01],  
 [1.7975e+01, 5.3597e-03, 6.5713e-01],  
 [3.5379e+01, 4.9172e-01, 1.9781e+00],  
 [2.0161e-03, 3.6769e-09, 3.2073e-04],  
 [1.5553e+01, 1.3172e-01, 1.3119e+00],  
 [2.3354e+02, 1.3428e+00, 4.2095e+00],  
 [9.8579e-02, 8.5666e-06, 1.1292e-02],  
 [5.3920e-02, 4.3380e-07, 8.2793e-03],  
 [1.5076e+02, 2.2754e+00, 4.5655e+00],  
 [5.6711e+00, 2.2430e-03, 5.3112e-01],  
 [4.5279e+01, 4.0058e-01, 1.2950e+00],  
 [5.2130e+00, 1.2481e-02, 5.1314e-01],

```

[5.9236e+00, 3.5657e-02, 6.7080e-01],
[2.4939e-02, 5.2485e-07, 3.5169e-03],
[2.8699e+01, 1.8865e-02, 2.1078e+00],
[4.2880e-01, 5.7019e-05, 4.8665e-02],
[1.1181e-01, 1.0341e-05, 1.3904e-02],
[2.9252e+01, 1.1074e-02, 1.1618e+00],
[2.7471e+01, 1.0881e-01, 1.0710e+00],
[3.6530e-01, 4.4588e-05, 4.4872e-02],
[1.9529e+02, 6.4518e+00, 3.9222e+00],
[1.7042e-01, 3.4086e-05, 2.4193e-02],
[3.7676e-01, 5.2528e-05, 3.7287e-02],
[1.6666e+00, 4.8936e-04, 1.1283e-01],
[4.3800e-01, 8.3958e-05, 4.7212e-02],
[8.2921e-02, 3.6761e-07, 1.0603e-02],
[8.6021e+01, 3.9420e-01, 1.9257e+00],
[2.1278e+02, 6.9110e+00, 4.5546e+00],
[4.9470e-02, 7.3168e-07, 7.0951e-03],
[1.9679e+00, 3.9613e-04, 1.8342e-01],
[1.8819e+01, 4.7394e-02, 1.1037e+00],
[8.7034e+01, 1.8114e-01, 2.5086e+00],
[2.4753e+01, 2.6915e-02, 1.5390e+00],
[1.1977e+00, 4.3942e-04, 9.1250e-02],
[4.7337e-01, 2.3402e-05, 4.4387e-02],
[5.0776e-01, 2.5993e-05, 4.2852e-02],
[8.4614e+01, 1.6946e+00, 2.6695e+00],
[2.6196e+01, 1.3317e-02, 1.4608e+00],
[1.1253e+02, 2.3151e+00, 2.5916e+00],
[1.5504e-01, 1.8090e-05, 2.1927e-02],
[2.4284e+00, 5.1966e-04, 2.0302e-01],
[9.5656e+01, 5.1038e-01, 2.0018e+00],
[7.9040e+01, 4.8952e-01, 3.8940e+00],
[2.3694e+00, 3.4231e-04, 1.5203e-01],
[1.3823e+00, 1.3841e-03, 1.2747e-01],
[2.0414e+02, 2.6458e+00, 4.9558e+00],
[1.8990e+01, 4.9543e-02, 6.1141e-01],
[7.3859e+01, 9.9797e-01, 2.8270e+00],
[7.4670e+01, 5.5230e-01, 3.1655e+00],
[7.0990e-02, 5.0952e-06, 9.3636e-03],
[7.7435e+01, 2.1155e+00, 3.2640e+00],
[1.1186e+00, 5.5808e-04, 1.2603e-01],
[8.7990e+00, 3.6728e-03, 2.9521e-01],
[4.3940e-01, 1.2166e-05, 5.6542e-02],
[2.4265e+00, 9.8339e-04, 2.1589e-01],
[5.2767e-01, 3.1627e-06, 4.9418e-02]], dtype=torch.float64)

```

Iteration: 160

```

Inputs: tensor([[1.6996e+19, 1.6343e+02, 5.3029e+00, 6.0647e+00],
               [3.6503e+18, 2.5337e+02, 4.1118e+00, 9.1689e+00],
               [1.8797e+18, 3.1574e+02, 1.4058e+01, 1.2051e+00],

```

```

...,
[2.6599e+18, 2.2573e+02, 1.1329e+01, 8.1686e+00],
[4.3796e+18, 3.9387e+02, 1.3896e+01, 2.0267e+00],
[2.2915e+19, 1.8789e+02, 9.9558e+00, 1.6884e+00]], dtype=torch.float64)
Target: tensor([[4.5380e+00, 2.9001e-03, 3.0734e-01],
[1.3170e+00, 3.7660e-04, 9.4038e-02],
[1.6936e-02, 3.3232e-08, 2.5292e-03],
[1.2344e-01, 8.6234e-06, 1.6001e-02],
[2.2850e+01, 7.7877e-02, 1.2098e+00],
[2.2185e+01, 6.6674e-02, 7.8364e-01],
[1.0895e+02, 7.1754e-01, 1.9161e+00],
[1.7777e+01, 8.8726e-03, 9.5586e-01],
[5.1936e-02, 7.8729e-07, 7.0685e-03],
[6.3327e-02, 1.9568e-06, 8.1224e-03],
[4.3036e+01, 2.5655e-01, 1.2574e+00],
[3.1722e+01, 5.3576e-01, 1.7363e+00],
[1.4364e+00, 6.9905e-05, 1.8769e-01],
[1.4683e+01, 3.9184e-02, 6.1659e-01],
[2.4198e+01, 1.9537e-02, 8.0362e-01],
[1.8972e+00, 6.8199e-04, 1.7247e-01],
[5.7182e-01, 3.5351e-05, 3.7910e-02],
[1.1670e+01, 3.3827e-02, 1.0759e+00],
[7.1994e-02, 1.5527e-06, 9.0247e-03],
[6.3541e+01, 5.7227e-01, 2.1087e+00],
[1.1552e+01, 4.3103e-02, 4.6649e-01],
[1.3999e+00, 1.8500e-04, 1.2178e-01],
[9.9423e+01, 5.1861e-01, 3.9457e+00],
[9.6338e+00, 1.0896e-02, 3.8456e-01],
[6.9253e+01, 1.0866e+00, 2.7813e+00],
[1.8224e+01, 3.4478e-02, 1.0359e+00],
[3.3358e+01, 9.8547e-02, 2.0433e+00],
[8.9472e+01, 1.3140e+00, 2.4191e+00],
[7.6954e-02, 1.2003e-06, 1.0294e-02],
[9.1248e+00, 8.6804e-03, 5.6518e-01],
[3.4502e-01, 1.6686e-04, 4.8656e-02],
[1.7458e+01, 6.6754e-02, 6.8330e-01],
[4.5582e+01, 4.1680e-01, 1.7486e+00],
[3.2340e+00, 3.3603e-03, 2.4842e-01],
[1.4120e+00, 7.7324e-04, 1.7408e-01],
[4.1048e+00, 7.1317e-04, 2.9561e-01],
[6.6812e+01, 4.7377e-01, 2.7067e+00],
[2.0654e-01, 1.1727e-05, 2.5057e-02],
[2.2707e+01, 4.1922e-02, 9.2859e-01],
[2.8348e+00, 1.7627e-03, 2.2741e-01],
[2.8181e-01, 6.3103e-06, 2.8528e-02],
[2.2272e+00, 2.5290e-03, 1.8793e-01],
[4.2204e+00, 3.1883e-03, 2.4151e-01],
[1.5312e+02, 3.3995e+00, 4.1740e+00],

```

[3.8809e+01, 2.1491e-01, 1.6257e+00],  
 [1.2036e+01, 8.8713e-03, 6.3846e-01],  
 [1.1629e+00, 1.0664e-04, 7.1536e-02],  
 [4.8427e+00, 2.2543e-04, 2.7065e-01],  
 [2.2358e+01, 1.4320e-01, 1.1091e+00],  
 [1.2254e-01, 2.9613e-06, 1.4508e-02],  
 [5.2661e+00, 7.8892e-03, 2.7629e-01],  
 [6.7022e+01, 4.8810e-01, 2.5103e+00],  
 [1.3929e+01, 1.5752e-02, 6.0445e-01],  
 [1.3558e-01, 5.3531e-06, 1.9301e-02],  
 [1.1076e+02, 3.7729e+00, 4.2876e+00],  
 [2.4166e+00, 2.4486e-03, 1.7633e-01],  
 [7.8200e-02, 3.4398e-06, 1.0261e-02],  
 [2.2171e+01, 3.5395e-02, 8.4638e-01],  
 [8.0818e+01, 1.3006e+00, 3.0425e+00],  
 [2.5471e+01, 1.7549e-02, 7.6266e-01],  
 [1.7805e+01, 1.5807e-02, 1.0311e+00],  
 [2.4817e-01, 3.8116e-06, 2.5530e-02],  
 [8.9397e+01, 1.2103e+00, 3.2466e+00],  
 [9.6746e+01, 9.0813e-01, 2.0957e+00],  
 [2.6233e+00, 1.0089e-03, 1.3657e-01],  
 [4.4804e+01, 1.0828e-01, 3.0814e+00],  
 [8.3157e-01, 3.5402e-05, 8.3627e-02],  
 [6.0045e-02, 8.2255e-07, 8.8498e-03],  
 [4.8793e-01, 7.5344e-06, 3.9942e-02],  
 [7.7600e-02, 3.0304e-06, 1.0536e-02],  
 [3.3530e-02, 4.4861e-07, 4.5299e-03],  
 [5.5135e+00, 1.3741e-03, 2.1210e-01],  
 [2.4754e-01, 1.1080e-05, 3.0635e-02],  
 [7.3747e-02, 6.4712e-06, 1.0452e-02],  
 [8.7968e+01, 6.9363e-01, 2.4686e+00],  
 [4.0839e+00, 3.9636e-04, 2.1841e-01],  
 [2.3141e+00, 1.7362e-03, 1.8722e-01],  
 [4.3433e-03, 2.2662e-08, 6.7648e-04],  
 [1.0035e-01, 2.9401e-06, 1.2271e-02],  
 [1.7507e+00, 2.8156e-04, 1.1044e-01],  
 [4.8063e-01, 1.9547e-04, 6.0557e-02],  
 [8.5968e+01, 1.6904e+00, 1.9406e+00],  
 [1.5670e+02, 3.7359e+00, 4.5212e+00],  
 [2.3811e+00, 6.7859e-04, 1.8133e-01],  
 [5.2561e-01, 8.8499e-05, 5.3745e-02],  
 [2.6974e+01, 6.4908e-02, 7.6629e-01],  
 [1.2806e+00, 3.7498e-04, 1.2694e-01],  
 [6.2442e+01, 6.4627e-01, 1.6598e+00],  
 [3.5047e+01, 8.7255e-02, 1.2929e+00],  
 [2.4384e-01, 7.4977e-05, 3.1550e-02],  
 [1.5586e+02, 2.9476e+00, 2.8029e+00],  
 [1.3757e+02, 2.0549e+00, 4.5863e+00],

[1.7007e+01, 4.1882e-02, 5.2227e-01],  
[6.2953e+00, 9.6492e-03, 4.8102e-01],  
[2.5897e-03, 2.8651e-09, 4.1052e-04],  
[4.2056e-01, 3.7540e-05, 3.3891e-02],  
[1.6644e-02, 3.2237e-07, 2.4099e-03],  
[4.8196e-01, 9.2728e-05, 4.4007e-02],  
[4.9510e+01, 4.7804e-02, 1.3377e+00],  
[2.4123e-01, 1.6651e-05, 2.4480e-02],  
[3.9146e-01, 2.3721e-05, 3.1103e-02],  
[5.6506e+01, 2.3461e-01, 1.1987e+00],  
[1.5555e+00, 7.4600e-04, 1.7358e-01],  
[6.6915e+00, 1.5337e-02, 4.0520e-01],  
[1.6998e+00, 8.1169e-05, 1.4433e-01],  
[9.0680e+01, 1.3961e+00, 2.3011e+00],  
[3.6363e-01, 7.8581e-06, 3.1841e-02],  
[2.1541e+02, 6.8838e+00, 4.3588e+00],  
[9.0081e+00, 2.9058e-04, 3.8736e-01],  
[6.5774e-01, 4.6479e-05, 6.2675e-02],  
[3.0748e-01, 2.7721e-05, 3.2310e-02],  
[2.3377e+02, 3.2262e+00, 4.6639e+00],  
[5.7155e-01, 8.4053e-05, 4.4637e-02],  
[9.1978e+01, 1.7552e+00, 1.9507e+00],  
[3.3021e-01, 3.5333e-05, 3.2521e-02],  
[2.4807e-01, 1.9861e-05, 3.1451e-02],  
[3.1997e-01, 4.3963e-05, 3.2071e-02],  
[5.0584e+01, 4.1155e-02, 9.7553e-01],  
[3.4185e+01, 7.9704e-02, 1.9009e+00],  
[1.7231e+02, 4.2239e+00, 4.5829e+00],  
[7.0678e-01, 3.7906e-05, 9.5061e-02],  
[2.1534e+00, 1.0379e-03, 2.0047e-01],  
[8.8074e-02, 4.8655e-07, 1.0791e-02],  
[1.0907e+02, 1.5701e+00, 4.4302e+00],  
[2.9393e+01, 4.2471e-02, 1.3598e+00],  
[1.1098e+02, 6.1719e-01, 3.6569e+00],  
[1.1004e+01, 3.3278e-02, 5.8693e-01],  
[2.7561e+01, 1.6367e-01, 9.6991e-01],  
[1.9465e+01, 1.2382e-01, 9.1828e-01],  
[4.1588e+00, 1.0643e-03, 1.7624e-01],  
[2.5096e+00, 6.6464e-03, 2.5905e-01],  
[3.1047e-03, 2.5457e-09, 5.0065e-04],  
[1.8970e+00, 1.6286e-03, 1.3805e-01],  
[8.1299e+01, 1.4470e+00, 3.6017e+00],  
[6.4672e+01, 9.9261e-01, 2.0896e+00],  
[1.5820e-01, 2.1558e-05, 1.6839e-02],  
[7.3469e+01, 3.9533e-01, 2.4246e+00],  
[6.3957e+00, 3.4865e-03, 3.4513e-01],  
[1.5887e-01, 6.4776e-06, 2.0031e-02],  
[7.5253e-01, 2.8277e-04, 9.4990e-02],



[4.4251e+00, 1.2302e-03, 4.5842e-01],  
[5.7365e+00, 8.6765e-04, 4.6321e-01],  
[3.5653e-01, 6.0205e-05, 3.0138e-02],  
[3.6777e+01, 6.9889e-02, 2.3821e+00],  
[8.9255e+00, 1.3680e-02, 4.9719e-01],  
[7.4464e-02, 4.0802e-06, 9.1181e-03],  
[8.0190e-01, 1.0699e-04, 8.6137e-02],  
[5.9918e+00, 8.1603e-03, 6.9350e-01],  
[1.5860e+01, 4.1793e-02, 6.4667e-01],  
[6.1964e+00, 8.6563e-03, 3.1700e-01],  
[2.9103e-01, 4.3704e-05, 2.6131e-02],  
[1.9984e+01, 6.1560e-02, 1.7447e+00],  
[4.0969e+01, 4.6714e-01, 2.8667e+00],  
[6.3032e+01, 3.3004e-01, 2.1528e+00],  
[4.4285e+01, 2.6358e-01, 2.1461e+00],  
[5.8599e+00, 6.5706e-03, 5.0901e-01],  
[8.3927e+00, 5.6946e-03, 5.4762e-01],  
[1.2762e+02, 3.1976e+00, 4.3952e+00],  
[8.0078e+01, 5.1739e-01, 2.8852e+00],  
[2.1084e+01, 2.9589e-02, 1.2915e+00],  
[1.6240e+02, 2.0447e+00, 4.1982e+00],  
[4.6871e+01, 1.3501e-01, 1.3588e+00],  
[7.7050e+00, 1.6411e-02, 5.5960e-01],  
[1.6104e+02, 4.5373e+00, 4.3395e+00],  
[3.4844e-01, 5.3939e-05, 3.2238e-02],  
[3.8441e+01, 3.2522e-01, 1.0194e+00],  
[1.1976e+01, 5.6060e-03, 4.0175e-01],  
[8.6614e+01, 1.6606e+00, 2.6675e+00],  
[7.1229e+01, 5.4043e-01, 1.9386e+00],  
[4.2422e-03, 1.1127e-08, 6.7595e-04],  
[1.3462e+01, 1.9824e-03, 4.1370e-01],  
[4.7882e-01, 8.0230e-05, 4.4878e-02],  
[1.4303e+02, 3.2513e+00, 4.5500e+00],  
[6.3112e+01, 1.8353e-01, 1.6727e+00],  
[8.0440e-01, 9.1475e-05, 6.9493e-02],  
[5.5606e+01, 1.9911e-01, 2.6288e+00],  
[5.6490e+01, 2.0429e-02, 1.7646e+00],  
[1.6409e+00, 1.0078e-03, 1.6897e-01],  
[2.0513e-01, 9.8206e-06, 2.0254e-02],  
[4.9915e-01, 5.8052e-05, 5.0760e-02],  
[2.4123e+01, 3.3401e-02, 1.9916e+00],  
[1.0386e+02, 1.8576e-01, 1.9663e+00],  
[4.1567e-01, 4.3630e-05, 4.7601e-02],  
[6.6836e+01, 1.0746e+00, 2.9528e+00],  
[2.1661e+00, 1.5410e-03, 2.1753e-01],  
[7.0453e+00, 7.7643e-03, 4.7085e-01],  
[6.5059e+01, 6.2861e-01, 1.7924e+00],  
[1.2128e-01, 1.0811e-05, 1.3709e-02],

[5.8068e+01, 3.9116e-01, 1.9007e+00],  
 [1.0979e+02, 2.8839e-01, 4.1334e+00],  
 [2.7171e+01, 1.0873e-01, 1.1537e+00],  
 [5.0493e+01, 7.4453e-01, 1.9336e+00],  
 [2.5526e+01, 1.7970e-02, 1.9294e+00],  
 [3.3126e-01, 1.3271e-04, 4.8189e-02],  
 [1.7909e+01, 2.6538e-02, 7.1082e-01],  
 [3.2958e+00, 3.1565e-03, 1.8268e-01],  
 [5.8264e+00, 2.9711e-03, 2.5511e-01],  
 [6.5980e+01, 4.6202e-01, 2.9852e+00],  
 [1.2391e-01, 2.3846e-06, 1.6481e-02],  
 [8.1017e-01, 2.0690e-05, 6.1285e-02],  
 [4.6681e+00, 4.3622e-03, 5.1415e-01],  
 [7.1892e+00, 4.8971e-03, 4.5427e-01],  
 [2.2121e+00, 1.2658e-03, 1.4879e-01],  
 [5.3187e+01, 4.4648e-01, 1.5890e+00],  
 [1.0305e+01, 1.1819e-02, 8.3670e-01],  
 [1.7940e+01, 8.7737e-02, 8.1438e-01],  
 [2.9983e+01, 6.9415e-02, 9.1432e-01],  
 [9.1509e-02, 9.8055e-07, 1.1997e-02],  
 [2.2242e+00, 4.0958e-04, 1.2356e-01],  
 [5.6810e+00, 1.1647e-03, 2.8625e-01],  
 [1.3062e+02, 1.3782e+00, 2.6695e+00],  
 [8.5727e+01, 3.5370e-01, 2.9099e+00],  
 [9.2557e+01, 9.4703e-01, 1.9752e+00],  
 [4.9037e-01, 1.1067e-04, 6.6769e-02],  
 [9.2254e-01, 1.2691e-04, 8.1234e-02],  
 [2.1834e-01, 1.1226e-05, 2.5899e-02],  
 [2.7097e+01, 1.6384e-01, 9.3366e-01],  
 [1.6411e+01, 3.5305e-02, 6.6089e-01],  
 [6.0598e+01, 4.9796e-01, 1.3177e+00],  
 [1.2221e+02, 2.1538e+00, 2.0828e+00],  
 [4.0306e+01, 5.1851e-02, 2.1845e+00],  
 [1.0249e+01, 9.2984e-03, 5.7784e-01],  
 [3.1832e+01, 2.8987e-02, 1.5246e+00],  
 [2.1793e+00, 3.1461e-03, 2.6063e-01],  
 [3.0554e-01, 4.8749e-05, 4.1799e-02],  
 [1.9940e+02, 3.3118e+00, 3.7239e+00],  
 [2.9685e+00, 2.0040e-03, 2.9630e-01],  
 [6.6769e+01, 5.9596e-01, 2.0760e+00],  
 [3.1223e-02, 3.2051e-07, 4.2733e-03],  
 [4.7718e-01, 1.5267e-04, 5.4139e-02],  
 [2.7814e-01, 8.7114e-06, 3.1348e-02],  
 [1.5296e+01, 1.3494e-02, 1.3291e+00],  
 [3.0160e+01, 1.4201e-01, 1.1901e+00],  
 [1.6638e+00, 3.3996e-04, 1.3882e-01],  
 [1.9243e+02, 1.0910e+00, 3.7826e+00],  
 [1.0610e+01, 1.2700e-02, 7.4498e-01],

[3.2767e+01, 5.9479e-01, 2.0617e+00],  
 [1.1576e+01, 1.1051e-02, 5.8791e-01],  
 [1.1115e+02, 1.1104e+00, 2.4925e+00],  
 [2.6066e+01, 6.2029e-02, 1.8158e+00],  
 [8.4648e+01, 1.9711e+00, 2.4389e+00],  
 [1.0959e+00, 4.0228e-04, 1.0537e-01],  
 [5.1620e-01, 7.7946e-05, 4.3585e-02],  
 [3.4713e-02, 1.9306e-07, 4.7037e-03],  
 [5.1270e+01, 6.3518e-01, 1.4158e+00],  
 [3.5895e+00, 4.5118e-03, 3.1715e-01],  
 [1.6752e-02, 2.5373e-07, 2.4738e-03],  
 [1.1978e+00, 2.4828e-04, 1.0216e-01],  
 [1.8160e+02, 3.3776e+00, 4.2618e+00],  
 [1.2696e+02, 2.2037e-01, 4.0075e+00],  
 [1.5697e+02, 3.6970e+00, 3.5997e+00],  
 [4.3807e+00, 2.9219e-03, 3.0087e-01],  
 [1.4217e+01, 2.1304e-02, 6.3174e-01],  
 [1.5544e+01, 3.8535e-02, 6.2875e-01],  
 [5.9338e+01, 1.1571e+00, 3.0957e+00],  
 [1.6719e+00, 1.8381e-03, 1.5218e-01],  
 [3.2784e+00, 1.6063e-03, 2.1187e-01],  
 [9.3423e-01, 1.3437e-04, 8.5993e-02],  
 [1.6514e+00, 9.7895e-04, 1.3258e-01],  
 [4.2929e+01, 2.5474e-01, 1.8875e+00],  
 [8.0927e+01, 7.1156e-01, 2.6562e+00],  
 [1.4117e+01, 1.2109e-02, 1.3429e+00],  
 [5.6135e-01, 4.7131e-05, 4.6862e-02],  
 [3.9964e+01, 1.5555e-01, 1.7874e+00],  
 [2.3584e+00, 5.4312e-04, 1.3757e-01],  
 [1.8176e-01, 5.4035e-06, 2.0357e-02],  
 [7.0369e+01, 8.5577e-01, 3.5308e+00],  
 [4.8051e+01, 3.3712e-02, 1.4718e+00],  
 [1.6732e-02, 6.3192e-08, 2.5293e-03],  
 [1.0486e-01, 4.3980e-06, 1.5775e-02],  
 [5.8300e-01, 5.1287e-05, 5.5803e-02],  
 [3.6007e-02, 2.0972e-07, 5.0638e-03],  
 [1.3928e+01, 6.4467e-02, 1.1121e+00],  
 [8.7431e-01, 6.8414e-05, 9.6933e-02],  
 [9.2924e+01, 2.8507e-01, 3.8264e+00],  
 [6.2612e-01, 1.5966e-04, 7.6644e-02],  
 [6.5048e-01, 2.3372e-04, 5.9541e-02],  
 [1.1751e-01, 6.5331e-06, 1.4156e-02],  
 [1.6320e+00, 8.8006e-04, 1.2302e-01],  
 [1.5625e+01, 8.4757e-02, 8.6509e-01],  
 [6.6617e+01, 1.0016e+00, 1.5473e+00],  
 [1.2055e+02, 1.1382e+00, 4.1564e+00],  
 [4.6013e-02, 2.0158e-06, 6.1191e-03],  
 [1.1635e+02, 1.4211e+00, 2.5381e+00],

```

[1.2418e+00, 8.9631e-04, 1.1241e-01],
[1.7797e-01, 7.1507e-06, 2.2528e-02],
[5.2316e+01, 6.4902e-02, 1.6854e+00],
[1.4569e-01, 1.3374e-05, 1.6582e-02],
[9.7857e+01, 1.8762e+00, 2.6562e+00],
[2.2831e-01, 3.9702e-06, 2.3991e-02],
[1.6296e-01, 7.9412e-06, 1.7798e-02],
[1.0350e+01, 3.1634e-02, 1.0620e+00],
[8.2986e+01, 6.5965e-02, 2.2858e+00],
[1.1425e+02, 1.3849e+00, 2.5875e+00],
[1.6652e-01, 1.0333e-05, 1.6872e-02],
[9.9795e+01, 3.0460e+00, 3.0999e+00],
[3.6834e+00, 5.5532e-03, 2.5214e-01],
[1.1089e+01, 4.8884e-03, 4.6790e-01],
[5.1985e-02, 2.6186e-06, 6.9912e-03],
[2.1581e+02, 2.4482e+00, 4.1788e+00],
[4.8326e+01, 1.5740e-01, 1.8966e+00],
[2.7922e+00, 1.4164e-03, 2.7182e-01],
[4.0413e-01, 2.7692e-05, 4.5573e-02],
[6.9731e-03, 9.4945e-09, 1.0847e-03],
[1.3564e+02, 2.9461e+00, 3.7978e+00],
[5.1123e+01, 5.6192e-01, 1.5285e+00],
[1.9989e+02, 3.9251e+00, 4.1184e+00],
[5.0667e-01, 5.5796e-05, 5.9173e-02],
[2.7082e+00, 2.3361e-03, 1.8853e-01],
[1.1812e+02, 1.6526e+00, 2.1408e+00],
[1.1065e+02, 1.3802e+00, 2.6044e+00],
[1.9331e+00, 3.1076e-04, 1.9768e-01],
[7.5922e-02, 3.6792e-06, 1.1412e-02],
[7.8142e+01, 2.8474e-01, 2.9046e+00],
[2.0020e+01, 1.2898e-01, 7.3388e-01],
[3.5958e-01, 2.7328e-05, 3.3500e-02],
[4.3614e-02, 1.1880e-06, 6.0877e-03],
[3.4556e-01, 5.7584e-05, 3.6090e-02],
[2.6786e-01, 9.2369e-06, 3.2213e-02],
[1.3239e+00, 1.5192e-04, 1.4644e-01]], dtype=torch.float64)
Iteration: 161
Inputs: tensor([[8.9421e+18, 1.8824e+02, 1.6116e+00, 3.4297e+00],
               [4.9032e+18, 3.7448e+02, 2.2422e+00, 6.9809e+00],
               [3.6151e+18, 1.6865e+02, 4.6731e+00, 6.6290e+00],
               ...,
               [4.7115e+19, 8.2858e+01, 1.4538e+01, 4.0805e+00],
               [1.4922e+18, 4.6609e+02, 1.8413e+01, 3.2918e+00],
               [9.9163e+19, 4.4477e+02, 1.4838e+01, 6.0303e+00]]), dtype=torch.float64)
Target: tensor([[3.0441e+00, 2.8721e-04, 2.0152e-01],
               [3.2939e+00, 8.5603e-04, 1.6084e-01],
               [5.8763e-01, 7.0544e-05, 5.6781e-02],
               [1.3528e-01, 1.2116e-05, 1.4459e-02],

```

[2.3241e+00, 6.0875e-04, 1.6640e-01],  
 [1.1634e+00, 1.0646e-04, 1.3342e-01],  
 [2.9026e+01, 3.4571e-02, 2.2577e+00],  
 [4.9809e+01, 2.2208e-01, 1.9091e+00],  
 [3.0638e-02, 3.8071e-07, 4.7401e-03],  
 [3.5735e+01, 3.2981e-01, 1.6783e+00],  
 [2.7615e-02, 2.5999e-07, 4.0630e-03],  
 [3.9686e-01, 2.3375e-05, 5.0599e-02],  
 [2.8817e+01, 4.7335e-02, 1.2503e+00],  
 [4.8649e+01, 1.8864e-01, 2.6079e+00],  
 [1.1649e+00, 1.4604e-04, 6.0690e-02],  
 [3.4566e+01, 1.8425e-01, 1.5802e+00],  
 [2.3011e-03, 4.9450e-10, 3.7090e-04],  
 [3.5884e+00, 2.1913e-03, 2.8868e-01],  
 [1.9147e+01, 8.6366e-02, 8.6420e-01],  
 [9.0368e+01, 1.8756e+00, 2.6850e+00],  
 [3.8678e-01, 5.8470e-05, 4.4551e-02],  
 [6.7701e+00, 1.4059e-02, 5.0614e-01],  
 [9.3661e-01, 1.4087e-04, 9.1337e-02],  
 [8.6242e+01, 6.5069e-01, 2.8770e+00],  
 [3.3874e+00, 4.7344e-03, 2.2128e-01],  
 [1.3387e+02, 3.3164e+00, 2.9191e+00],  
 [4.3592e+01, 1.8766e-01, 1.4995e+00],  
 [1.4287e+02, 1.0559e+00, 3.3720e+00],  
 [4.1890e-01, 4.8936e-05, 4.2491e-02],  
 [2.6091e+01, 1.5313e-01, 1.5211e+00],  
 [5.5305e-03, 1.3832e-08, 8.8277e-04],  
 [6.2327e-02, 2.3292e-07, 9.2112e-03],  
 [6.7897e+01, 5.4561e-01, 2.3113e+00],  
 [1.3062e+00, 6.5944e-05, 7.9493e-02],  
 [1.1368e+02, 2.4159e+00, 4.0448e+00],  
 [3.9688e+01, 1.6436e-01, 1.7295e+00],  
 [6.6017e+01, 1.1872e-01, 2.9902e+00],  
 [6.3381e+01, 5.6709e-02, 1.8039e+00],  
 [5.1757e-02, 1.0268e-06, 7.0995e-03],  
 [8.0823e+00, 2.4777e-02, 8.2244e-01],  
 [1.0426e+01, 1.6247e-02, 4.3477e-01],  
 [3.6096e+00, 4.0196e-03, 2.7432e-01],  
 [5.4915e+01, 4.1619e-01, 2.1710e+00],  
 [1.2508e+02, 4.4694e+00, 3.8292e+00],  
 [3.2742e+01, 8.8939e-02, 1.8738e+00],  
 [2.4236e+00, 1.4623e-03, 1.4763e-01],  
 [1.1896e+00, 2.2331e-04, 1.1928e-01],  
 [1.6620e+01, 1.8629e-02, 9.1666e-01],  
 [6.8719e+01, 9.7575e-01, 1.9059e+00],  
 [5.4878e-03, 2.8304e-08, 8.4415e-04],  
 [3.8626e-01, 4.6741e-05, 3.4920e-02],  
 [9.0362e-03, 6.1560e-09, 1.4058e-03],

[7.0071e+01, 5.2369e-01, 2.1503e+00],  
 [1.4540e+00, 3.3766e-04, 1.2716e-01],  
 [1.6178e+01, 3.5698e-02, 5.6588e-01],  
 [2.0654e+02, 5.1834e+00, 3.7625e+00],  
 [7.9572e-02, 2.7960e-06, 1.1265e-02],  
 [1.3377e+02, 3.0525e+00, 3.7726e+00],  
 [1.2194e+02, 2.2128e+00, 3.7417e+00],  
 [6.5012e-02, 8.5346e-07, 9.0993e-03],  
 [2.7271e-01, 4.9747e-05, 2.7877e-02],  
 [1.5735e-01, 1.5731e-05, 1.8550e-02],  
 [6.2417e-01, 7.4458e-05, 5.1789e-02],  
 [1.8785e+00, 9.4145e-04, 1.2262e-01],  
 [1.2233e+01, 3.1326e-02, 5.7041e-01],  
 [9.8464e-03, 2.1889e-08, 1.4933e-03],  
 [1.7270e+01, 6.1786e-03, 1.1736e+00],  
 [1.0310e-01, 1.6996e-06, 1.4511e-02],  
 [4.6134e+01, 7.1408e-01, 2.5469e+00],  
 [1.0127e+01, 2.4843e-02, 6.9052e-01],  
 [7.9914e+00, 8.6246e-03, 3.0369e-01],  
 [3.1761e+01, 1.1645e-01, 9.2545e-01],  
 [1.5636e+00, 4.1800e-04, 9.2901e-02],  
 [2.2974e-01, 2.3032e-05, 2.4601e-02],  
 [3.1095e+01, 1.6166e-01, 1.2589e+00],  
 [6.1415e+01, 6.3815e-01, 2.6690e+00],  
 [1.2623e+02, 1.5979e+00, 4.0239e+00],  
 [4.4754e-01, 3.7280e-05, 3.2182e-02],  
 [2.4579e+00, 8.2323e-04, 2.3606e-01],  
 [6.1951e-01, 3.8772e-05, 6.3345e-02],  
 [4.3710e+01, 2.5128e-01, 1.0342e+00],  
 [5.6815e+01, 4.0826e-01, 1.1812e+00],  
 [8.0466e+00, 3.2228e-02, 5.0088e-01],  
 [1.6151e-01, 1.0609e-05, 1.9641e-02],  
 [5.2845e+00, 4.7023e-03, 3.6871e-01],  
 [8.9581e+00, 2.2899e-03, 8.9728e-01],  
 [1.5603e-01, 1.2634e-06, 2.2062e-02],  
 [1.3396e+02, 3.6483e-01, 2.5132e+00],  
 [3.2785e+02, 1.1419e+01, 4.9634e+00],  
 [4.0560e-01, 2.1108e-06, 3.3153e-02],  
 [5.0785e-02, 4.7622e-07, 7.0101e-03],  
 [1.0903e+00, 7.1005e-04, 1.2781e-01],  
 [1.3350e+02, 4.5686e-01, 3.6106e+00],  
 [1.4541e+01, 4.1851e-02, 7.9971e-01],  
 [1.0942e+02, 2.4474e+00, 2.4528e+00],  
 [2.0838e+00, 3.4890e-04, 1.5241e-01],  
 [1.2990e+00, 8.7420e-05, 7.0302e-02],  
 [1.3798e+01, 8.7589e-02, 1.0871e+00],  
 [7.3240e+00, 7.3256e-03, 2.8736e-01],  
 [5.0684e+01, 3.5976e-01, 1.1896e+00],

[1.2207e+02, 1.6974e+00, 3.7570e+00],  
[6.6026e+00, 8.2525e-03, 4.0568e-01],  
[7.0195e+01, 6.2038e-01, 2.9111e+00],  
[7.2643e+01, 1.5898e-01, 2.3045e+00],  
[1.3660e+00, 3.8459e-04, 1.2290e-01],  
[3.5843e+01, 7.6559e-02, 2.2880e+00],  
[1.7367e+02, 1.3543e+00, 4.6404e+00],  
[2.5909e+01, 9.8339e-02, 8.5298e-01],  
[1.3455e+02, 2.0861e+00, 3.9350e+00],  
[7.3685e+01, 7.4705e-01, 1.6022e+00],  
[9.2683e+01, 1.9842e+00, 3.3508e+00],  
[1.6907e+01, 8.0479e-02, 8.1174e-01],  
[1.1477e+00, 3.7892e-04, 1.2261e-01],  
[1.9015e+00, 9.0989e-04, 1.3078e-01],  
[1.4920e+00, 7.6169e-05, 1.1195e-01],  
[2.5619e+01, 1.8694e-01, 2.0250e+00],  
[5.0944e+00, 6.4097e-03, 3.7798e-01],  
[2.9948e+00, 1.5390e-03, 2.2073e-01],  
[2.6626e+01, 1.0986e-01, 1.1329e+00],  
[8.2133e+01, 6.6984e-01, 3.7980e+00],  
[2.8704e+01, 1.0319e-01, 7.0473e-01],  
[1.3755e-01, 7.1873e-06, 1.6989e-02],  
[9.2665e+01, 2.1001e-01, 3.4550e+00],  
[6.4350e-01, 6.4018e-05, 7.3647e-02],  
[2.0217e+02, 6.3869e+00, 4.8524e+00],  
[3.9115e-01, 1.5540e-04, 4.8075e-02],  
[5.6642e+01, 4.5468e-01, 1.7146e+00],  
[2.1955e+00, 4.7213e-04, 2.7529e-01],  
[8.8833e+01, 1.1195e+00, 2.7847e+00],  
[4.2552e+01, 8.0149e-01, 2.6822e+00],  
[8.9088e-01, 9.9950e-05, 1.0189e-01],  
[4.9115e-01, 2.0485e-05, 4.6216e-02],  
[3.1904e+01, 6.6711e-02, 8.3584e-01],  
[1.6190e+01, 3.6813e-02, 6.3813e-01],  
[2.1247e+00, 9.2460e-04, 2.1132e-01],  
[1.2055e+02, 3.7764e-01, 3.1809e+00],  
[3.2942e-02, 1.9833e-06, 5.1056e-03],  
[1.1290e+02, 8.5443e-01, 2.1824e+00],  
[3.1750e-01, 1.5282e-06, 2.7278e-02],  
[7.5042e+01, 4.1435e-01, 1.4605e+00],  
[6.8023e+00, 9.8180e-03, 3.9707e-01],  
[1.0761e+02, 7.4708e-01, 4.3913e+00],  
[1.9753e-02, 1.6658e-07, 2.8673e-03],  
[3.4455e+01, 5.4133e-01, 1.7387e+00],  
[9.1044e-01, 1.8165e-05, 7.3758e-02],  
[5.3666e+00, 6.9056e-03, 3.8224e-01],  
[1.6332e+00, 3.5716e-04, 1.0600e-01],  
[4.0110e+00, 3.0869e-03, 2.9108e-01],

[2.2909e+00, 5.0501e-03, 3.0769e-01],  
 [5.2252e+00, 6.0242e-03, 2.9039e-01],  
 [3.9580e+01, 1.5571e-01, 1.8122e+00],  
 [8.6719e-03, 2.7732e-08, 1.3284e-03],  
 [1.1089e+01, 5.6377e-03, 8.2929e-01],  
 [1.2191e+01, 2.9375e-02, 6.4457e-01],  
 [1.0756e-02, 7.0962e-08, 1.6858e-03],  
 [1.3997e+01, 5.1121e-03, 1.0087e+00],  
 [2.1043e+01, 1.6477e-02, 1.4639e+00],  
 [1.7126e-01, 1.8458e-05, 1.8597e-02],  
 [8.0855e-01, 2.4585e-05, 7.1217e-02],  
 [2.3400e+02, 4.2565e+00, 3.7995e+00],  
 [1.1862e+01, 5.0013e-02, 5.7719e-01],  
 [6.7804e-01, 1.0064e-04, 6.6296e-02],  
 [6.3876e+01, 2.0103e-01, 1.9993e+00],  
 [5.6109e-01, 2.6121e-04, 6.8911e-02],  
 [2.1976e+00, 1.4267e-04, 1.5987e-01],  
 [2.3164e+01, 1.6098e-01, 1.4412e+00],  
 [1.3292e-01, 4.6045e-06, 1.5746e-02],  
 [3.1662e-01, 7.7736e-05, 4.3205e-02],  
 [5.1517e+01, 4.8609e-01, 2.8504e+00],  
 [9.9426e+00, 6.9082e-03, 5.1291e-01],  
 [7.0757e-02, 7.4340e-07, 9.3153e-03],  
 [5.9370e+01, 1.0295e+00, 2.1275e+00],  
 [9.6423e-01, 3.9409e-05, 1.0147e-01],  
 [6.1994e-02, 3.8271e-06, 7.8490e-03],  
 [5.4826e+00, 3.9350e-03, 3.6940e-01],  
 [4.5598e-01, 4.6947e-05, 5.2864e-02],  
 [1.7334e+00, 1.0165e-03, 1.4917e-01],  
 [6.7646e+00, 1.7729e-02, 4.4471e-01],  
 [5.3267e+00, 2.4242e-02, 5.8888e-01],  
 [2.9520e+01, 3.0936e-01, 1.5885e+00],  
 [2.7901e+02, 5.4970e-01, 4.7470e+00],  
 [6.1199e-03, 8.4520e-09, 9.6368e-04],  
 [3.3184e-02, 1.8671e-07, 5.0292e-03],  
 [5.1014e+01, 9.2574e-01, 2.0236e+00],  
 [2.9420e+01, 1.6142e-01, 8.7206e-01],  
 [9.4130e+00, 1.0183e-02, 1.0808e+00],  
 [1.2223e+01, 7.8607e-03, 8.9588e-01],  
 [6.2889e+01, 9.4463e-01, 2.0658e+00],  
 [5.8822e+00, 6.6463e-04, 2.5849e-01],  
 [2.3364e+02, 1.4938e+00, 4.8651e+00],  
 [3.4963e+01, 1.0329e-01, 1.6521e+00],  
 [1.2991e+01, 1.2856e-02, 7.0317e-01],  
 [3.9630e-01, 1.2335e-05, 4.9606e-02],  
 [1.1265e-01, 5.9201e-06, 1.6500e-02],  
 [1.9212e+01, 6.2516e-02, 8.7733e-01],  
 [1.3348e+02, 2.3413e+00, 2.8328e+00],



[1.7951e+01, 6.4952e-02, 1.7286e+00],  
[1.3561e+02, 3.1842e+00, 3.3846e+00],  
[1.0638e-02, 6.2334e-08, 1.6813e-03],  
[8.6377e+01, 6.9476e-01, 3.8591e+00],  
[1.1280e+00, 1.6722e-04, 6.7709e-02],  
[4.6160e+00, 2.0169e-04, 3.1263e-01],  
[6.0383e+00, 5.1381e-03, 3.2074e-01],  
[1.3502e-01, 4.8496e-06, 1.7371e-02],  
[2.2742e+01, 1.0602e-01, 1.3480e+00],  
[2.8628e+01, 1.9233e-01, 1.0241e+00],  
[5.0988e-01, 5.4968e-05, 4.9248e-02],  
[1.7667e+01, 1.0780e-01, 8.7581e-01],  
[5.4915e+00, 6.3254e-04, 3.1217e-01],  
[1.4613e+00, 1.4206e-04, 1.4924e-01],  
[1.7266e+00, 1.4267e-03, 1.3003e-01],  
[5.0776e+01, 1.2357e-01, 1.7488e+00],  
[1.6710e+01, 9.9416e-02, 1.3172e+00],  
[9.7603e-01, 4.1487e-04, 7.4102e-02],  
[6.9711e-01, 3.5927e-04, 9.1769e-02],  
[3.0631e+02, 1.2834e+01, 5.0761e+00],  
[4.0977e-01, 5.2766e-05, 6.1841e-02],  
[1.0460e+02, 5.5551e-01, 4.3021e+00],  
[1.7661e-02, 6.6884e-08, 2.5804e-03],  
[2.6246e-02, 6.3804e-07, 3.8244e-03],  
[3.0545e-02, 1.6775e-07, 4.5432e-03],  
[6.7149e+01, 1.8236e-01, 1.7066e+00],  
[3.1163e+00, 2.2551e-03, 1.7503e-01],  
[1.4311e+02, 2.3172e+00, 3.5362e+00],  
[5.4155e-03, 2.0700e-08, 8.7106e-04],  
[9.9371e+00, 1.4125e-02, 4.7024e-01],  
[5.0249e-01, 5.8696e-05, 5.4174e-02],  
[2.7477e-02, 3.3675e-07, 3.8743e-03],  
[1.9246e+01, 1.0584e-02, 1.1540e+00],  
[4.8976e+00, 2.7292e-02, 5.0069e-01],  
[2.0430e+01, 1.8814e-01, 8.7054e-01],  
[4.5435e+00, 4.7884e-03, 3.5423e-01],  
[3.3697e-01, 7.1390e-05, 3.1433e-02],  
[7.9504e-01, 5.7189e-05, 6.7451e-02],  
[3.0762e+01, 8.7536e-02, 1.3607e+00],  
[5.5598e+01, 2.4598e-01, 2.1968e+00],  
[1.3818e-02, 2.0753e-08, 2.1790e-03],  
[8.1734e-02, 6.2121e-06, 1.0941e-02],  
[1.2056e+01, 2.0488e-02, 8.9724e-01],  
[2.2231e-04, 1.2911e-11, 3.6556e-05],  
[5.3733e+01, 6.1843e-01, 1.3565e+00],  
[3.1435e+01, 1.4977e-01, 1.8007e+00],  
[1.5488e+00, 2.2470e-04, 1.5934e-01],  
[7.4329e+00, 6.2748e-04, 3.0758e-01],

[8.2012e+01, 3.8814e-01, 3.2946e+00],  
 [1.8865e+01, 7.0267e-02, 6.1163e-01],  
 [3.4625e-02, 8.2595e-08, 5.1636e-03],  
 [1.3867e+00, 2.1408e-04, 1.1113e-01],  
 [1.1088e+01, 1.7512e-02, 6.3272e-01],  
 [3.4461e+01, 7.3809e-02, 2.2355e+00],  
 [3.7313e+00, 6.0648e-03, 3.4553e-01],  
 [1.0308e-02, 1.0388e-08, 1.5940e-03],  
 [1.6278e+00, 2.9004e-04, 1.5759e-01],  
 [3.2724e-02, 1.0044e-07, 4.6366e-03],  
 [3.2106e+01, 1.4133e-01, 7.4956e-01],  
 [6.6829e+01, 6.2876e-01, 3.5897e+00],  
 [1.6033e+00, 2.8709e-04, 1.0486e-01],  
 [4.1657e+01, 3.8058e-01, 1.2376e+00],  
 [4.6249e-01, 3.1080e-05, 3.4066e-02],  
 [5.4609e+01, 5.4587e-01, 1.7390e+00],  
 [1.3399e-01, 6.2111e-06, 1.6119e-02],  
 [3.3753e+01, 4.8009e-01, 2.1291e+00],  
 [7.0063e-01, 9.7114e-05, 5.9428e-02],  
 [1.8508e+01, 7.3896e-02, 1.6532e+00],  
 [3.1547e+01, 6.8749e-02, 7.0979e-01],  
 [6.6891e+01, 8.4944e-01, 1.9042e+00],  
 [3.3381e+01, 3.1724e-01, 2.3240e+00],  
 [6.0290e+01, 7.4967e-01, 2.1275e+00],  
 [1.6854e+01, 4.2580e-02, 1.2683e+00],  
 [7.3308e-01, 1.7587e-04, 7.9895e-02],  
 [1.9715e+02, 5.2696e+00, 4.2227e+00],  
 [9.1833e-01, 6.1351e-04, 9.2265e-02],  
 [4.9719e+00, 1.1744e-02, 4.6548e-01],  
 [2.4851e+00, 2.1888e-03, 2.7345e-01],  
 [4.1408e+01, 4.2627e-01, 2.4742e+00],  
 [2.7252e+01, 1.4320e-01, 1.1322e+00],  
 [7.1606e+01, 8.2373e-01, 1.5405e+00],  
 [1.2752e+01, 8.8120e-02, 6.9128e-01],  
 [4.5376e-02, 3.7262e-07, 6.6978e-03],  
 [2.2513e+00, 1.1383e-03, 1.4338e-01],  
 [7.8287e-02, 1.1998e-06, 1.1132e-02],  
 [8.8969e+00, 2.9182e-02, 5.9490e-01],  
 [1.1637e+01, 2.9630e-02, 5.4733e-01],  
 [1.2367e+00, 6.1872e-05, 1.2640e-01],  
 [5.1908e+01, 7.1588e-01, 2.3190e+00],  
 [1.0920e+02, 1.4271e+00, 2.0002e+00],  
 [4.7740e-02, 1.3479e-06, 6.3209e-03],  
 [2.0292e+02, 5.1869e+00, 4.6216e+00],  
 [2.6709e+01, 1.1715e-01, 1.2209e+00],  
 [8.3100e+01, 6.9967e-01, 1.7474e+00],  
 [1.0348e+02, 1.0372e+00, 3.2495e+00],  
 [1.7237e+01, 4.7122e-02, 7.2237e-01],

```

[6.7337e-01, 2.0638e-05, 7.6092e-02],
[3.5359e+01, 1.9747e-01, 2.2734e+00],
[5.9590e+01, 7.1930e-01, 2.9111e+00],
[8.5451e+01, 1.7071e+00, 1.8668e+00],
[5.0139e+01, 1.2335e-01, 1.3047e+00],
[1.4282e+01, 2.6206e-02, 6.0811e-01],
[1.4748e-01, 1.9956e-06, 1.8924e-02],
[2.3842e+02, 2.7586e+00, 4.9194e+00],
[8.5676e+00, 1.7222e-02, 6.5242e-01],
[1.5258e+02, 7.4054e-01, 2.9868e+00],
[1.1531e+00, 2.5059e-04, 1.0700e-01],
[1.1021e+02, 7.7464e-01, 4.3828e+00],
[1.6150e-02, 3.4340e-07, 2.4279e-03],
[1.3378e-02, 2.8907e-08, 2.1088e-03],
[6.4801e-01, 1.2789e-04, 6.1763e-02],
[9.4999e+00, 3.0433e-02, 9.1494e-01],
[5.2175e+01, 4.1963e-01, 2.6510e+00],
[2.1057e-03, 7.6330e-10, 3.4213e-04],
[2.8684e-03, 2.2849e-09, 4.6313e-04],
[4.0810e+01, 1.8432e-01, 2.9454e+00],
[1.5621e+00, 4.4797e-05, 1.5279e-01],
[2.1605e+02, 8.7070e-01, 3.8595e+00],
[2.3194e+01, 1.1124e-01, 8.9418e-01],
[6.8861e+01, 3.3242e-01, 2.2812e+00],
[3.1391e+00, 5.0457e-03, 2.6635e-01],
[2.0453e+00, 1.6922e-03, 2.2699e-01],
[8.3711e-02, 2.1109e-06, 1.0510e-02],
[4.1903e+01, 2.9977e-01, 1.3545e+00]], dtype=torch.float64)
Iteration: 162
Inputs: tensor([[3.3263e+20, 4.9483e+02, 9.9751e+00, 4.7608e+00],
[1.4251e+18, 1.0402e+02, 1.1465e+00, 5.2850e+00],
[7.4882e+18, 2.0275e+01, 1.6835e+01, 9.2232e+00],
...,
[6.7973e+18, 1.8699e+02, 5.1481e+00, 7.7736e+00],
[7.4559e+19, 2.6115e+02, 3.3148e+00, 5.6797e+00],
[3.7165e+20, 3.1830e+02, 1.4141e+01, 4.4265e+00]], dtype=torch.float64)
Target: tensor([[1.1467e+02, 1.0309e+00, 2.7926e+00],
[1.0062e-01, 1.4101e-06, 1.2180e-02],
[1.5110e-02, 4.4479e-07, 2.3749e-03],
[1.9492e-01, 1.6265e-05, 2.0533e-02],
[1.1657e+00, 4.4202e-04, 9.5520e-02],
[4.0995e-01, 6.5294e-06, 4.8866e-02],
[2.2931e-02, 1.1204e-07, 3.3307e-03],
[1.8657e+01, 6.4528e-02, 6.9106e-01],
[4.4361e-01, 6.8695e-05, 3.5229e-02],
[9.9326e-02, 3.5306e-06, 1.2802e-02],
[5.2834e-01, 1.1699e-04, 6.9302e-02],
[1.5677e+00, 1.4152e-04, 1.7096e-01],

```

[3.4601e-01, 2.9489e-05, 4.5783e-02],  
[6.3079e+01, 6.3722e-01, 1.4285e+00],  
[1.2016e+01, 5.7155e-02, 1.1204e+00],  
[3.0196e+00, 3.4202e-04, 1.8451e-01],  
[4.3603e+00, 4.3084e-03, 2.9507e-01],  
[5.8761e-01, 2.0420e-04, 8.6986e-02],  
[1.2295e-02, 7.1825e-08, 1.8711e-03],  
[7.8156e-01, 1.7916e-04, 6.5043e-02],  
[1.5257e-01, 1.1214e-05, 1.6609e-02],  
[2.5459e+01, 3.8498e-02, 7.5805e-01],  
[7.0616e+01, 3.2140e-01, 3.6136e+00],  
[8.2070e-02, 7.4402e-06, 1.2239e-02],  
[5.0239e+01, 1.2116e-02, 1.1600e+00],  
[5.3830e+01, 5.2958e-01, 1.1096e+00],  
[2.5760e-01, 1.8534e-05, 2.6021e-02],  
[1.1092e+00, 1.4193e-04, 9.6888e-02],  
[9.6509e+00, 5.6533e-03, 5.1036e-01],  
[9.1510e-01, 1.7460e-04, 5.8509e-02],  
[1.9755e-02, 3.2848e-07, 2.8175e-03],  
[2.5668e+01, 2.2279e-01, 8.0716e-01],  
[1.1291e+01, 1.0984e-02, 1.0797e+00],  
[1.8084e+01, 2.2530e-03, 1.1328e+00],  
[5.5030e+01, 1.6293e-01, 1.4835e+00],  
[5.6613e+00, 1.3612e-02, 3.4263e-01],  
[5.2796e+01, 5.8610e-01, 1.8417e+00],  
[2.9937e+01, 5.1425e-02, 2.0357e+00],  
[1.5168e+00, 2.2571e-03, 1.6669e-01],  
[1.6453e-01, 9.5330e-06, 1.7045e-02],  
[5.4428e+01, 7.5028e-02, 2.0030e+00],  
[2.7471e+01, 5.7343e-02, 1.7851e+00],  
[3.2933e+00, 2.4284e-04, 2.1160e-01],  
[4.5180e+01, 1.0603e-01, 2.4970e+00],  
[1.0966e+00, 3.3464e-04, 9.6670e-02],  
[9.8239e+00, 1.1451e-02, 5.3226e-01],  
[1.0857e-01, 5.5535e-06, 1.4723e-02],  
[6.2887e+00, 1.6565e-02, 3.4312e-01],  
[7.2561e+00, 9.9091e-03, 3.2750e-01],  
[2.5622e+00, 1.1612e-04, 2.2476e-01],  
[1.0285e+02, 9.3479e-01, 2.1795e+00],  
[2.3583e-01, 3.6048e-06, 3.0514e-02],  
[1.3788e+00, 1.8010e-04, 1.4475e-01],  
[6.0974e-01, 2.2770e-04, 6.6100e-02],  
[4.4539e+00, 2.4864e-03, 3.2747e-01],  
[1.4952e+01, 3.2281e-02, 5.4584e-01],  
[1.7330e+01, 2.2092e-02, 1.1016e+00],  
[6.8658e-03, 4.0649e-08, 1.0651e-03],  
[1.4031e+02, 2.5502e+00, 3.5760e+00],  
[4.5147e+01, 3.4090e-01, 1.0499e+00],

[8.1616e+00, 4.6170e-03, 5.8723e-01],  
[2.8822e+00, 2.2646e-03, 2.4949e-01],  
[4.5168e+01, 4.4586e-01, 2.5777e+00],  
[6.2413e-04, 9.8060e-11, 1.0194e-04],  
[2.9696e+00, 2.6662e-03, 2.0594e-01],  
[3.3662e+00, 3.2055e-03, 2.5577e-01],  
[1.7914e+01, 5.0256e-02, 5.8384e-01],  
[9.9760e-03, 1.4521e-08, 1.5070e-03],  
[3.8232e-03, 3.6267e-09, 5.9867e-04],  
[6.5640e-01, 3.3974e-05, 4.6555e-02],  
[2.5467e+00, 1.7407e-03, 1.9268e-01],  
[9.3704e+01, 1.4705e+00, 3.1823e+00],  
[2.4577e+01, 1.1687e-02, 6.5722e-01],  
[6.6400e+01, 8.4225e-01, 2.0172e+00],  
[1.5023e+01, 3.0913e-03, 6.8184e-01],  
[1.1493e+00, 3.0914e-04, 9.1559e-02],  
[3.8568e-01, 1.7513e-05, 3.6470e-02],  
[2.1756e+02, 5.7795e+00, 4.2867e+00],  
[3.1173e-02, 1.1622e-07, 4.6022e-03],  
[1.1931e-01, 9.5188e-06, 1.6106e-02],  
[1.6124e+02, 8.8415e-01, 3.3275e+00],  
[1.3632e+00, 5.0405e-04, 1.2742e-01],  
[2.1266e+00, 2.6892e-04, 1.6376e-01],  
[2.1320e-01, 8.9253e-06, 2.1301e-02],  
[3.6741e+01, 5.1484e-01, 1.3943e+00],  
[2.1809e+00, 6.0105e-04, 1.4397e-01],  
[2.4399e+01, 2.7648e-02, 1.1502e+00],  
[2.9890e+00, 6.4132e-04, 2.5410e-01],  
[4.4618e+00, 4.5640e-03, 2.4322e-01],  
[2.1742e+01, 1.5069e-01, 8.9098e-01],  
[8.0391e+00, 3.9830e-02, 7.2466e-01],  
[6.4538e-01, 5.8625e-05, 5.2547e-02],  
[5.5480e-01, 1.2077e-04, 4.9560e-02],  
[1.1878e+01, 1.6725e-02, 6.9455e-01],  
[2.4222e-01, 2.2746e-05, 2.3455e-02],  
[3.8137e-01, 1.6090e-04, 4.9833e-02],  
[2.9470e+00, 9.1409e-04, 2.3908e-01],  
[4.7339e+01, 5.0024e-01, 1.6432e+00],  
[1.0871e+00, 3.3223e-04, 1.2632e-01],  
[5.1037e+01, 5.5844e-01, 2.5056e+00],  
[1.3301e-01, 2.8985e-06, 1.7355e-02],  
[6.0634e+01, 4.7726e-01, 1.4654e+00],  
[2.5399e+01, 1.5816e-01, 1.7975e+00],  
[1.4297e+01, 1.2136e-02, 1.2375e+00],  
[1.0051e+02, 1.3209e+00, 2.1763e+00],  
[2.2436e+01, 1.8825e-01, 1.1027e+00],  
[5.1697e-01, 7.0833e-05, 4.7695e-02],  
[2.0242e-01, 1.7868e-05, 1.9702e-02],

[1.4238e+02, 2.1541e+00, 3.5932e+00],  
[5.7964e+01, 1.3585e-01, 1.7105e+00],  
[4.3120e+00, 4.0237e-03, 2.6303e-01],  
[1.8868e+01, 4.0250e-02, 9.7214e-01],  
[5.8786e+00, 3.5558e-03, 2.9331e-01],  
[1.7842e+02, 4.1284e+00, 4.5034e+00],  
[1.2883e+02, 2.0296e+00, 4.1156e+00],  
[1.3171e+02, 3.8516e+00, 3.3907e+00],  
[9.1496e+00, 4.3691e-03, 5.4511e-01],  
[3.2785e+01, 2.4201e-01, 1.4723e+00],  
[1.9441e+02, 3.0467e+00, 4.7975e+00],  
[6.4712e+01, 2.8790e-01, 1.8623e+00],  
[5.0280e+01, 6.1376e-01, 2.7554e+00],  
[1.5026e+01, 9.2089e-02, 1.2998e+00],  
[1.6587e+02, 3.8326e+00, 4.1784e+00],  
[3.9289e+01, 1.0099e-01, 2.4645e+00],  
[5.5906e+00, 4.8800e-03, 3.9100e-01],  
[7.3504e-03, 1.2288e-08, 1.1445e-03],  
[5.6629e+01, 3.5107e-01, 1.7318e+00],  
[1.0301e+02, 2.0311e+00, 3.0353e+00],  
[6.8396e-02, 2.2614e-06, 1.0419e-02],  
[1.8281e+02, 3.8622e+00, 3.2569e+00],  
[1.2759e+01, 6.7986e-03, 4.9942e-01],  
[4.8393e+01, 2.8787e-01, 1.0533e+00],  
[6.2848e+00, 5.2695e-03, 3.3026e-01],  
[3.5463e+01, 9.4810e-02, 7.8439e-01],  
[4.3398e+01, 2.1056e-01, 1.1361e+00],  
[1.6422e+01, 4.5515e-02, 7.8981e-01],  
[1.1836e+01, 1.4161e-02, 4.6730e-01],  
[2.7664e+01, 3.2440e-01, 1.2260e+00],  
[7.3219e+00, 2.5849e-02, 4.6684e-01],  
[1.0590e+01, 6.3841e-03, 5.1046e-01],  
[6.0436e+01, 3.7427e-02, 2.8046e+00],  
[8.4853e-01, 4.9165e-05, 4.8926e-02],  
[7.9421e+01, 3.6151e-01, 1.7075e+00],  
[1.8436e+01, 2.5103e-02, 1.1346e+00],  
[1.7734e+01, 7.8994e-02, 6.5790e-01],  
[5.1115e-01, 1.1938e-04, 5.6040e-02],  
[3.6664e-01, 2.6761e-05, 3.8276e-02],  
[3.6927e+01, 2.3678e-02, 9.8870e-01],  
[3.3264e-01, 2.6440e-05, 4.5318e-02],  
[2.5605e+01, 4.3454e-02, 1.5604e+00],  
[4.3484e+00, 4.9821e-03, 3.0803e-01],  
[1.4484e-01, 5.1033e-06, 1.8434e-02],  
[9.4544e-01, 6.5780e-04, 9.2333e-02],  
[9.3654e+00, 2.2077e-03, 3.0656e-01],  
[2.6938e+02, 1.1092e+01, 4.3825e+00],  
[7.2660e+01, 5.8069e-01, 2.0170e+00],

[3.2614e+00, 2.5244e-03, 2.2792e-01],  
 [6.1894e+00, 4.8080e-03, 5.9460e-01],  
 [1.0781e+00, 1.1782e-04, 1.0303e-01],  
 [1.0870e+01, 4.8080e-02, 5.8537e-01],  
 [6.4833e-03, 2.4196e-08, 9.9097e-04],  
 [6.8425e+00, 3.5916e-03, 3.9990e-01],  
 [4.5566e+00, 1.7615e-03, 2.0093e-01],  
 [1.1794e+02, 3.1295e+00, 3.4988e+00],  
 [8.4341e+00, 3.0157e-02, 4.3659e-01],  
 [1.5090e+00, 1.2663e-04, 1.7324e-01],  
 [1.2165e+01, 1.0499e-02, 7.4191e-01],  
 [1.0938e+01, 5.8654e-02, 6.1089e-01],  
 [3.4731e+00, 1.2321e-03, 2.5709e-01],  
 [4.9429e+01, 2.8670e-01, 1.6023e+00],  
 [1.1396e+01, 2.8315e-02, 1.2036e+00],  
 [8.2970e-01, 7.7644e-05, 1.0288e-01],  
 [3.6513e+01, 3.8197e-01, 1.4768e+00],  
 [1.6580e-01, 9.5630e-06, 2.4053e-02],  
 [1.9521e+00, 7.0137e-04, 1.7330e-01],  
 [8.1410e+00, 3.4521e-03, 5.9965e-01],  
 [1.3499e+00, 4.4034e-04, 1.0750e-01],  
 [1.6363e+00, 4.3631e-04, 1.8451e-01],  
 [2.4171e+01, 3.7163e-02, 7.0187e-01],  
 [5.9168e+00, 2.0142e-03, 2.6533e-01],  
 [5.2332e-03, 9.2431e-09, 8.1438e-04],  
 [3.5391e+00, 3.1147e-03, 2.0968e-01],  
 [1.4986e+02, 4.0026e+00, 3.5261e+00],  
 [3.7799e+00, 1.3310e-02, 4.2997e-01],  
 [7.3665e+00, 1.3784e-02, 3.6477e-01],  
 [5.7334e+01, 2.2692e-01, 2.3530e+00],  
 [8.9565e+01, 8.1467e-01, 2.4977e+00],  
 [2.5662e+00, 7.6250e-04, 1.7122e-01],  
 [3.6451e+01, 2.4585e-02, 9.5035e-01],  
 [5.3474e-02, 4.3103e-06, 7.6003e-03],  
 [9.5038e+01, 5.2350e-01, 1.8725e+00],  
 [1.1618e+00, 2.3170e-04, 1.0967e-01],  
 [2.8148e+01, 1.7235e-02, 2.2644e+00],  
 [7.1990e+00, 1.1183e-02, 4.4510e-01],  
 [5.5546e+01, 9.4829e-01, 2.0149e+00],  
 [4.4359e-01, 6.0881e-05, 4.3090e-02],  
 [8.5365e+01, 1.3599e+00, 2.6125e+00],  
 [2.6202e+01, 1.3223e-01, 1.1561e+00],  
 [4.2909e+00, 1.1965e-02, 3.1747e-01],  
 [4.9894e+00, 1.6161e-03, 2.3574e-01],  
 [1.2611e+02, 9.7737e-01, 2.6605e+00],  
 [2.9130e+02, 6.7636e+00, 4.2224e+00],  
 [5.8768e-02, 1.0806e-06, 8.4899e-03],  
 [2.8370e-01, 1.2748e-05, 3.1881e-02],

[2.4772e+01, 1.0083e-01, 2.1936e+00],  
 [2.1872e-01, 4.3634e-05, 2.8834e-02],  
 [3.6565e-02, 4.0407e-07, 5.0721e-03],  
 [5.4421e+01, 4.7924e-02, 1.1483e+00],  
 [2.2523e+01, 8.7358e-02, 1.0316e+00],  
 [7.2515e+01, 4.2416e-01, 1.7820e+00],  
 [8.5208e-02, 3.2432e-07, 1.1686e-02],  
 [1.8071e+02, 5.1647e+00, 3.8538e+00],  
 [5.6431e+00, 3.1744e-04, 2.3647e-01],  
 [4.2867e+01, 1.5285e-01, 1.1762e+00],  
 [1.2704e+02, 2.1306e+00, 3.3992e+00],  
 [3.4878e-01, 1.6541e-05, 4.3042e-02],  
 [3.7861e+01, 2.7004e-01, 2.0334e+00],  
 [2.2726e-01, 3.1664e-05, 2.4201e-02],  
 [9.4238e+00, 1.7901e-02, 6.7179e-01],  
 [3.0373e-02, 7.9239e-07, 4.3952e-03],  
 [1.7613e+02, 4.2187e+00, 4.4944e+00],  
 [4.3816e+00, 1.6167e-03, 4.1187e-01],  
 [2.4292e-01, 1.6614e-05, 2.5714e-02],  
 [5.3483e-01, 3.0821e-04, 6.4113e-02],  
 [9.5733e+00, 7.3554e-03, 7.6834e-01],  
 [2.1155e+02, 4.3167e-01, 4.0679e+00],  
 [5.1722e-01, 1.5612e-04, 7.0440e-02],  
 [4.1518e+01, 6.4798e-02, 1.9129e+00],  
 [5.0116e+00, 5.9459e-03, 3.1153e-01],  
 [2.6528e+01, 2.3583e-01, 1.6298e+00],  
 [4.6877e-02, 1.5311e-06, 6.9038e-03],  
 [8.5740e-01, 8.9057e-04, 1.0944e-01],  
 [4.6374e-01, 1.7919e-04, 5.8517e-02],  
 [7.8078e-02, 1.1575e-06, 1.0504e-02],  
 [7.0315e+01, 8.5430e-01, 1.6013e+00],  
 [3.7234e-02, 1.2742e-06, 5.0170e-03],  
 [3.7019e+01, 1.1816e-01, 1.3113e+00],  
 [2.8839e-01, 3.2259e-05, 3.3195e-02],  
 [4.9107e-01, 5.2227e-05, 4.9968e-02],  
 [1.9102e+01, 8.4936e-02, 7.1446e-01],  
 [9.7115e+00, 7.8578e-03, 5.2308e-01],  
 [6.4545e-01, 7.8990e-04, 8.9174e-02],  
 [3.2085e+00, 1.5345e-03, 1.9163e-01],  
 [2.5928e+01, 3.2284e-01, 1.8792e+00],  
 [2.3367e+02, 8.9603e+00, 4.5951e+00],  
 [1.9778e+01, 6.8813e-02, 6.6114e-01],  
 [5.2381e+01, 6.9940e-01, 2.1652e+00],  
 [3.3458e+00, 1.5399e-03, 2.3965e-01],  
 [4.9618e-02, 1.7810e-07, 6.9739e-03],  
 [6.6449e+00, 1.3019e-02, 4.5644e-01],  
 [2.1385e+01, 4.0515e-02, 9.0260e-01],  
 [2.8769e+00, 1.8546e-03, 1.9201e-01],



[1.4186e+00, 9.3888e-05, 1.1770e-01],  
[3.3169e+01, 2.0031e-01, 1.7055e+00],  
[5.8652e-01, 1.0369e-04, 5.4792e-02],  
[3.7273e-01, 5.8764e-05, 3.5326e-02],  
[1.7564e+01, 6.6861e-02, 7.1687e-01],  
[1.5374e+02, 3.7248e+00, 3.6683e+00],  
[8.2119e+01, 1.9260e+00, 3.4540e+00],  
[2.0835e+00, 2.7882e-03, 1.8169e-01],  
[2.7965e-01, 1.8001e-05, 3.1548e-02],  
[8.3038e-02, 1.0296e-05, 1.2001e-02],  
[1.6270e-03, 3.7731e-09, 2.6029e-04],  
[1.4368e-02, 3.0127e-08, 2.2606e-03],  
[2.1323e+01, 5.1752e-02, 6.5473e-01],  
[5.5758e+01, 8.6062e-02, 2.7409e+00],  
[4.4703e+01, 3.9260e-01, 1.3852e+00],  
[2.0149e+02, 5.9109e-01, 4.1386e+00],  
[3.4717e+01, 1.6785e-01, 2.0115e+00],  
[1.9623e+02, 9.5052e-01, 3.3493e+00],  
[6.8418e-02, 3.2920e-06, 9.2368e-03],  
[6.3713e+01, 3.1528e-01, 1.3280e+00],  
[2.4237e+01, 1.3102e-01, 1.2695e+00],  
[8.4246e-02, 5.9227e-06, 1.1044e-02],  
[7.9051e-03, 1.1663e-08, 1.2210e-03],  
[7.4193e-02, 6.8939e-06, 1.0093e-02],  
[6.2344e+01, 4.7061e-01, 1.5455e+00],  
[3.6001e+01, 1.9497e-01, 2.1502e+00],  
[7.5768e+00, 2.2929e-02, 4.8096e-01],  
[1.1141e+02, 4.3944e+00, 3.7601e+00],  
[8.2309e-01, 4.3221e-05, 6.5321e-02],  
[2.7411e-01, 5.2220e-06, 3.4768e-02],  
[8.0751e-02, 5.8387e-06, 1.0625e-02],  
[8.5112e+01, 9.3371e-01, 2.1682e+00],  
[1.5706e+01, 4.2894e-02, 6.0252e-01],  
[6.6470e-03, 1.1349e-08, 1.0411e-03],  
[5.9906e-01, 3.9421e-05, 6.1479e-02],  
[4.3480e+01, 2.8312e-02, 2.9515e+00],  
[8.9933e+01, 1.0738e+00, 2.5666e+00],  
[2.2942e+01, 1.1734e-01, 9.5003e-01],  
[1.3352e+01, 6.5810e-02, 5.7959e-01],  
[6.0254e+00, 9.0851e-03, 3.1684e-01],  
[1.0803e+00, 3.6002e-04, 7.8572e-02],  
[5.0676e+00, 7.5463e-03, 3.3165e-01],  
[1.5031e+00, 3.1008e-04, 1.1750e-01],  
[1.5058e+02, 6.5033e-01, 3.5757e+00],  
[8.5524e+01, 4.6385e-01, 2.9691e+00],  
[2.3296e+01, 5.0740e-02, 1.6273e+00],  
[6.6678e+01, 2.3566e-01, 1.7470e+00],  
[2.0962e+01, 2.7993e-01, 1.6435e+00],

```

[8.4491e+01, 1.1954e+00, 3.6678e+00],
[1.1648e+01, 1.6365e-02, 5.8979e-01],
[2.0522e-01, 1.1229e-05, 1.9996e-02],
[8.2283e+00, 9.7787e-04, 4.0891e-01],
[1.0072e+02, 5.0369e-01, 2.3615e+00],
[4.0865e+00, 7.4063e-03, 3.6674e-01],
[3.9930e+01, 2.2595e-01, 1.7353e+00],
[2.5889e+00, 4.6367e-04, 1.6137e-01],
[4.7106e+01, 8.5352e-01, 1.6244e+00],
[2.2272e+01, 2.2449e-02, 1.4665e+00],
[2.6427e+00, 5.1911e-04, 2.1760e-01],
[3.1578e+00, 7.9281e-04, 1.7787e-01],
[1.7322e+02, 4.8154e+00, 4.5539e+00],
[5.6005e+01, 2.6061e-01, 2.0094e+00],
[4.9597e+01, 3.2299e-01, 1.7012e+00],
[3.0576e+00, 5.4977e-04, 1.6459e-01],
[9.3643e-01, 1.0729e-04, 7.5747e-02],
[1.7897e+00, 6.6907e-04, 1.3813e-01],
[4.0078e+01, 1.1064e-01, 1.1739e+00],
[7.2826e+01, 5.9882e-01, 2.7065e+00]], dtype=torch.float64)
Iteration: 163
Inputs: tensor([[6.6016e+20, 4.4912e+02, 4.0250e+00, 2.3919e+00],
[1.9759e+20, 9.1285e+01, 6.3002e+00, 5.6562e+00],
[1.5193e+19, 2.5369e+02, 9.7307e+00, 4.8267e+00],
...,
[1.3539e+19, 4.0407e+02, 7.4649e+00, 1.8858e+00],
[1.0629e+20, 3.0400e+02, 1.8136e+01, 7.1220e+00],
[7.3223e+18, 4.7814e+02, 8.1331e+00, 3.3854e+00]], dtype=torch.float64)
Target: tensor([[1.8740e+02, 5.7077e-01, 4.0806e+00],
[2.6062e+01, 9.7231e-02, 1.5237e+00],
[3.8059e+00, 2.1262e-03, 2.7054e-01],
[1.7733e+01, 4.2299e-02, 1.4046e+00],
[2.1321e+01, 5.9605e-02, 7.7168e-01],
[1.6385e+01, 9.6050e-02, 1.0448e+00],
[3.2170e+01, 2.5522e-01, 1.1039e+00],
[4.7295e-01, 4.1238e-06, 4.5452e-02],
[3.4477e+01, 1.2598e-01, 1.9919e+00],
[5.9126e-03, 4.4178e-08, 9.2335e-04],
[1.2491e+02, 2.1235e+00, 2.8998e+00],
[1.5198e+00, 3.9588e-05, 1.0433e-01],
[2.2834e+00, 5.6651e-04, 2.1422e-01],
[1.6919e+02, 1.6419e+00, 4.1780e+00],
[1.3777e+02, 1.3181e+00, 3.7547e+00],
[2.3650e+01, 6.0833e-02, 7.2697e-01],
[5.4806e+00, 6.0137e-03, 3.9675e-01],
[1.3251e+00, 7.4456e-04, 1.2034e-01],
[2.2487e-01, 4.3630e-06, 2.4505e-02],
[2.6258e+01, 5.8320e-02, 1.6709e+00],

```

[3.8384e+01, 2.4428e-01, 9.5616e-01],  
[8.2010e-03, 6.1566e-08, 1.2462e-03],  
[1.1201e+00, 2.0691e-04, 7.9327e-02],  
[1.4808e+00, 8.6765e-04, 1.0712e-01],  
[2.6667e+00, 4.6192e-03, 2.3279e-01],  
[1.2096e+02, 1.6555e+00, 4.1425e+00],  
[3.0863e+02, 2.0182e+00, 5.0303e+00],  
[9.9451e+01, 9.2945e-01, 3.4456e+00],  
[4.1658e+01, 1.0745e-02, 1.1767e+00],  
[1.9800e+01, 5.0055e-02, 1.1173e+00],  
[2.3223e+00, 3.5160e-03, 2.5472e-01],  
[1.4189e+01, 8.5751e-02, 6.6237e-01],  
[8.0022e-01, 2.2026e-04, 7.2324e-02],  
[4.9134e+00, 7.0388e-03, 3.2290e-01],  
[1.6042e-01, 1.0907e-05, 2.0353e-02],  
[2.4728e-01, 7.5879e-06, 3.1068e-02],  
[1.4323e+01, 6.1797e-02, 9.8746e-01],  
[1.5200e+02, 2.6888e+00, 4.0566e+00],  
[2.3757e-01, 3.0156e-05, 2.3656e-02],  
[1.2718e+02, 1.6933e+00, 3.8627e+00],  
[2.9161e+01, 5.6584e-02, 1.4639e+00],  
[3.7235e+01, 1.7240e-01, 1.2254e+00],  
[4.6305e+00, 2.2754e-03, 3.7032e-01],  
[4.9643e+01, 7.0520e-01, 2.0320e+00],  
[1.4289e+01, 5.6486e-02, 1.2827e+00],  
[1.3953e-01, 1.0890e-05, 1.5416e-02],  
[1.4354e+02, 3.1807e+00, 3.0078e+00],  
[5.3778e+01, 2.2391e-01, 1.8113e+00],  
[7.3624e+01, 8.6068e-01, 2.4401e+00],  
[3.7718e+00, 1.0178e-03, 1.7866e-01],  
[3.3917e-01, 1.7920e-05, 2.6977e-02],  
[1.3788e+01, 4.2831e-02, 7.5090e-01],  
[1.4695e+01, 2.4254e-02, 9.8023e-01],  
[4.6494e+01, 1.4009e-01, 2.3111e+00],  
[7.6403e+00, 2.5649e-02, 6.8461e-01],  
[2.9623e+01, 1.3258e-01, 1.0582e+00],  
[5.4273e+01, 2.6973e-01, 1.1048e+00],  
[3.8424e-01, 1.6024e-04, 5.0863e-02],  
[3.9681e+00, 7.4239e-04, 2.2545e-01],  
[6.1552e-01, 1.9427e-04, 7.7872e-02],  
[1.8132e-01, 1.0031e-05, 2.0712e-02],  
[1.5711e+02, 4.7212e+00, 4.2481e+00],  
[1.7598e+00, 3.8128e-04, 1.0150e-01],  
[2.5349e+01, 9.7376e-02, 7.7613e-01],  
[3.4156e-02, 7.1042e-08, 4.9104e-03],  
[1.5489e+01, 1.2275e-01, 1.4841e+00],  
[3.0380e+01, 8.2440e-03, 1.8422e+00],  
[8.3733e+00, 1.1070e-02, 6.9621e-01],

[9.8404e+00, 3.0373e-02, 6.4190e-01],  
[1.4305e+02, 2.1817e+00, 3.1733e+00],  
[2.9197e-01, 6.6815e-06, 3.3132e-02],  
[3.9731e+00, 4.2587e-03, 3.1553e-01],  
[5.1235e+00, 1.2220e-03, 4.1994e-01],  
[8.1268e+01, 3.7527e-01, 3.6956e+00],  
[8.9284e-02, 2.4519e-06, 1.1548e-02],  
[2.6527e+00, 2.9369e-03, 2.7767e-01],  
[2.6010e+02, 1.3292e+01, 5.0628e+00],  
[3.7352e-01, 4.0476e-05, 2.9765e-02],  
[2.0375e+01, 3.5433e-02, 9.6190e-01],  
[4.6114e-01, 5.9416e-06, 4.9044e-02],  
[1.1950e+01, 1.2495e-02, 9.6550e-01],  
[5.4225e-01, 1.0078e-05, 5.3792e-02],  
[5.3561e-02, 1.8392e-06, 7.1799e-03],  
[3.3065e-03, 2.6750e-09, 5.2113e-04],  
[7.5781e+01, 3.7903e-01, 3.6729e+00],  
[5.9010e-03, 6.5283e-09, 9.3490e-04],  
[1.5256e+01, 4.8290e-02, 1.2875e+00],  
[4.6066e+01, 1.5415e-01, 1.6573e+00],  
[2.2943e+01, 9.8051e-02, 9.2854e-01],  
[5.9419e+01, 7.6178e-02, 1.2779e+00],  
[7.9600e-01, 6.6592e-04, 9.9499e-02],  
[1.0908e+01, 2.9268e-03, 5.6686e-01],  
[9.0496e+01, 1.0726e-01, 2.9284e+00],  
[1.8390e+01, 1.9811e-02, 8.8034e-01],  
[1.2944e+02, 2.1810e+00, 3.4459e+00],  
[1.0078e+00, 1.8509e-05, 7.9305e-02],  
[5.8450e+01, 6.0936e-01, 2.0061e+00],  
[2.3588e+00, 1.3035e-03, 2.0101e-01],  
[5.9942e+01, 4.8140e-01, 2.2612e+00],  
[3.9969e+01, 1.3135e-01, 1.7636e+00],  
[1.0301e+01, 1.8961e-02, 4.3055e-01],  
[1.3341e+00, 6.1078e-04, 1.5140e-01],  
[8.8385e+01, 7.4799e-01, 2.0946e+00],  
[3.1806e+00, 1.4634e-03, 1.4752e-01],  
[1.0802e+00, 3.5358e-04, 1.1409e-01],  
[7.7736e-02, 6.9331e-06, 9.8893e-03],  
[8.2140e+01, 9.6101e-01, 2.8901e+00],  
[9.0330e-01, 4.6149e-04, 1.2591e-01],  
[1.4331e+00, 1.3770e-04, 1.2018e-01],  
[1.3064e+00, 1.0049e-04, 1.4151e-01],  
[6.1102e+01, 1.2521e+00, 1.9448e+00],  
[1.3024e+00, 4.0954e-04, 1.4835e-01],  
[3.4490e-01, 2.7782e-06, 3.2588e-02],  
[4.5368e+00, 6.1731e-03, 2.7052e-01],  
[2.4860e+01, 2.6420e-02, 8.5751e-01],  
[5.8555e+00, 5.8692e-03, 4.2232e-01],

[4.2283e+00, 2.2899e-03, 3.0803e-01],  
[2.8118e+01, 4.0945e-02, 1.7456e+00],  
[8.9928e-02, 2.9073e-06, 1.0718e-02],  
[7.2430e+01, 6.7219e-01, 1.6829e+00],  
[3.4389e+00, 2.8088e-04, 1.9417e-01],  
[7.6065e-01, 7.9495e-05, 9.1183e-02],  
[7.2964e+00, 5.5035e-03, 4.8257e-01],  
[6.9004e-01, 1.0741e-04, 7.2045e-02],  
[2.6325e-01, 2.7669e-05, 2.9160e-02],  
[3.2903e+01, 1.7302e-02, 8.6852e-01],  
[2.7234e+00, 8.1323e-04, 2.3109e-01],  
[4.1954e+00, 6.6389e-04, 2.0864e-01],  
[1.6022e+02, 3.1058e+00, 3.6655e+00],  
[3.8097e+01, 1.8490e-01, 1.2235e+00],  
[2.9854e+02, 9.1601e+00, 4.8569e+00],  
[4.8665e+00, 5.7716e-03, 3.1283e-01],  
[1.6871e+01, 2.7575e-02, 4.9645e-01],  
[3.3881e+01, 1.8451e-02, 1.2645e+00],  
[4.1683e-01, 4.4271e-05, 5.2282e-02],  
[4.5384e-01, 3.7591e-05, 3.2888e-02],  
[4.8532e-02, 2.1341e-06, 7.4975e-03],  
[6.4576e-02, 6.5402e-07, 8.9482e-03],  
[1.2396e+01, 7.3277e-04, 4.6560e-01],  
[3.6710e+01, 5.3832e-01, 1.5574e+00],  
[1.6918e+01, 1.5033e-02, 6.1612e-01],  
[5.7986e-01, 1.0320e-04, 6.7169e-02],  
[2.5655e+01, 2.1387e-01, 9.3052e-01],  
[6.6998e-01, 3.9589e-05, 5.2460e-02],  
[1.0362e+00, 5.1452e-05, 6.2488e-02],  
[4.3611e+01, 1.2249e-01, 2.0147e+00],  
[5.1500e+01, 5.7608e-01, 1.5055e+00],  
[5.0082e-01, 9.5137e-05, 6.2073e-02],  
[2.6965e+00, 8.5528e-04, 1.5983e-01],  
[8.8009e-01, 7.4213e-06, 7.3038e-02],  
[1.0276e-02, 9.0269e-08, 1.5773e-03],  
[2.5014e+00, 1.3436e-03, 1.6823e-01],  
[2.1216e-02, 3.7109e-07, 3.0791e-03],  
[2.3901e+01, 2.8792e-02, 9.4658e-01],  
[6.6186e+00, 1.7271e-02, 4.0359e-01],  
[1.8968e+00, 1.1145e-03, 1.5144e-01],  
[9.8535e+01, 3.9900e-01, 2.7332e+00],  
[2.2934e+01, 2.1457e-02, 6.7540e-01],  
[4.3522e+00, 2.0046e-03, 1.9979e-01],  
[5.3405e+01, 3.2330e-01, 1.4230e+00],  
[6.7171e-01, 5.4241e-05, 6.1992e-02],  
[1.3217e+01, 4.2925e-02, 6.6498e-01],  
[1.3957e+02, 1.9119e+00, 2.7252e+00],  
[3.6193e+01, 1.7906e-02, 9.4181e-01],

[3.6453e+01, 2.7511e-01, 1.1078e+00],  
 [5.9757e+01, 7.4116e-01, 2.9154e+00],  
 [4.1669e+01, 2.8177e-01, 1.6610e+00],  
 [1.5298e+00, 1.3376e-04, 1.2166e-01],  
 [1.0444e-02, 1.9516e-07, 1.5537e-03],  
 [1.0163e+02, 1.8712e+00, 2.8807e+00],  
 [3.6948e+01, 2.1660e-01, 1.0298e+00],  
 [2.6806e+00, 2.7347e-03, 2.1101e-01],  
 [1.8888e+01, 1.6978e-01, 1.4821e+00],  
 [5.6203e+01, 4.9264e-01, 1.5872e+00],  
 [2.4164e+01, 3.0986e-02, 9.8669e-01],  
 [6.8774e+01, 3.8594e-01, 3.5492e+00],  
 [1.6230e+00, 6.7585e-04, 1.1948e-01],  
 [1.2805e+00, 6.8487e-04, 1.0360e-01],  
 [1.3073e+01, 1.3514e-02, 1.0427e+00],  
 [8.3474e+00, 5.3601e-03, 4.1802e-01],  
 [1.3202e+02, 3.4784e+00, 2.7852e+00],  
 [7.1305e+00, 1.3238e-02, 4.2925e-01],  
 [9.3868e+00, 1.2358e-02, 3.8544e-01],  
 [7.9728e+01, 1.9178e+00, 2.2979e+00],  
 [1.4422e-01, 2.1372e-05, 1.6967e-02],  
 [3.1108e-02, 1.0612e-06, 4.5307e-03],  
 [7.5474e-01, 9.6475e-05, 6.3356e-02],  
 [8.2364e+01, 7.7552e-02, 1.8532e+00],  
 [1.3410e+00, 1.0639e-03, 1.8820e-01],  
 [4.7023e+00, 7.0537e-03, 2.4435e-01],  
 [2.8802e+01, 1.5063e-01, 1.5148e+00],  
 [4.6668e+00, 5.8801e-03, 2.6628e-01],  
 [9.6961e+01, 3.4205e-01, 3.4888e+00],  
 [1.4599e+00, 3.2270e-04, 1.8062e-01],  
 [6.2001e+01, 5.0868e-01, 1.3807e+00],  
 [1.0033e+01, 2.0218e-02, 4.3062e-01],  
 [7.6796e+01, 2.1080e+00, 3.4233e+00],  
 [1.4318e+01, 5.3684e-02, 6.1845e-01],  
 [6.6872e+00, 1.2627e-02, 4.3583e-01],  
 [5.4986e+00, 8.2231e-03, 4.9693e-01],  
 [2.3049e+00, 5.5657e-04, 1.2952e-01],  
 [5.1932e+00, 5.8555e-03, 4.2269e-01],  
 [9.2552e+00, 1.2033e-02, 5.0870e-01],  
 [6.4881e+01, 6.6253e-01, 1.3663e+00],  
 [6.3079e+01, 4.4125e-01, 1.3810e+00],  
 [3.1597e+01, 6.8468e-02, 1.5337e+00],  
 [8.7919e+00, 8.7240e-03, 5.9430e-01],  
 [1.6869e+01, 1.7791e-02, 6.3465e-01],  
 [3.5609e+01, 7.4040e-02, 2.3162e+00],  
 [6.5851e+00, 3.3623e-03, 3.2537e-01],  
 [6.0035e+00, 1.2850e-03, 4.2139e-01],  
 [2.0334e+01, 7.2998e-02, 8.3239e-01],

[1.9528e-01, 2.0641e-05, 2.0845e-02],  
[8.5955e+01, 2.1329e+00, 2.8458e+00],  
[2.0942e+01, 7.0658e-02, 7.8067e-01],  
[1.4237e+00, 8.6245e-04, 1.1142e-01],  
[9.7677e-02, 8.0880e-06, 1.1346e-02],  
[2.0422e+01, 8.8929e-02, 7.5530e-01],  
[2.7171e-01, 8.1466e-06, 3.3025e-02],  
[1.1869e-02, 1.4012e-07, 1.7517e-03],  
[1.5779e-01, 2.9377e-05, 1.9719e-02],  
[1.3152e+02, 3.1890e+00, 4.3942e+00],  
[2.7097e+01, 4.5947e-02, 2.1600e+00],  
[8.0008e+01, 2.9587e-01, 3.8189e+00],  
[2.7015e+01, 1.2137e-01, 1.0676e+00],  
[4.9581e+01, 1.2305e-01, 1.6790e+00],  
[2.1964e-01, 2.1637e-05, 2.3286e-02],  
[3.6860e+00, 1.8894e-03, 1.8686e-01],  
[1.0240e+02, 3.4446e+00, 3.3810e+00],  
[1.9577e+02, 4.4678e+00, 3.1170e+00],  
[2.4377e+01, 8.9323e-02, 6.8412e-01],  
[2.0812e-01, 1.3137e-05, 3.1963e-02],  
[1.5178e+01, 9.0602e-02, 9.8336e-01],  
[2.7045e-01, 1.2391e-05, 3.4081e-02],  
[4.8541e+00, 2.5821e-04, 2.3698e-01],  
[3.0991e-01, 7.4483e-05, 3.6865e-02],  
[7.3647e+01, 1.2310e-01, 2.8865e+00],  
[2.4219e+01, 3.0162e-01, 1.6116e+00],  
[1.0496e+01, 4.5361e-03, 4.9501e-01],  
[6.1423e+00, 2.3807e-02, 5.2577e-01],  
[4.3263e-01, 2.8990e-05, 3.6789e-02],  
[2.0071e+01, 1.4110e-01, 8.0150e-01],  
[4.5787e-03, 1.1978e-08, 7.3035e-04],  
[6.8610e-01, 2.0546e-05, 4.6770e-02],  
[6.0060e-01, 2.2978e-04, 6.7936e-02],  
[6.2735e-03, 2.6634e-08, 9.6731e-04],  
[2.8506e-01, 2.6748e-05, 3.5371e-02],  
[4.3559e-01, 1.4746e-04, 5.1174e-02],  
[1.8901e+00, 1.4821e-03, 1.6223e-01],  
[3.0364e+00, 1.4101e-03, 2.0809e-01],  
[5.2471e+01, 1.1867e-01, 1.8202e+00],  
[4.3259e+00, 2.2765e-03, 2.5758e-01],  
[2.6575e+01, 3.7421e-02, 1.1284e+00],  
[1.6421e+00, 8.5396e-04, 1.3033e-01],  
[2.1795e-03, 3.1340e-09, 3.4798e-04],  
[7.0617e-01, 2.4023e-05, 8.7488e-02],  
[9.3196e+01, 1.0222e+00, 2.8850e+00],  
[5.1998e+00, 5.7512e-04, 3.2646e-01],  
[8.1958e-01, 3.3397e-04, 8.1378e-02],  
[2.6138e+00, 1.2764e-03, 2.2956e-01],

[6.4687e+00, 7.3813e-03, 3.9221e-01],  
[6.3009e+00, 8.8934e-03, 3.3042e-01],  
[2.8503e+01, 6.1713e-02, 1.1704e+00],  
[1.4180e+00, 3.6301e-04, 1.7088e-01],  
[2.6238e+01, 7.0801e-02, 1.7441e+00],  
[1.3832e+01, 5.8399e-03, 7.2023e-01],  
[5.5373e+01, 1.0176e+00, 2.2079e+00],  
[6.7224e+00, 9.8263e-03, 5.4449e-01],  
[1.1957e+01, 1.2132e-02, 4.8388e-01],  
[3.1001e+00, 4.6730e-04, 2.2337e-01],  
[7.5168e-03, 1.4587e-08, 1.1493e-03],  
[6.7541e-03, 9.2103e-09, 1.0324e-03],  
[8.0475e-01, 1.0392e-04, 6.4523e-02],  
[3.0583e+01, 3.6010e-01, 1.2034e+00],  
[1.1664e-01, 1.9647e-06, 1.6504e-02],  
[9.7636e-01, 2.0538e-04, 1.1551e-01],  
[5.7905e+01, 1.6569e-01, 3.2924e+00],  
[2.1702e-02, 6.4123e-07, 3.3038e-03],  
[1.2237e+01, 3.6104e-03, 6.8959e-01],  
[3.0143e-01, 7.4064e-05, 3.3325e-02],  
[1.5913e-01, 2.7126e-06, 2.1053e-02],  
[8.8286e+01, 7.6266e-01, 2.2778e+00],  
[3.9131e-03, 2.5447e-09, 6.1984e-04],  
[7.3844e-01, 1.9206e-04, 7.2353e-02],  
[1.7379e+01, 3.8937e-02, 1.3620e+00],  
[4.1182e+01, 2.1157e-01, 1.2927e+00],  
[1.2748e+01, 3.0525e-02, 5.7766e-01],  
[3.6039e+01, 7.0686e-02, 1.6078e+00],  
[1.3479e+01, 2.0836e-02, 5.6343e-01],  
[1.5287e+02, 4.7599e+00, 3.7754e+00],  
[4.1766e+00, 3.8748e-03, 3.6596e-01],  
[5.1419e-01, 1.0162e-05, 6.4178e-02],  
[2.9121e-02, 8.7455e-07, 4.1115e-03],  
[4.3010e+01, 2.8035e-01, 1.3662e+00],  
[2.8423e+01, 2.4906e-01, 9.6371e-01],  
[1.2757e+02, 4.1955e-01, 2.8796e+00],  
[6.0068e+00, 1.3538e-02, 4.2391e-01],  
[3.9216e+01, 5.8032e-02, 1.9290e+00],  
[3.4490e+00, 3.5515e-03, 2.1960e-01],  
[3.5279e+00, 1.2651e-03, 3.5685e-01],  
[7.7479e+01, 1.4080e+00, 2.2143e+00],  
[1.2963e+02, 3.8462e+00, 3.3228e+00],  
[3.6445e+01, 9.7059e-02, 1.3409e+00],  
[3.7630e-01, 4.1444e-05, 3.6871e-02],  
[3.6416e+01, 3.1937e-01, 2.3288e+00],  
[1.3450e-01, 4.3220e-07, 1.7267e-02],  
[2.5817e+01, 2.5693e-02, 1.4706e+00],  
[7.5486e+00, 2.3417e-02, 4.9838e-01],



```

[4.4271e+00, 3.7774e-03, 2.0929e-01],
[9.4458e+00, 1.6399e-02, 7.6357e-01],
[4.3810e+01, 1.5008e-01, 1.3736e+00],
[2.5738e+01, 2.6319e-01, 1.9983e+00],
[1.9382e+00, 6.2560e-04, 1.7260e-01],
[1.1763e+02, 1.4937e+00, 2.4131e+00],
[2.1353e-03, 1.4903e-09, 3.4151e-04],
[1.8959e+01, 1.1845e-01, 1.7177e+00],
[2.7907e-01, 5.8652e-06, 3.0735e-02],
[3.1634e+00, 3.8007e-04, 2.3606e-01],
[3.1846e+01, 2.8836e-01, 1.3084e+00],
[2.6910e+00, 4.7273e-04, 1.7613e-01]], dtype=torch.float64)
Iteration: 164
Inputs: tensor([[2.4043e+18, 2.6512e+02, 3.9589e+00, 3.7279e+00],
[6.0186e+18, 1.9424e+02, 8.0545e+00, 8.8821e+00],
[1.7502e+18, 2.1403e+02, 3.2798e+00, 6.0468e+00],
...,
[1.6964e+20, 1.6780e+02, 7.5733e+00, 7.9769e+00],
[7.7863e+20, 1.4104e+02, 1.1284e+01, 7.9990e+00],
[2.1030e+18, 2.4272e+02, 1.9026e+01, 3.2703e+00]], dtype=torch.float64)
Target: tensor([[4.7669e-01, 1.6239e-05, 4.4275e-02],
[1.3226e+00, 6.0336e-04, 1.1111e-01],
[3.2348e-01, 1.5709e-05, 3.1150e-02],
[1.0091e+02, 1.2071e+00, 2.2351e+00],
[6.5895e+00, 5.1409e-03, 7.1220e-01],
[2.8232e-01, 8.0113e-06, 4.0984e-02],
[3.6602e-02, 4.1371e-07, 5.2287e-03],
[6.1094e+00, 1.9549e-03, 3.0396e-01],
[1.1511e+01, 1.8473e-03, 6.6093e-01],
[1.1353e+02, 9.2128e-01, 3.9279e+00],
[7.4112e-02, 4.1858e-06, 9.0159e-03],
[3.4106e+01, 3.1470e-02, 1.3439e+00],
[1.7518e+00, 3.2413e-04, 8.9322e-02],
[6.1397e+00, 4.2614e-02, 5.9161e-01],
[9.9308e+01, 1.2429e+00, 3.4509e+00],
[2.6751e-01, 6.4152e-06, 2.8081e-02],
[1.8479e+01, 3.8654e-02, 7.2709e-01],
[2.1036e+00, 8.5273e-04, 1.2714e-01],
[4.5302e+01, 1.6655e-01, 2.9310e+00],
[7.3948e+00, 5.7137e-03, 3.3191e-01],
[8.3695e-03, 1.3285e-08, 1.2750e-03],
[8.8061e-01, 1.9348e-04, 7.8444e-02],
[2.7089e+01, 1.7390e-01, 8.3764e-01],
[1.7646e+00, 6.5439e-04, 1.8314e-01],
[4.2456e-01, 6.9064e-05, 4.1469e-02],
[2.9633e+01, 8.4642e-02, 9.5363e-01],
[3.0984e+01, 4.2497e-01, 1.5388e+00],
[7.4082e+01, 1.1907e+00, 1.7981e+00],

```

[7.8387e+01, 1.1355e+00, 2.2955e+00],  
 [7.6331e-02, 3.4995e-06, 1.0698e-02],  
 [9.1240e-03, 2.2874e-08, 1.4395e-03],  
 [2.9476e-01, 2.4481e-05, 4.3799e-02],  
 [1.7766e+02, 1.8966e+00, 4.4602e+00],  
 [3.2389e+01, 5.9541e-02, 9.6096e-01],  
 [8.9792e-01, 8.9856e-05, 5.5683e-02],  
 [9.8663e-01, 2.0797e-04, 7.5903e-02],  
 [1.9438e+01, 5.3300e-02, 8.8823e-01],  
 [1.7848e+01, 6.5722e-03, 7.3616e-01],  
 [3.0292e-01, 1.1840e-06, 3.4448e-02],  
 [4.3431e-02, 6.8797e-07, 6.0586e-03],  
 [6.5642e+01, 7.6870e-01, 2.1121e+00],  
 [1.4837e-02, 9.4958e-08, 2.2337e-03],  
 [7.3829e+00, 1.5716e-02, 4.0638e-01],  
 [1.5052e+02, 1.3346e+00, 4.3675e+00],  
 [2.1126e-02, 5.5182e-07, 3.0545e-03],  
 [4.2099e+00, 4.8689e-03, 2.9664e-01],  
 [4.9203e+01, 3.9376e-01, 1.3012e+00],  
 [4.3276e+01, 3.0130e-01, 1.8129e+00],  
 [1.4549e-02, 4.3926e-08, 2.2171e-03],  
 [1.0441e+00, 4.7162e-04, 9.0876e-02],  
 [8.0355e+01, 6.5666e-01, 1.4869e+00],  
 [9.7878e-01, 6.4378e-04, 9.2578e-02],  
 [1.9886e+02, 3.0413e+00, 4.6604e+00],  
 [7.3771e+01, 3.4873e-01, 2.7212e+00],  
 [3.9285e-01, 1.3611e-06, 4.2081e-02],  
 [2.9477e+01, 7.7866e-02, 1.1771e+00],  
 [2.2285e+01, 2.6967e-03, 1.0019e+00],  
 [1.1547e+02, 1.5673e+00, 2.4504e+00],  
 [5.9141e+01, 1.0395e+00, 1.7613e+00],  
 [5.8849e-01, 1.8115e-04, 5.3452e-02],  
 [1.2531e+02, 1.5541e+00, 2.3134e+00],  
 [1.1972e+02, 1.6964e+00, 3.0953e+00],  
 [8.8186e+01, 1.4561e+00, 3.2750e+00],  
 [7.9320e-01, 1.3944e-04, 7.4770e-02],  
 [9.5661e-03, 2.4658e-08, 1.4619e-03],  
 [8.3327e+01, 2.1306e+00, 3.2050e+00],  
 [1.7505e+01, 1.0659e-01, 1.4795e+00],  
 [3.6820e+01, 1.2286e-01, 8.7313e-01],  
 [8.0282e-02, 1.3074e-06, 9.8584e-03],  
 [5.1902e+01, 4.2204e-01, 1.2337e+00],  
 [1.0396e+01, 2.7183e-03, 6.3231e-01],  
 [3.4556e+01, 2.3380e-01, 9.9840e-01],  
 [3.7363e-01, 1.9007e-05, 3.3781e-02],  
 [1.0482e+02, 3.0183e+00, 3.3818e+00],  
 [1.1098e+00, 4.3547e-04, 8.9621e-02],  
 [4.2731e-01, 1.0446e-04, 5.3513e-02],

[5.2955e+01, 3.6703e-01, 1.1595e+00],  
 [1.1525e+01, 4.8528e-03, 8.0974e-01],  
 [5.3681e-02, 1.2849e-06, 7.5459e-03],  
 [9.3038e+00, 7.9995e-03, 4.6445e-01],  
 [1.9736e+01, 4.3318e-02, 1.5722e+00],  
 [2.4828e+00, 1.2389e-03, 1.6194e-01],  
 [4.1293e+01, 5.6566e-02, 1.9161e+00],  
 [6.5113e+01, 9.9040e-01, 2.9031e+00],  
 [9.9261e+01, 1.4441e+00, 1.9520e+00],  
 [1.2799e+01, 1.1107e-02, 5.8166e-01],  
 [1.8503e+01, 3.1589e-02, 6.0799e-01],  
 [1.8062e+01, 2.8103e-03, 7.4668e-01],  
 [1.4384e-03, 5.6743e-10, 2.3170e-04],  
 [2.1543e+01, 3.9994e-02, 1.2924e+00],  
 [6.1828e+01, 5.0041e-01, 1.2894e+00],  
 [2.3644e+01, 6.0363e-02, 5.9068e-01],  
 [1.8368e+00, 8.5079e-05, 1.6376e-01],  
 [1.2655e+01, 2.1713e-02, 4.3815e-01],  
 [5.8663e+00, 7.9274e-03, 6.2021e-01],  
 [5.5661e+01, 7.0469e-01, 2.0605e+00],  
 [3.1004e+00, 2.8608e-03, 2.1973e-01],  
 [1.7039e+01, 7.7980e-02, 7.1370e-01],  
 [1.7567e+00, 2.1455e-04, 1.5193e-01],  
 [2.3455e-01, 1.5871e-05, 2.1637e-02],  
 [5.7084e+01, 3.6923e-01, 2.5200e+00],  
 [7.0347e-01, 1.3155e-04, 7.3135e-02],  
 [3.7458e-02, 7.5966e-07, 5.5430e-03],  
 [1.5880e+02, 4.5731e+00, 3.3396e+00],  
 [1.0792e+01, 3.4324e-02, 7.0997e-01],  
 [5.5253e+01, 1.0764e+00, 2.1051e+00],  
 [3.2440e-01, 2.7397e-05, 3.0824e-02],  
 [1.4126e+01, 5.8472e-02, 7.6443e-01],  
 [5.5027e+00, 2.9856e-03, 5.9485e-01],  
 [8.0548e+00, 4.0596e-03, 6.5083e-01],  
 [1.3886e+00, 5.5611e-04, 9.3833e-02],  
 [5.1513e+00, 6.0345e-03, 3.1881e-01],  
 [5.8710e+01, 9.0637e-02, 2.5237e+00],  
 [1.7555e+01, 5.5604e-02, 1.0521e+00],  
 [6.3277e+01, 1.8157e+00, 3.6452e+00],  
 [5.0079e+01, 4.7625e-01, 1.8785e+00],  
 [6.7196e+00, 5.3059e-03, 4.8067e-01],  
 [1.5681e+00, 8.9920e-04, 1.2890e-01],  
 [3.0068e+01, 1.2274e-01, 9.2768e-01],  
 [7.3358e+00, 2.3690e-02, 4.3432e-01],  
 [3.2595e+00, 1.0593e-03, 2.5103e-01],  
 [3.5245e+01, 2.1297e-01, 1.4037e+00],  
 [4.2020e+01, 2.7242e-01, 1.3353e+00],  
 [5.1212e+01, 2.2158e-01, 1.4256e+00],

[3.0972e+01, 7.4413e-02, 9.3571e-01],  
[2.8006e+00, 2.5912e-03, 2.1153e-01],  
[5.2697e+00, 2.1614e-03, 3.7161e-01],  
[6.0344e+01, 1.0478e+00, 2.5301e+00],  
[1.6493e+01, 2.7191e-03, 6.6805e-01],  
[1.0361e+02, 1.5405e+00, 2.0984e+00],  
[6.4651e+00, 2.1696e-02, 4.6669e-01],  
[6.1627e+01, 7.3730e-01, 1.5722e+00],  
[1.1880e+02, 8.0320e-01, 3.5310e+00],  
[2.0590e+00, 1.8070e-03, 1.6952e-01],  
[4.6395e+00, 1.4803e-03, 3.0162e-01],  
[3.3329e-01, 2.6884e-05, 2.7220e-02],  
[8.4617e+01, 7.3585e-01, 3.3048e+00],  
[3.0203e-01, 2.2995e-05, 4.3450e-02],  
[5.7061e+01, 6.6344e-01, 2.9694e+00],  
[1.8838e+01, 3.3793e-03, 7.7877e-01],  
[5.5282e+01, 2.0053e-01, 1.9528e+00],  
[4.0128e-03, 6.0681e-09, 6.2571e-04],  
[6.9073e-01, 4.3589e-04, 7.3910e-02],  
[2.5770e+02, 5.9494e+00, 5.1070e+00],  
[9.1773e+01, 5.4519e-01, 1.9930e+00],  
[9.7324e-02, 3.6130e-06, 1.3782e-02],  
[3.3099e+01, 2.4468e-01, 1.6445e+00],  
[1.1447e+02, 2.8484e+00, 3.3125e+00],  
[4.1015e+01, 2.6841e-01, 1.2736e+00],  
[1.4709e+02, 1.8816e+00, 3.7988e+00],  
[2.3403e+02, 3.3926e+00, 3.9803e+00],  
[7.1081e-01, 3.3690e-04, 7.0009e-02],  
[1.7989e+01, 8.2069e-02, 7.6567e-01],  
[1.3801e+02, 4.4955e+00, 3.8349e+00],  
[6.6797e+00, 1.9432e-02, 3.6995e-01],  
[2.9523e-01, 3.9891e-06, 3.0851e-02],  
[1.1714e+01, 2.0294e-02, 3.8936e-01],  
[1.0861e+02, 3.6976e+00, 2.7844e+00],  
[2.8684e+01, 1.5663e-01, 1.5247e+00],  
[3.2540e+01, 1.5716e-01, 9.7620e-01],  
[3.4374e-01, 6.0558e-06, 3.5792e-02],  
[1.1096e+01, 5.1465e-03, 4.6411e-01],  
[7.1055e-01, 2.2306e-04, 8.3767e-02],  
[3.6170e+00, 2.1600e-03, 2.7171e-01],  
[5.7248e-01, 2.2561e-04, 6.5919e-02],  
[2.8039e+01, 1.4375e-01, 9.2745e-01],  
[1.7420e+01, 8.8491e-02, 8.4635e-01],  
[2.0094e-01, 1.8450e-05, 2.3696e-02],  
[3.2271e+00, 7.4908e-03, 2.9818e-01],  
[2.5698e-02, 3.7252e-07, 3.8670e-03],  
[4.3429e+00, 3.8048e-03, 5.0143e-01],  
[2.0625e+01, 1.6412e-01, 9.7635e-01],

[3.4157e+01, 2.8847e-01, 1.8722e+00],  
 [8.3546e-01, 1.3094e-04, 8.2389e-02],  
 [6.5558e+01, 1.0903e+00, 2.5775e+00],  
 [8.2782e-02, 6.0692e-06, 1.0357e-02],  
 [6.0851e-01, 1.1971e-05, 5.4752e-02],  
 [6.6940e+01, 1.1768e+00, 1.6294e+00],  
 [3.7856e+01, 7.5248e-01, 2.5821e+00],  
 [9.4935e+01, 1.5215e+00, 3.8724e+00],  
 [2.6710e+02, 3.1501e+00, 5.1332e+00],  
 [7.6338e-02, 1.7206e-06, 1.0270e-02],  
 [1.5708e-01, 4.2881e-06, 2.4132e-02],  
 [1.0262e+01, 5.6675e-03, 8.7912e-01],  
 [3.3368e-01, 4.0160e-06, 3.6588e-02],  
 [1.7887e-03, 2.9465e-10, 2.9052e-04],  
 [3.9102e-02, 7.6214e-07, 5.2327e-03],  
 [1.1255e-02, 1.4010e-07, 1.7733e-03],  
 [1.8825e-01, 1.3460e-06, 2.1208e-02],  
 [5.1602e-01, 6.4859e-05, 7.5840e-02],  
 [1.0870e+00, 1.2818e-04, 6.1348e-02],  
 [1.4491e+00, 5.4409e-04, 1.2290e-01],  
 [6.3285e+01, 8.7279e-01, 1.5175e+00],  
 [3.5543e+01, 1.3326e-01, 8.2973e-01],  
 [4.5197e+01, 3.1258e-01, 1.5922e+00],  
 [4.8057e+01, 5.7642e-01, 1.4649e+00],  
 [1.6887e+01, 3.2670e-03, 7.9436e-01],  
 [1.5391e+02, 1.6362e+00, 3.7117e+00],  
 [5.7050e+01, 3.3842e-01, 1.2227e+00],  
 [4.5956e+01, 2.0013e-01, 1.0419e+00],  
 [4.9407e+01, 4.5549e-01, 2.2638e+00],  
 [1.5939e+01, 3.7021e-02, 5.4288e-01],  
 [3.0169e+00, 1.2983e-03, 2.2378e-01],  
 [2.4221e-03, 2.1005e-09, 3.8854e-04],  
 [1.3438e+02, 6.2355e-01, 3.3392e+00],  
 [7.2263e+00, 1.6616e-02, 4.4386e-01],  
 [1.2984e+02, 3.1586e+00, 3.8633e+00],  
 [3.4500e-01, 1.4130e-05, 3.9172e-02],  
 [1.9889e+01, 3.8008e-02, 8.3557e-01],  
 [5.3422e+00, 3.5373e-03, 2.7907e-01],  
 [7.2189e-01, 1.1899e-04, 7.6120e-02],  
 [1.3520e-01, 1.3564e-05, 1.7945e-02],  
 [1.2072e+02, 1.1245e+00, 2.3365e+00],  
 [3.6304e-01, 8.7005e-05, 4.2155e-02],  
 [1.4553e+01, 1.7093e-02, 1.1973e+00],  
 [2.0171e+01, 1.0389e-01, 6.9122e-01],  
 [3.0428e-01, 4.3902e-05, 3.4110e-02],  
 [1.2892e+01, 2.0684e-02, 5.8322e-01],  
 [1.9768e-01, 1.5103e-05, 2.2850e-02],  
 [1.3964e+01, 3.3621e-02, 6.7013e-01],

[1.4622e+01, 7.3452e-02, 5.8969e-01],  
 [1.6844e+01, 1.1119e-01, 1.0476e+00],  
 [2.5372e+00, 6.5457e-04, 1.4264e-01],  
 [6.3907e+00, 1.1824e-02, 3.4843e-01],  
 [4.4002e+01, 2.4114e-01, 2.1959e+00],  
 [1.7029e+02, 2.2726e+00, 2.9510e+00],  
 [4.2806e+00, 2.9337e-03, 2.5852e-01],  
 [1.3087e+01, 3.2210e-02, 6.7001e-01],  
 [2.9129e+00, 1.8832e-03, 2.8781e-01],  
 [9.7585e+01, 1.2502e-01, 2.0069e+00],  
 [7.9341e-01, 2.7971e-05, 4.9955e-02],  
 [1.2498e-01, 4.1873e-06, 1.7390e-02],  
 [5.3301e+00, 6.7879e-03, 3.0816e-01],  
 [1.0104e+00, 8.6466e-05, 1.1290e-01],  
 [1.6206e+01, 7.9913e-02, 1.2593e+00],  
 [1.1270e+01, 1.4101e-02, 1.1640e+00],  
 [1.8238e+01, 7.9712e-03, 9.2944e-01],  
 [1.3296e-01, 6.2052e-06, 1.7879e-02],  
 [2.4976e+01, 2.8612e-02, 8.5334e-01],  
 [2.7411e+00, 3.4861e-04, 1.6160e-01],  
 [1.2370e+02, 1.9317e+00, 2.5622e+00],  
 [3.9527e+00, 7.5991e-03, 3.5492e-01],  
 [8.5913e+01, 3.6588e-01, 3.5031e+00],  
 [2.1464e+01, 2.2059e-02, 1.7484e+00],  
 [3.7327e+01, 1.8040e-01, 1.5190e+00],  
 [2.4064e+00, 8.1502e-04, 1.7347e-01],  
 [1.5122e+02, 2.5628e+00, 3.7156e+00],  
 [3.4193e+00, 9.9293e-04, 2.1757e-01],  
 [4.4239e+01, 1.7091e-01, 2.1394e+00],  
 [3.1723e+01, 2.4788e-01, 1.1665e+00],  
 [1.0843e+02, 1.1647e+00, 3.1790e+00],  
 [1.3713e-01, 8.6976e-06, 1.5959e-02],  
 [2.5110e+00, 2.9762e-04, 1.1464e-01],  
 [4.2785e-01, 7.7957e-05, 4.1720e-02],  
 [4.3992e+01, 3.0849e-01, 1.8269e+00],  
 [1.4025e+02, 4.9539e+00, 3.7158e+00],  
 [1.1866e+01, 3.6857e-02, 8.1410e-01],  
 [3.1616e+00, 1.8810e-03, 3.1259e-01],  
 [2.5881e+01, 2.5307e-02, 8.1045e-01],  
 [1.7761e+02, 5.9627e-01, 3.7578e+00],  
 [8.0164e-02, 3.7616e-06, 9.8000e-03],  
 [2.2661e+01, 1.3886e-01, 9.8815e-01],  
 [2.5144e+00, 5.7487e-04, 1.5893e-01],  
 [1.8705e-01, 1.0440e-05, 1.8856e-02],  
 [8.9723e-03, 6.0068e-08, 1.4040e-03],  
 [3.7833e+01, 1.4278e-01, 1.3209e+00],  
 [6.9299e-02, 2.9395e-06, 8.5442e-03],  
 [5.7252e-04, 9.1007e-11, 9.3112e-05],

[3.4375e+00, 3.7343e-03, 1.9888e-01],  
[4.5123e-02, 1.3352e-06, 6.1443e-03],  
[1.1236e+01, 5.0943e-02, 8.5789e-01],  
[2.2960e-01, 1.0272e-05, 2.9982e-02],  
[1.1004e-01, 5.6042e-07, 1.6028e-02],  
[3.3728e+01, 8.3474e-02, 9.5402e-01],  
[8.4648e+00, 5.7757e-03, 2.7808e-01],  
[5.9374e+01, 1.7602e-01, 2.6195e+00],  
[1.1537e+00, 1.3134e-04, 1.3669e-01],  
[4.8573e-01, 3.1373e-05, 3.4476e-02],  
[3.4048e+00, 7.9753e-04, 1.6164e-01],  
[2.0082e+01, 4.9346e-03, 8.1630e-01],  
[5.1776e+01, 4.9586e-01, 1.8252e+00],  
[4.2112e+01, 4.8637e-01, 1.7094e+00],  
[5.0135e+01, 2.4191e-01, 1.8827e+00],  
[9.3490e+01, 7.1280e-01, 1.5454e+00],  
[8.6334e+00, 9.8054e-03, 3.7443e-01],  
[3.0396e-01, 7.0732e-05, 3.6422e-02],  
[1.1252e+02, 2.3810e+00, 3.6182e+00],  
[1.6336e+00, 1.6857e-03, 1.3523e-01],  
[4.8467e-03, 3.5104e-09, 7.4969e-04],  
[9.7103e-03, 3.1279e-08, 1.4625e-03],  
[7.9239e+01, 1.8810e-01, 1.7281e+00],  
[2.0044e+00, 7.5840e-04, 1.8883e-01],  
[3.6524e+00, 3.0485e-03, 2.3010e-01],  
[7.5251e-01, 1.5164e-04, 5.2428e-02],  
[4.6545e+00, 1.8123e-03, 5.8706e-01],  
[1.0460e+00, 1.2685e-04, 1.1373e-01],  
[1.6214e+00, 1.9410e-03, 1.7477e-01],  
[6.9483e-02, 2.8394e-07, 9.5086e-03],  
[1.8710e-01, 2.0056e-06, 2.4439e-02],  
[2.8129e-01, 3.9208e-05, 3.1128e-02],  
[7.8448e+01, 2.7968e-01, 2.2879e+00],  
[2.0875e+01, 7.1827e-02, 6.0496e-01],  
[3.0894e+01, 1.8224e-02, 1.1790e+00],  
[4.4975e+01, 1.0479e-01, 1.5515e+00],  
[4.6147e-02, 1.9252e-06, 6.4875e-03],  
[1.1339e+00, 2.0188e-04, 6.6488e-02],  
[1.1916e+02, 3.1189e+00, 2.6709e+00],  
[4.2188e+00, 2.1997e-03, 1.9398e-01],  
[2.2299e-01, 4.1721e-05, 3.0529e-02],  
[1.3286e-02, 8.8629e-08, 2.0293e-03],  
[1.4075e+02, 5.7133e+00, 4.1697e+00],  
[3.6534e+01, 1.9856e-01, 2.2506e+00],  
[8.8804e+00, 2.0956e-03, 3.9534e-01],  
[4.4264e+01, 4.5800e-01, 1.6973e+00],  
[1.1408e+01, 8.6685e-02, 8.0234e-01],  
[1.9021e-01, 1.4133e-05, 2.2892e-02],

```

[7.1076e+01, 5.8073e-01, 2.3135e+00],
[4.4740e+01, 3.7176e-01, 1.7377e+00],
[9.9369e+01, 2.1603e+00, 3.9275e+00],
[4.0856e-02, 6.7098e-07, 5.7726e-03]], dtype=torch.float64)
Iteration: 165
Inputs: tensor([[2.5988e+19, 3.4335e+02, 1.7953e+01, 7.3296e+00],
[6.0218e+19, 4.7752e+02, 1.0666e+01, 2.5707e+00],
[1.3199e+18, 1.8788e+02, 1.7725e+01, 7.8108e+00],
...,
[9.4323e+18, 3.7209e+02, 4.1443e+00, 8.2023e+00],
[2.9872e+18, 4.8212e+02, 3.6099e+00, 8.4645e+00],
[1.1170e+19, 2.8700e+02, 1.2862e+01, 6.1404e+00]], dtype=torch.float64)
Target: tensor([[9.1588e+00, 2.6609e-02, 4.9091e-01],
[2.2223e+01, 2.8091e-02, 9.3268e-01],
[4.5287e-02, 2.0262e-06, 6.0798e-03],
[1.9110e+00, 4.3727e-04, 1.5599e-01],
[1.1220e+00, 2.7454e-04, 8.7436e-02],
[2.7918e+01, 2.2118e-01, 1.0745e+00],
[9.2211e+00, 1.2492e-02, 4.4880e-01],
[5.8231e+01, 7.6086e-01, 2.0651e+00],
[2.8268e+01, 1.0897e-01, 1.4969e+00],
[6.5079e-01, 8.5089e-05, 5.2239e-02],
[2.2135e+01, 6.9151e-02, 1.4661e+00],
[6.7803e+01, 1.7492e-01, 2.5607e+00],
[1.0052e-01, 1.2962e-06, 1.3824e-02],
[5.1277e+01, 5.2789e-01, 1.8054e+00],
[5.3735e+00, 2.6014e-03, 3.8142e-01],
[1.8950e+00, 2.9770e-04, 1.5496e-01],
[3.4228e+00, 6.3214e-04, 3.2651e-01],
[7.1291e+01, 5.6998e-01, 1.9794e+00],
[3.3646e+00, 1.9141e-03, 2.4095e-01],
[1.4378e-01, 9.6973e-06, 1.6927e-02],
[5.5461e+00, 5.9297e-03, 2.7903e-01],
[1.0725e+02, 2.6401e+00, 4.1137e+00],
[7.2205e+01, 4.8319e-01, 1.4980e+00],
[3.4826e+00, 1.7963e-03, 4.1072e-01],
[4.2272e-01, 2.4134e-05, 4.8244e-02],
[6.0740e+00, 6.3859e-03, 2.8242e-01],
[1.5967e+01, 3.7646e-02, 7.6339e-01],
[5.0697e+01, 5.2249e-01, 1.3250e+00],
[8.8440e-02, 2.7763e-06, 1.3013e-02],
[4.5041e+00, 2.7194e-03, 2.3529e-01],
[3.4455e+00, 1.1048e-03, 3.7145e-01],
[1.0259e+02, 1.4080e+00, 4.2649e+00],
[8.4408e+00, 2.5706e-02, 5.8554e-01],
[1.0814e+00, 7.5873e-05, 9.0392e-02],
[1.1762e-01, 3.8131e-07, 1.4291e-02],
[2.0674e-02, 9.0959e-08, 3.0854e-03],

```



[3.8585e+01, 5.2091e-01, 1.4694e+00],  
[6.5115e+01, 5.1737e-01, 1.5904e+00],  
[3.1997e+00, 1.0887e-03, 2.0520e-01],  
[1.9693e-01, 2.7290e-05, 2.6871e-02],  
[1.7119e+00, 8.8819e-04, 1.2027e-01],  
[7.8594e+00, 1.8400e-02, 4.4483e-01],  
[4.6913e-02, 8.4512e-07, 6.2661e-03],  
[3.6691e+00, 2.1427e-03, 2.2522e-01],  
[1.9087e+00, 6.8117e-04, 1.2366e-01],  
[3.0637e+01, 1.5131e-01, 9.0988e-01],  
[5.5726e+00, 4.8254e-03, 4.8995e-01],  
[5.3219e+00, 5.5075e-03, 2.4404e-01],  
[1.6358e-02, 1.4010e-07, 2.4329e-03],  
[3.9773e+01, 3.4458e-01, 1.3948e+00],  
[7.8179e-02, 2.8333e-06, 1.0177e-02],  
[7.7754e+01, 1.8196e-01, 2.1164e+00],  
[1.1167e-01, 6.6761e-06, 1.2538e-02],  
[3.0549e+02, 1.4606e+00, 4.9406e+00],  
[1.6689e+02, 1.3403e+00, 4.7881e+00],  
[1.5439e+02, 5.6113e-01, 4.7674e+00],  
[4.1574e+00, 2.1186e-03, 3.5931e-01],  
[2.0661e+01, 1.1902e-01, 1.5466e+00],  
[9.6351e-02, 3.4123e-06, 1.3049e-02],  
[1.0374e+01, 1.1822e-02, 5.2220e-01],  
[1.1486e+02, 8.3078e-01, 2.8165e+00],  
[1.8443e+00, 2.0757e-05, 1.1730e-01],  
[3.1456e+00, 1.1158e-03, 1.6947e-01],  
[4.3065e-01, 9.9331e-05, 4.5638e-02],  
[1.8728e-01, 7.3532e-06, 2.6118e-02],  
[1.2839e+01, 1.2197e-02, 4.8112e-01],  
[8.7201e-02, 1.6663e-06, 1.2610e-02],  
[1.4880e+02, 6.4605e-01, 2.8240e+00],  
[5.8407e+01, 9.3228e-01, 1.7206e+00],  
[1.6878e+01, 1.0292e-01, 8.4265e-01],  
[3.9244e+01, 9.8638e-02, 1.2847e+00],  
[6.0167e+00, 1.7694e-03, 2.4497e-01],  
[7.0000e+01, 2.9699e-01, 1.6284e+00],  
[4.5322e+00, 1.0718e-02, 4.2143e-01],  
[2.2797e-03, 8.7881e-10, 3.6110e-04],  
[1.1588e+02, 4.4226e-01, 2.0489e+00],  
[9.6875e+01, 1.1965e+00, 2.1994e+00],  
[2.8093e+00, 7.0854e-04, 2.3013e-01],  
[3.1819e+00, 2.1997e-03, 2.1639e-01],  
[1.7836e+01, 4.8135e-02, 6.1552e-01],  
[1.1593e+01, 6.6742e-02, 1.0375e+00],  
[1.2063e+00, 1.6508e-03, 1.3227e-01],  
[4.5287e+01, 7.3181e-02, 1.6648e+00],  
[8.0980e-01, 9.3891e-05, 1.1575e-01],

[3.5987e-02, 5.0705e-07, 4.8224e-03],  
 [2.3795e+01, 1.0005e-01, 1.5411e+00],  
 [2.5777e+01, 1.2447e-01, 1.3764e+00],  
 [3.1503e+01, 1.7208e-01, 2.0996e+00],  
 [1.2879e+01, 5.8255e-02, 1.0949e+00],  
 [2.2567e+01, 9.8209e-02, 1.2554e+00],  
 [4.8143e+01, 4.8116e-01, 1.2557e+00],  
 [6.4044e+00, 1.1932e-03, 2.3242e-01],  
 [1.8257e+02, 9.4405e-01, 4.1098e+00],  
 [1.0842e+00, 3.3721e-04, 1.0149e-01],  
 [2.1653e-01, 1.2427e-05, 2.5026e-02],  
 [2.4114e+02, 8.7904e+00, 4.2451e+00],  
 [1.2479e+01, 3.1467e-02, 6.2835e-01],  
 [3.0053e+02, 5.6015e+00, 4.7424e+00],  
 [1.6885e-02, 2.9065e-08, 2.5743e-03],  
 [6.2155e+01, 5.1433e-01, 1.9752e+00],  
 [1.4661e+02, 2.3181e-01, 3.4903e+00],  
 [2.2179e+00, 1.1045e-03, 1.5431e-01],  
 [5.7811e+01, 6.7774e-01, 3.0736e+00],  
 [8.3903e-01, 2.9820e-05, 7.2235e-02],  
 [6.3739e-01, 1.6699e-04, 7.8081e-02],  
 [8.6199e-01, 5.4328e-04, 1.1144e-01],  
 [3.0153e+01, 1.2388e-02, 1.0062e+00],  
 [4.8375e+00, 1.9087e-03, 3.1531e-01],  
 [1.4613e-02, 5.4254e-08, 2.2860e-03],  
 [3.6841e+00, 2.0734e-03, 3.4606e-01],  
 [9.4134e+01, 5.8269e-01, 2.4621e+00],  
 [2.3761e-01, 1.7948e-05, 2.4888e-02],  
 [2.3517e-01, 1.3818e-05, 2.4561e-02],  
 [2.6829e+01, 9.8940e-02, 7.1790e-01],  
 [6.4067e+01, 6.0067e-02, 2.9121e+00],  
 [1.5848e-01, 1.1205e-05, 1.7004e-02],  
 [8.2091e+01, 8.7038e-01, 2.0474e+00],  
 [1.2064e+01, 9.0145e-02, 1.2214e+00],  
 [3.4004e-01, 5.3071e-05, 3.1970e-02],  
 [3.9772e+01, 1.6357e-01, 1.3624e+00],  
 [6.6484e-01, 1.7778e-05, 6.3047e-02],  
 [5.0770e-01, 1.9612e-05, 6.4460e-02],  
 [1.1559e+00, 3.5496e-04, 7.8125e-02],  
 [2.8557e-01, 2.9502e-05, 3.7671e-02],  
 [1.7375e+02, 5.6527e+00, 4.6127e+00],  
 [7.1390e-01, 6.9593e-05, 1.0138e-01],  
 [7.9626e-01, 1.0775e-04, 8.3293e-02],  
 [7.1835e+00, 9.6641e-03, 3.3995e-01],  
 [1.5553e+02, 2.2977e+00, 2.7011e+00],  
 [1.8320e-01, 1.3336e-05, 2.2972e-02],  
 [1.8402e-01, 8.7433e-06, 1.9638e-02],  
 [3.5878e+01, 1.6202e-01, 1.0144e+00],

[8.6120e+00, 2.0471e-02, 8.1483e-01],  
 [1.5891e+00, 6.8856e-04, 1.3600e-01],  
 [1.6667e-01, 2.0074e-05, 2.5525e-02],  
 [1.2077e+00, 3.7991e-04, 1.0124e-01],  
 [1.5637e-01, 1.7488e-05, 1.7716e-02],  
 [6.6100e-03, 5.9427e-08, 1.0174e-03],  
 [8.6006e+00, 2.2558e-02, 6.4976e-01],  
 [7.8750e+01, 3.1714e-01, 2.0161e+00],  
 [2.4159e+01, 1.1531e-02, 1.6175e+00],  
 [7.7259e-01, 3.1567e-04, 7.8307e-02],  
 [8.7336e+00, 3.9452e-04, 4.4873e-01],  
 [3.8943e+00, 1.0900e-03, 2.1141e-01],  
 [6.8380e+01, 3.5836e-01, 1.9000e+00],  
 [1.4466e+02, 1.6840e+00, 3.1735e+00],  
 [3.8824e+00, 6.0170e-03, 2.6080e-01],  
 [8.6778e-02, 3.2491e-06, 1.2550e-02],  
 [2.3269e+01, 1.9293e-01, 1.0435e+00],  
 [1.0276e+02, 7.4730e-01, 2.1854e+00],  
 [5.9933e-01, 8.0981e-05, 7.9613e-02],  
 [2.8432e-02, 4.0744e-08, 4.4237e-03],  
 [1.0892e+01, 1.6515e-03, 3.7618e-01],  
 [6.3392e+01, 5.4028e-01, 2.4946e+00],  
 [2.5260e+01, 3.4745e-02, 1.5011e+00],  
 [8.0618e+00, 1.5418e-02, 4.6386e-01],  
 [3.6434e+00, 1.8245e-03, 2.1709e-01],  
 [2.4101e+01, 3.4721e-01, 1.4652e+00],  
 [5.2217e-01, 8.5110e-05, 6.2633e-02],  
 [7.2840e+00, 5.5704e-03, 3.3572e-01],  
 [7.0262e+00, 7.3903e-03, 3.8054e-01],  
 [1.9794e+01, 2.9555e-03, 1.1884e+00],  
 [1.3831e+02, 3.3679e-01, 3.3373e+00],  
 [1.3172e+01, 5.2013e-02, 1.1614e+00],  
 [1.0526e+01, 1.6259e-02, 8.6209e-01],  
 [1.9666e-01, 5.6977e-06, 2.5889e-02],  
 [4.4818e+01, 1.3027e-01, 1.6967e+00],  
 [2.0587e-01, 5.4611e-06, 2.8772e-02],  
 [2.1993e+00, 8.5763e-04, 1.9466e-01],  
 [2.9956e+01, 1.1024e-01, 8.4624e-01],  
 [2.2741e+01, 3.5678e-02, 7.9702e-01],  
 [8.4196e+00, 2.0556e-03, 3.6354e-01],  
 [8.0539e+00, 1.0723e-02, 4.4754e-01],  
 [5.1663e+00, 3.1660e-03, 5.3181e-01],  
 [1.4877e+02, 1.1295e+00, 4.5933e+00],  
 [7.8866e-02, 3.1235e-06, 1.1546e-02],  
 [3.9213e+00, 5.3804e-03, 2.5975e-01],  
 [4.3917e+01, 1.5705e-01, 1.6008e+00],  
 [2.9661e-01, 3.0800e-05, 3.4766e-02],  
 [9.8555e-01, 1.8179e-04, 9.3601e-02],

[1.4464e+02, 1.2764e+00, 3.0299e+00],  
 [9.4972e-01, 2.8343e-05, 8.6918e-02],  
 [3.6369e+01, 7.2849e-02, 1.2864e+00],  
 [7.1169e+01, 1.6335e-01, 2.0009e+00],  
 [2.2025e+01, 1.0710e-01, 6.8790e-01],  
 [7.8892e+00, 1.9850e-03, 4.8610e-01],  
 [1.0863e+01, 3.1951e-02, 4.4332e-01],  
 [4.3890e+01, 4.1990e-01, 2.0398e+00],  
 [4.8566e+00, 8.4436e-03, 3.0594e-01],  
 [2.6350e-01, 5.5083e-05, 3.1599e-02],  
 [5.2299e-01, 6.1090e-05, 4.9451e-02],  
 [1.1974e+00, 3.3167e-04, 1.2161e-01],  
 [1.3007e+00, 1.9658e-04, 1.5104e-01],  
 [2.3342e-01, 3.5793e-05, 2.2296e-02],  
 [4.2001e+00, 2.4796e-03, 2.9083e-01],  
 [7.1188e+01, 7.1702e-01, 3.8235e+00],  
 [9.9176e-02, 5.4903e-06, 1.2768e-02],  
 [3.2935e-01, 6.9590e-05, 3.4118e-02],  
 [3.3952e-02, 3.7520e-07, 4.5979e-03],  
 [9.7218e+00, 2.4854e-02, 6.6112e-01],  
 [5.1137e+01, 2.4759e-01, 1.3910e+00],  
 [2.1118e+01, 1.4942e-01, 1.3594e+00],  
 [9.4075e-01, 3.2798e-04, 1.2672e-01],  
 [7.7447e+01, 4.5120e-01, 3.0603e+00],  
 [7.6399e+00, 6.9207e-03, 6.0749e-01],  
 [3.1211e+01, 2.9933e-01, 1.3861e+00],  
 [6.8128e-01, 2.0039e-04, 8.8182e-02],  
 [2.1485e+01, 8.6840e-02, 7.2584e-01],  
 [8.9528e+01, 7.2917e-01, 3.3788e+00],  
 [2.4779e+00, 3.5539e-04, 1.3004e-01],  
 [1.4142e+02, 7.1225e-01, 2.7427e+00],  
 [6.3108e-01, 8.1736e-05, 4.5663e-02],  
 [6.7722e+01, 1.2755e+00, 1.7832e+00],  
 [3.0332e+00, 6.4193e-04, 2.4244e-01],  
 [1.2564e+02, 3.2929e+00, 3.4878e+00],  
 [1.1832e+02, 2.8113e+00, 3.7185e+00],  
 [2.1664e-04, 9.7765e-12, 3.5587e-05],  
 [4.6814e-01, 3.0132e-05, 3.2399e-02],  
 [1.8279e+00, 7.8808e-04, 1.1231e-01],  
 [3.1871e+02, 7.4724e+00, 4.8588e+00],  
 [1.7879e-01, 4.7225e-06, 1.8325e-02],  
 [9.8241e+00, 3.2953e-02, 5.1213e-01],  
 [1.2493e-01, 2.3568e-06, 1.8643e-02],  
 [1.4771e+01, 3.8748e-02, 6.3744e-01],  
 [1.1659e-01, 1.0100e-05, 1.4135e-02],  
 [7.9743e-02, 2.2083e-06, 1.0712e-02],  
 [6.6206e-03, 6.4800e-09, 1.0548e-03],  
 [4.0104e-01, 1.3933e-05, 3.0579e-02],

[2.2021e+01, 5.2756e-02, 6.5483e-01],  
 [7.9019e-01, 5.1093e-04, 1.0096e-01],  
 [1.3315e+02, 2.3876e-01, 4.5898e+00],  
 [2.3017e+01, 3.6239e-02, 9.2557e-01],  
 [8.8280e-01, 1.5808e-04, 6.9132e-02],  
 [9.7577e+01, 3.6135e-01, 2.9844e+00],  
 [2.8692e-01, 3.6987e-05, 3.2557e-02],  
 [1.2711e+02, 6.8490e-01, 4.5478e+00],  
 [3.9058e+00, 3.4690e-03, 2.4872e-01],  
 [3.7778e+00, 4.8647e-03, 2.9373e-01],  
 [7.5031e+01, 6.7400e-01, 1.7279e+00],  
 [3.3405e+01, 2.6205e-01, 1.2336e+00],  
 [1.1438e+02, 5.8666e-01, 2.5603e+00],  
 [1.0563e-01, 8.2435e-06, 1.2760e-02],  
 [2.2229e+01, 4.6992e-02, 1.5333e+00],  
 [3.5383e+00, 5.2028e-04, 1.8410e-01],  
 [1.4735e+02, 1.7619e+00, 2.6486e+00],  
 [2.0390e+02, 4.0594e+00, 4.1010e+00],  
 [3.1398e+00, 1.1501e-03, 2.0197e-01],  
 [4.4463e+00, 9.3013e-03, 2.9331e-01],  
 [5.1382e+00, 3.3498e-03, 2.8860e-01],  
 [2.0247e+01, 8.7607e-02, 1.8412e+00],  
 [1.8013e+01, 3.7385e-02, 1.3393e+00],  
 [3.3074e+01, 1.8642e-02, 2.0336e+00],  
 [4.9217e-02, 7.7778e-07, 6.5447e-03],  
 [9.8084e+01, 5.2635e-01, 2.7454e+00],  
 [2.9892e+01, 1.7817e-01, 1.0609e+00],  
 [5.1643e-02, 2.3767e-06, 7.2607e-03],  
 [3.3678e+00, 2.6611e-03, 2.3342e-01],  
 [2.6948e+01, 1.5318e-01, 9.8404e-01],  
 [4.6257e+01, 4.4791e-01, 1.4059e+00],  
 [5.0551e+00, 3.5721e-03, 2.3239e-01],  
 [6.1636e+01, 1.7969e-01, 1.4220e+00],  
 [8.7628e+01, 1.3289e-01, 3.4533e+00],  
 [1.3917e+02, 4.0068e+00, 3.5453e+00],  
 [1.1261e+01, 1.3244e-02, 3.4308e-01],  
 [8.1459e+00, 7.4735e-03, 4.1338e-01],  
 [4.4798e-02, 2.5541e-07, 6.2063e-03],  
 [2.1234e+00, 1.0467e-03, 1.5582e-01],  
 [1.3793e-01, 1.6183e-05, 1.7150e-02],  
 [1.7350e+01, 2.9856e-02, 7.7709e-01],  
 [1.3076e+02, 9.2029e-01, 3.7671e+00],  
 [1.7733e+01, 2.5786e-02, 1.5034e+00],  
 [1.3000e+02, 2.1644e+00, 2.8192e+00],  
 [3.0353e+01, 1.1529e-01, 1.0219e+00],  
 [7.4690e+01, 1.3908e+00, 2.5305e+00],  
 [1.1546e+01, 2.2973e-02, 8.5588e-01],  
 [1.3840e+02, 9.6850e-01, 2.4464e+00],

```

[4.4445e+00, 3.4975e-03, 2.0303e-01],
[2.1943e-02, 2.1192e-07, 3.1295e-03],
[1.6909e+01, 7.8756e-02, 7.8873e-01],
[6.0205e+01, 3.5052e-01, 1.8571e+00],
[9.9903e+01, 7.0580e-01, 2.2022e+00],
[4.2572e+00, 1.7549e-03, 4.1630e-01],
[1.8526e-01, 8.6981e-06, 2.8045e-02],
[6.4282e+01, 5.8641e-02, 1.8283e+00],
[4.2556e+01, 9.4618e-02, 1.4723e+00],
[9.3025e-02, 3.4632e-06, 1.2804e-02],
[7.0648e+00, 4.3064e-03, 3.3953e-01],
[2.2178e+01, 7.5693e-02, 8.8910e-01],
[2.6997e-03, 2.8069e-09, 4.2611e-04],
[8.9304e-01, 2.0475e-04, 8.5325e-02],
[1.2814e+00, 7.7666e-05, 1.3873e-01],
[2.9436e-02, 1.5719e-06, 4.3181e-03],
[6.2638e-01, 1.6256e-04, 5.0617e-02],
[2.4358e-01, 5.0539e-06, 3.2823e-02],
[2.2046e+01, 5.1939e-02, 6.1744e-01],
[1.1248e+00, 2.0124e-04, 7.2956e-02],
[6.3136e+00, 5.3566e-03, 3.3182e-01],
[6.2234e-01, 3.5527e-05, 6.4956e-02],
[2.3250e+00, 2.0793e-03, 1.9586e-01],
[1.1755e-03, 1.3362e-09, 1.8892e-04],
[4.3703e+00, 7.7588e-03, 4.0736e-01],
[1.3390e+00, 2.9609e-04, 9.0007e-02],
[1.2872e+02, 2.4118e+00, 3.3461e+00],
[8.5728e-02, 5.4242e-06, 1.1436e-02],
[8.3299e+01, 3.5812e-01, 2.0897e+00],
[1.2117e+01, 1.2297e-02, 4.1308e-01],
[1.1020e-01, 2.1167e-06, 1.3941e-02],
[4.1786e+01, 1.7347e-01, 1.4314e+00],
[2.9471e+01, 1.1040e-01, 9.4355e-01],
[4.7993e-01, 5.9589e-06, 6.2963e-02],
[4.8478e+01, 5.4110e-01, 1.5557e+00],
[1.3079e+00, 1.7499e-04, 1.4535e-01],
[4.1468e-01, 5.9180e-05, 4.9167e-02],
[3.3827e+00, 1.5422e-03, 2.1956e-01],
[9.2999e-01, 3.6372e-04, 7.9092e-02],
[1.3900e+01, 5.5522e-02, 1.1806e+00],
[3.8092e+01, 5.0459e-01, 1.3554e+00],
[6.4300e+00, 4.9909e-03, 2.7773e-01],
[2.1039e+00, 5.4966e-04, 1.0623e-01],
[2.8412e+00, 1.9485e-03, 2.0959e-01]], dtype=torch.float64)

```

Iteration: 166

```

Inputs: tensor([[4.6816e+20, 1.3707e+02, 1.3173e+01, 1.5838e+00],
               [3.9742e+19, 4.9112e+02, 3.0716e+00, 7.3157e+00],
               [4.4213e+18, 4.7092e+02, 8.9526e+00, 1.9751e+00],

```

```

...,
[3.4118e+19, 3.9869e+02, 8.4823e+00, 2.8768e+00],
[1.9955e+18, 1.0842e+02, 1.9992e+01, 1.8142e+00],
[2.6567e+19, 3.3029e+02, 1.0197e+01, 2.1204e+00]], dtype=torch.float64)
Target: tensor([[1.3600e+01, 1.6103e-02, 1.2867e+00],
[3.7581e+01, 1.2178e-01, 8.3971e-01],
[6.6144e-01, 2.5927e-05, 6.4712e-02],
[1.5755e-01, 4.4892e-06, 2.0847e-02],
[1.6454e+00, 6.9636e-04, 1.1843e-01],
[8.9485e+01, 4.3966e-01, 1.7328e+00],
[1.2693e+00, 1.8050e-04, 1.2592e-01],
[8.0473e+01, 1.9506e-01, 2.9082e+00],
[3.2757e+01, 1.1262e-01, 1.1555e+00],
[9.0876e+01, 1.2276e+00, 1.7902e+00],
[1.1507e+00, 9.1590e-05, 8.4447e-02],
[2.8948e+01, 1.0310e-01, 8.3826e-01],
[9.9875e-01, 2.0714e-04, 7.1767e-02],
[2.9014e-02, 6.2016e-07, 4.1365e-03],
[3.0614e+00, 1.9984e-04, 1.5840e-01],
[7.7691e+01, 8.8867e-01, 3.4239e+00],
[1.4709e+00, 4.1406e-04, 1.0228e-01],
[1.6614e+02, 2.8783e+00, 2.9979e+00],
[1.3306e+02, 2.9654e+00, 3.2566e+00],
[1.6509e+01, 4.5197e-02, 9.7603e-01],
[1.2872e-02, 7.8945e-09, 1.9007e-03],
[2.3305e+00, 1.8052e-04, 1.3847e-01],
[1.2132e+00, 1.4567e-03, 1.3348e-01],
[3.0707e+01, 2.3335e-02, 1.0278e+00],
[3.9645e-01, 3.6985e-05, 4.2403e-02],
[1.9463e+02, 5.7989e+00, 3.7111e+00],
[9.1356e+00, 1.4096e-02, 4.8910e-01],
[3.0738e+01, 3.3341e-01, 1.8903e+00],
[1.1441e-01, 7.3215e-06, 1.3431e-02],
[1.1352e+01, 3.1552e-02, 9.1731e-01],
[7.5531e-02, 4.2980e-06, 9.5896e-03],
[3.4383e+01, 2.1717e-01, 1.0085e+00],
[2.2257e+00, 7.3029e-04, 1.8265e-01],
[6.3920e+00, 3.8682e-03, 2.4282e-01],
[2.5590e-02, 2.9820e-07, 3.8715e-03],
[1.2312e+02, 1.6026e+00, 4.1316e+00],
[9.3047e+00, 2.1381e-02, 5.6319e-01],
[6.6690e+01, 2.6937e-01, 1.6482e+00],
[4.0445e+00, 2.1205e-03, 4.6736e-01],
[6.5807e-01, 1.5837e-04, 7.2883e-02],
[2.6743e+01, 1.7049e-01, 8.2667e-01],
[9.5225e-02, 7.0644e-07, 1.1737e-02],
[1.7375e+00, 5.5209e-04, 1.1101e-01],
[4.0750e-02, 1.0773e-06, 5.9462e-03],

```

[4.3099e+00, 4.6707e-03, 3.5709e-01],  
[2.0775e-01, 4.8453e-06, 2.2907e-02],  
[3.1797e+00, 2.4331e-03, 2.2521e-01],  
[1.6574e+02, 1.2841e+00, 3.4124e+00],  
[5.5999e+00, 1.0899e-03, 5.7107e-01],  
[6.0952e+00, 1.0147e-02, 3.9939e-01],  
[3.5252e-01, 4.9829e-05, 3.7676e-02],  
[3.2439e+01, 2.7093e-01, 1.1564e+00],  
[2.0113e+01, 3.4281e-02, 5.1047e-01],  
[5.0716e+00, 1.2037e-02, 3.3189e-01],  
[8.4457e-01, 2.2547e-04, 8.7755e-02],  
[5.8801e+01, 2.7269e-01, 1.4703e+00],  
[8.6362e+01, 1.0629e+00, 2.4108e+00],  
[5.1617e-01, 1.3235e-04, 4.4573e-02],  
[5.0206e-03, 4.9026e-09, 8.0132e-04],  
[1.5443e+01, 8.9916e-02, 6.8272e-01],  
[6.5361e+01, 7.2352e-01, 3.0658e+00],  
[7.2717e+00, 6.9472e-03, 3.4032e-01],  
[1.3151e+02, 1.9065e+00, 3.4140e+00],  
[2.3385e+01, 4.3912e-02, 1.0131e+00],  
[3.4438e-01, 1.3816e-05, 3.2185e-02],  
[5.0625e+01, 3.9665e-01, 1.8422e+00],  
[6.3059e-02, 3.6178e-06, 9.1777e-03],  
[2.3792e+01, 8.8937e-02, 1.9698e+00],  
[1.7085e+01, 3.8543e-02, 9.9140e-01],  
[2.8101e+00, 1.1299e-03, 1.7181e-01],  
[5.8543e-03, 2.2263e-08, 9.3130e-04],  
[1.0647e-01, 5.3782e-06, 1.2251e-02],  
[1.1582e+01, 2.1307e-02, 4.5660e-01],  
[5.7181e+01, 5.5477e-01, 2.4813e+00],  
[8.5319e+01, 8.8566e-01, 2.5941e+00],  
[1.0289e+00, 3.0267e-04, 7.9999e-02],  
[3.8130e-01, 3.3738e-05, 5.2563e-02],  
[9.6774e+01, 1.5575e+00, 3.9590e+00],  
[1.5290e-02, 2.4540e-07, 2.2234e-03],  
[2.5531e-01, 1.0536e-05, 2.5363e-02],  
[6.9356e+01, 1.3007e+00, 3.7427e+00],  
[4.8984e-01, 2.7409e-05, 5.3638e-02],  
[3.0219e-02, 1.5376e-07, 4.6614e-03],  
[1.0818e-01, 1.8848e-06, 1.2638e-02],  
[3.0975e+01, 1.7999e-01, 1.2119e+00],  
[7.1773e-01, 3.1947e-04, 7.3092e-02],  
[1.4934e+01, 7.9673e-02, 6.2068e-01],  
[1.0624e+00, 6.2433e-04, 1.0655e-01],  
[1.4683e+01, 1.5113e-02, 9.0776e-01],  
[1.0074e+01, 2.0318e-02, 9.1640e-01],  
[1.6521e-01, 6.8838e-06, 2.1466e-02],  
[1.2258e+01, 1.4928e-03, 4.3848e-01],



[1.6600e+01, 9.7899e-02, 1.0311e+00],  
[4.6153e+01, 8.0524e-02, 2.6853e+00],  
[1.1762e+01, 3.2396e-02, 1.1706e+00],  
[7.5610e+00, 1.3261e-02, 6.4842e-01],  
[2.4809e+00, 4.3944e-04, 1.6927e-01],  
[9.8838e+00, 1.2979e-02, 8.8396e-01],  
[5.6451e+01, 6.9157e-01, 1.6579e+00],  
[3.5240e-01, 5.1950e-06, 3.3550e-02],  
[8.5281e+00, 3.1409e-03, 7.5888e-01],  
[1.4074e+02, 5.9832e+00, 3.7038e+00],  
[6.8510e+00, 7.3356e-03, 6.4086e-01],  
[9.5585e+01, 1.0221e-01, 3.1349e+00],  
[9.4180e+00, 1.2274e-02, 6.3728e-01],  
[1.5751e+00, 3.5390e-04, 1.2748e-01],  
[1.1312e-01, 9.3072e-06, 1.3364e-02],  
[5.9411e+00, 1.5073e-02, 3.9181e-01],  
[3.8315e-02, 1.0189e-07, 5.5538e-03],  
[1.1429e+01, 5.5564e-03, 6.2274e-01],  
[2.1378e+01, 5.2821e-02, 1.6318e+00],  
[3.9898e-01, 4.0612e-05, 3.4837e-02],  
[4.1716e+01, 1.8269e-02, 1.0641e+00],  
[7.8208e-02, 9.8399e-07, 1.1645e-02],  
[7.2805e+00, 3.5526e-03, 4.6712e-01],  
[8.8854e+00, 2.8943e-02, 6.6490e-01],  
[1.7186e+02, 2.8008e+00, 3.1214e+00],  
[1.9351e+01, 4.8837e-02, 6.2587e-01],  
[5.8048e+01, 4.9642e-01, 1.7658e+00],  
[7.4962e-01, 2.5905e-04, 8.4338e-02],  
[7.3962e-01, 9.1581e-06, 6.0191e-02],  
[5.3893e-03, 1.4506e-08, 8.5789e-04],  
[3.9711e+01, 7.8625e-02, 2.5881e+00],  
[1.1578e+01, 1.1425e-01, 1.0834e+00],  
[8.5782e-02, 7.6040e-06, 1.1003e-02],  
[7.7096e-01, 8.6747e-05, 6.5264e-02],  
[1.0436e-01, 8.4143e-06, 1.3383e-02],  
[1.6357e+00, 5.6382e-04, 1.8035e-01],  
[2.9142e+01, 3.3145e-02, 1.7953e+00],  
[9.5521e+01, 9.0123e-02, 1.9791e+00],  
[3.2722e-02, 5.7243e-08, 4.6021e-03],  
[1.2423e+00, 3.7616e-04, 1.2993e-01],  
[5.3853e+00, 1.4140e-03, 3.7351e-01],  
[3.0167e+00, 2.6323e-03, 1.8923e-01],  
[2.3153e+02, 5.5242e+00, 4.9510e+00],  
[1.1761e+01, 4.4388e-02, 5.7338e-01],  
[7.2770e+00, 1.8109e-02, 3.8453e-01],  
[1.2550e+01, 6.0996e-02, 1.1717e+00],  
[8.1317e+01, 1.3141e+00, 1.8452e+00],  
[9.5213e+01, 7.1141e-01, 1.8263e+00],

[1.2154e-01, 5.1350e-06, 1.5023e-02],  
 [3.0466e+01, 2.7612e-01, 1.1237e+00],  
 [2.2475e+01, 1.4779e-01, 9.3109e-01],  
 [6.6180e+00, 7.4714e-03, 6.2193e-01],  
 [1.7033e+00, 6.5676e-05, 1.1856e-01],  
 [6.9803e+00, 1.1086e-02, 5.5102e-01],  
 [6.6477e+01, 9.3903e-01, 3.5064e+00],  
 [3.8743e-02, 9.7761e-07, 5.2652e-03],  
 [3.8957e+01, 5.9337e-03, 1.0994e+00],  
 [2.1563e+02, 1.3370e+01, 4.9514e+00],  
 [2.4902e+02, 1.2530e+01, 4.7686e+00],  
 [4.6308e+01, 8.8448e-02, 1.7349e+00],  
 [5.4066e-01, 6.5304e-05, 6.0130e-02],  
 [3.7199e+01, 3.5609e-02, 1.1956e+00],  
 [1.5964e+01, 6.1191e-02, 7.4429e-01],  
 [7.4896e+00, 3.2065e-02, 6.4702e-01],  
 [2.7399e-02, 6.7278e-07, 3.9803e-03],  
 [2.3387e+01, 2.0534e-01, 1.1355e+00],  
 [2.9849e+01, 2.9549e-01, 1.0344e+00],  
 [1.0827e+02, 1.3147e-01, 4.3989e+00],  
 [2.9976e+00, 1.4779e-03, 2.4091e-01],  
 [2.5565e+01, 7.2975e-02, 9.9038e-01],  
 [8.0452e-01, 1.9836e-04, 6.0527e-02],  
 [3.5310e+01, 7.2803e-02, 2.3733e+00],  
 [6.0652e-03, 1.0286e-08, 9.4311e-04],  
 [8.0356e-02, 6.1496e-06, 1.2179e-02],  
 [2.9302e+01, 1.1377e-01, 1.0538e+00],  
 [2.5513e+01, 2.5427e-02, 1.1795e+00],  
 [1.4490e+00, 4.8271e-04, 9.8633e-02],  
 [7.2158e+01, 2.0641e-01, 1.7836e+00],  
 [7.4435e+01, 1.1234e+00, 2.4704e+00],  
 [7.6886e+00, 5.6278e-03, 3.3187e-01],  
 [7.2890e-01, 1.1654e-04, 9.5111e-02],  
 [5.5074e-01, 7.0256e-05, 5.9580e-02],  
 [1.1110e+01, 4.6922e-02, 1.0433e+00],  
 [1.8273e-01, 7.0608e-06, 2.1030e-02],  
 [2.5400e+02, 6.1232e+00, 4.1587e+00],  
 [5.3715e+01, 2.4382e-01, 1.4283e+00],  
 [1.0091e+02, 4.7043e-01, 3.6295e+00],  
 [1.4656e+00, 7.4935e-04, 9.8013e-02],  
 [2.5436e-01, 2.2320e-05, 2.5744e-02],  
 [6.6919e-02, 1.5870e-06, 8.6551e-03],  
 [5.5406e+01, 1.7021e-01, 2.0900e+00],  
 [4.5058e-01, 1.6329e-05, 4.4174e-02],  
 [4.6002e-01, 1.5019e-04, 5.1397e-02],  
 [9.3356e+00, 2.8201e-02, 7.1122e-01],  
 [2.5895e+01, 1.3012e-01, 1.0758e+00],  
 [2.0372e+01, 9.3421e-02, 1.0047e+00],

[1.9884e+00, 1.4555e-04, 1.2933e-01],  
[5.6314e+01, 1.8776e-01, 1.8211e+00],  
[6.8569e+01, 5.9494e-01, 1.5253e+00],  
[1.0989e-03, 3.0848e-10, 1.7666e-04],  
[1.4800e+00, 4.6103e-04, 1.1800e-01],  
[2.5000e-01, 4.5681e-05, 2.9651e-02],  
[2.0646e+01, 5.5523e-03, 6.6028e-01],  
[6.8194e-01, 4.9601e-05, 9.1318e-02],  
[2.3745e-01, 1.8676e-05, 2.5853e-02],  
[9.5141e+00, 1.8091e-02, 6.8465e-01],  
[1.0216e+02, 3.5572e+00, 4.0791e+00],  
[1.5123e+00, 7.8365e-04, 1.6326e-01],  
[3.2603e-01, 1.2602e-05, 2.6532e-02],  
[1.1227e-01, 1.8801e-06, 1.3359e-02],  
[1.8343e-02, 1.2239e-07, 2.7970e-03],  
[5.8708e+01, 2.4696e-01, 2.3337e+00],  
[7.6270e+01, 5.1578e-01, 1.9823e+00],  
[2.9887e-01, 5.6727e-05, 3.5810e-02],  
[1.6793e+02, 1.0946e+00, 4.2699e+00],  
[4.0088e+00, 9.5184e-03, 3.4260e-01],  
[1.7544e+00, 1.1359e-03, 1.2142e-01],  
[8.4400e-01, 1.7127e-04, 9.0674e-02],  
[4.7143e+00, 6.4360e-03, 2.8321e-01],  
[2.3909e+01, 6.2330e-02, 6.6240e-01],  
[3.2396e+00, 2.9824e-03, 2.4053e-01],  
[4.0187e+00, 4.2665e-03, 2.7521e-01],  
[8.5775e+01, 8.0183e-01, 3.3024e+00],  
[6.2391e+00, 1.3014e-02, 4.0997e-01],  
[5.0789e-01, 4.4122e-05, 6.8088e-02],  
[1.1706e+01, 1.0828e-02, 6.7198e-01],  
[7.9684e+01, 5.2999e-01, 2.0632e+00],  
[7.1543e-01, 1.6136e-05, 5.7071e-02],  
[1.4757e+02, 1.5380e+00, 3.6660e+00],  
[1.8730e+00, 2.2906e-04, 9.9854e-02],  
[2.3706e-01, 5.5759e-06, 2.6829e-02],  
[2.9770e+01, 1.2451e-01, 1.3531e+00],  
[5.3179e+01, 4.3297e-01, 2.6026e+00],  
[5.8832e+01, 4.8603e-02, 1.6737e+00],  
[1.1855e+00, 1.1695e-04, 6.9046e-02],  
[1.1627e+02, 1.0555e+00, 3.2461e+00],  
[2.0117e-01, 1.1965e-05, 2.4733e-02],  
[7.7035e+01, 4.7887e-01, 2.6820e+00],  
[1.4487e+02, 1.5460e+00, 3.2581e+00],  
[1.2960e+00, 2.6542e-04, 1.1861e-01],  
[2.2158e+00, 7.1424e-03, 2.6973e-01],  
[8.6168e-01, 3.3422e-04, 6.5993e-02],  
[1.5712e+02, 1.2152e-01, 4.0595e+00],  
[2.6385e+01, 1.1452e-01, 1.0130e+00],

[5.5099e+00, 8.6608e-04, 4.3433e-01],  
 [8.8456e+00, 5.1346e-03, 2.9976e-01],  
 [2.8418e+01, 1.4738e-01, 9.4549e-01],  
 [2.5716e+01, 1.0943e-01, 9.6790e-01],  
 [4.8425e-01, 4.6391e-05, 6.0714e-02],  
 [1.6377e+01, 5.7408e-02, 1.3626e+00],  
 [3.0886e+01, 9.2429e-02, 9.1562e-01],  
 [1.5120e+02, 6.1408e-01, 3.2714e+00],  
 [3.2048e+00, 1.3786e-03, 1.5711e-01],  
 [1.2630e+02, 1.8532e+00, 4.1798e+00],  
 [2.5722e+00, 4.9067e-04, 1.5419e-01],  
 [3.3753e-04, 2.3773e-11, 5.5379e-05],  
 [2.9008e-01, 7.7343e-05, 3.8553e-02],  
 [5.4587e+01, 2.3747e-01, 2.4789e+00],  
 [2.0158e+02, 3.0948e+00, 4.1584e+00],  
 [4.5239e+01, 2.7012e-01, 1.0669e+00],  
 [5.4848e-02, 1.0988e-06, 7.2360e-03],  
 [8.7578e+00, 4.5302e-03, 8.4582e-01],  
 [3.5477e+00, 1.5754e-03, 3.5183e-01],  
 [1.6431e+00, 8.5569e-04, 1.1476e-01],  
 [1.0595e+00, 4.9628e-04, 9.4467e-02],  
 [2.9184e+01, 2.4685e-02, 1.5637e+00],  
 [3.8648e+00, 1.1008e-03, 2.3186e-01],  
 [1.8303e+02, 5.2616e+00, 4.0310e+00],  
 [1.8519e+01, 5.9461e-02, 7.8836e-01],  
 [1.5053e+01, 7.3961e-02, 7.1452e-01],  
 [8.3500e+01, 2.3503e+00, 2.3575e+00],  
 [1.3032e+00, 1.3975e-03, 1.4721e-01],  
 [7.6693e+00, 4.2382e-03, 6.2326e-01],  
 [6.8997e+01, 5.9362e-01, 1.7249e+00],  
 [8.5408e+01, 6.5278e-01, 2.9844e+00],  
 [3.2501e-03, 3.7335e-09, 5.0902e-04],  
 [1.7535e+00, 5.9645e-04, 2.0258e-01],  
 [2.6745e+01, 5.3263e-01, 2.0839e+00],  
 [1.2054e+02, 8.1026e-01, 3.9030e+00],  
 [1.6294e+02, 1.6892e+00, 3.2166e+00],  
 [2.5917e+01, 1.2019e-02, 8.8272e-01],  
 [5.4738e+01, 6.6428e-01, 1.8004e+00],  
 [3.4922e-01, 2.0136e-05, 4.4384e-02],  
 [1.7279e+00, 8.7594e-04, 2.1235e-01],  
 [3.3616e+00, 6.3401e-04, 1.7696e-01],  
 [7.0073e+01, 1.1837e+00, 2.9858e+00],  
 [1.5074e+01, 8.2423e-02, 8.4921e-01],  
 [1.8563e+01, 4.5069e-02, 6.4713e-01],  
 [4.0209e+01, 1.1725e-01, 2.8839e+00],  
 [2.4306e+02, 6.9776e+00, 4.0810e+00],  
 [8.2987e+00, 1.3338e-03, 3.1092e-01],  
 [1.0328e+01, 1.9109e-02, 4.0670e-01],

```

[1.0704e+00, 4.2334e-04, 1.3686e-01],
[1.1332e-01, 1.0918e-05, 1.4352e-02],
[1.6986e-02, 1.2861e-07, 2.4873e-03],
[2.2452e-01, 7.7886e-06, 2.7423e-02],
[3.1033e-01, 7.4205e-05, 3.6626e-02],
[2.5384e-02, 1.8581e-07, 3.7436e-03],
[4.5909e+01, 3.7566e-01, 1.8554e+00],
[4.5907e+01, 1.0645e-01, 2.0477e+00],
[4.6959e-02, 8.1931e-07, 6.2048e-03],
[2.1023e+01, 2.4276e-01, 1.2587e+00],
[1.5686e+01, 2.3619e-02, 1.2261e+00],
[7.6611e+00, 1.3621e-02, 5.2659e-01],
[3.1958e-02, 3.0955e-07, 4.4126e-03],
[1.0841e-02, 5.9456e-08, 1.6452e-03],
[2.8699e+00, 1.3097e-03, 1.6753e-01],
[1.8145e+01, 2.6464e-02, 6.8751e-01],
[7.7202e+00, 1.2424e-02, 3.8585e-01],
[2.0251e+01, 7.6997e-02, 1.8933e+00],
[2.1785e+01, 8.2699e-02, 6.9327e-01],
[5.5734e-02, 1.7999e-06, 7.2099e-03],
[2.0243e+00, 6.7141e-04, 1.4811e-01],
[3.6475e-03, 1.6029e-08, 5.8638e-04],
[3.0686e-01, 8.7646e-05, 3.6699e-02],
[5.3998e+00, 1.7096e-03, 4.2781e-01],
[1.0469e+02, 8.5056e-01, 3.2673e+00],
[6.8346e+00, 2.4163e-02, 5.4951e-01],
[2.6678e+00, 1.0199e-03, 1.7058e-01],
[5.2483e-01, 8.6879e-05, 5.5591e-02],
[5.0047e+01, 1.2047e+00, 3.1997e+00],
[3.6500e+00, 3.3749e-03, 2.1477e-01],
[1.0424e-01, 5.0146e-06, 1.3672e-02],
[9.3241e+01, 1.8291e+00, 3.1179e+00],
[5.7003e+00, 2.4873e-03, 2.3036e-01],
[1.2848e+01, 8.9184e-03, 6.1969e-01],
[2.4903e-03, 1.8689e-09, 3.9874e-04],
[4.9754e+00, 1.5939e-03, 3.6993e-01]], dtype=torch.float64)
Iteration: 167
Inputs: tensor([[9.5300e+18, 1.3966e+02, 2.9949e+00, 6.6572e+00],
               [4.4573e+19, 3.8059e+02, 5.8134e+00, 1.5032e+00],
               [8.9957e+19, 4.6318e+02, 7.9065e+00, 6.9902e+00],
               ...,
               [8.8801e+18, 1.7665e+02, 1.1237e+01, 7.3917e+00],
               [5.4398e+19, 3.5691e+02, 1.8053e+01, 4.7509e+00],
               [8.9310e+20, 5.7119e+01, 1.4010e+01, 4.8781e+00]]), dtype=torch.float64)
Target: tensor([[2.3190e+00, 7.5281e-04, 1.7802e-01],
               [1.3702e+01, 3.8609e-03, 7.0453e-01],
               [5.5646e+01, 3.9126e-01, 1.3500e+00],
               [2.1108e+01, 9.2278e-02, 1.0944e+00],

```

[4.7388e-01, 3.4286e-05, 4.0859e-02],  
 [3.7950e+01, 7.6178e-02, 2.3265e+00],  
 [4.4117e+00, 1.4220e-03, 2.7052e-01],  
 [8.1546e+01, 1.1522e+00, 1.8626e+00],  
 [1.5215e+00, 9.3425e-04, 1.1641e-01],  
 [1.7332e+00, 1.4451e-03, 1.8004e-01],  
 [6.9884e-02, 2.3916e-06, 8.9885e-03],  
 [2.3192e+01, 6.8835e-02, 8.8737e-01],  
 [1.1329e+01, 1.5500e-02, 5.5534e-01],  
 [1.5237e+01, 3.1346e-02, 4.9805e-01],  
 [8.6306e+01, 1.0894e+00, 2.8726e+00],  
 [4.8746e+01, 1.8924e-01, 1.9182e+00],  
 [5.9142e-02, 1.7066e-06, 7.4292e-03],  
 [1.1766e+01, 2.4558e-02, 9.3791e-01],  
 [1.3257e+02, 5.7044e+00, 4.3936e+00],  
 [2.4151e+01, 1.2103e-01, 8.9665e-01],  
 [4.6023e+01, 7.2018e-01, 1.8002e+00],  
 [1.4126e+02, 5.4039e-01, 2.5789e+00],  
 [1.2384e+02, 1.9666e+00, 2.2435e+00],  
 [6.9064e+01, 5.9378e-02, 3.1162e+00],  
 [3.8093e+01, 6.4047e-02, 2.2262e+00],  
 [4.4993e+00, 7.4343e-04, 2.4757e-01],  
 [2.7842e+00, 5.3703e-04, 2.2497e-01],  
 [1.1049e+01, 5.1670e-03, 3.7693e-01],  
 [6.5200e+00, 8.0206e-03, 3.0672e-01],  
 [5.8024e+00, 1.9347e-04, 3.2624e-01],  
 [6.5118e+01, 1.2908e+00, 2.7220e+00],  
 [1.2267e+00, 2.2433e-04, 8.3190e-02],  
 [1.6651e+00, 3.0092e-04, 2.3277e-01],  
 [4.3291e+01, 4.6569e-02, 1.8392e+00],  
 [4.5051e-02, 5.9718e-07, 5.9571e-03],  
 [5.0572e+00, 4.1728e-03, 4.2826e-01],  
 [1.2645e+02, 1.0075e+00, 2.5759e+00],  
 [5.6013e-03, 2.4906e-08, 8.6153e-04],  
 [6.7508e-02, 3.3744e-06, 9.1454e-03],  
 [1.3994e+00, 2.5540e-04, 1.0455e-01],  
 [6.4439e+00, 1.5933e-02, 6.2060e-01],  
 [3.3690e-03, 1.4047e-09, 5.2785e-04],  
 [1.6945e-01, 8.1735e-06, 2.2500e-02],  
 [4.1684e-01, 2.0465e-05, 3.1713e-02],  
 [6.2067e+00, 3.1687e-03, 6.3421e-01],  
 [6.6815e+00, 3.0269e-03, 4.2271e-01],  
 [1.0137e+01, 3.1445e-03, 4.6941e-01],  
 [2.4366e+02, 1.0489e+01, 4.7097e+00],  
 [1.6636e+00, 2.1048e-04, 1.8000e-01],  
 [8.8364e-01, 1.6021e-04, 7.6877e-02],  
 [2.4628e+01, 1.4817e-01, 1.3392e+00],  
 [2.1093e+01, 3.3622e-02, 8.3721e-01],

[1.4833e+01, 1.4711e-02, 4.9935e-01],  
 [1.1371e+01, 9.6563e-03, 7.1467e-01],  
 [8.0670e-01, 1.0404e-04, 5.2362e-02],  
 [2.4554e-02, 2.7447e-07, 3.7976e-03],  
 [6.1529e+01, 9.4656e-01, 1.6063e+00],  
 [6.1111e+01, 9.7109e-01, 3.1231e+00],  
 [2.9729e-02, 7.7147e-08, 4.2331e-03],  
 [3.1365e+01, 1.7071e-01, 1.0032e+00],  
 [6.3233e+01, 4.0248e-01, 1.6614e+00],  
 [5.5786e+01, 4.4293e-01, 1.8319e+00],  
 [1.3481e+01, 8.0280e-02, 9.7919e-01],  
 [1.3352e+02, 1.6849e+00, 4.5170e+00],  
 [1.6142e+02, 3.7952e+00, 3.9088e+00],  
 [1.6413e+01, 1.0290e-01, 9.8859e-01],  
 [1.7032e+01, 4.7562e-02, 1.1120e+00],  
 [3.2421e+00, 6.8115e-04, 1.4293e-01],  
 [4.7781e-02, 1.8039e-07, 6.4052e-03],  
 [7.7868e+01, 6.3315e-01, 1.5327e+00],  
 [6.2944e+00, 3.5847e-03, 2.7738e-01],  
 [1.2884e+01, 1.0662e-02, 6.9511e-01],  
 [2.8110e+02, 7.0251e+00, 4.3545e+00],  
 [1.1800e+01, 1.4854e-01, 1.2170e+00],  
 [9.3521e+00, 6.8643e-02, 7.8796e-01],  
 [2.8175e+01, 3.7805e-02, 1.3123e+00],  
 [2.9323e+00, 1.8392e-03, 3.6121e-01],  
 [1.0443e+02, 1.0016e+00, 2.5896e+00],  
 [6.8625e+01, 9.8684e-01, 2.3501e+00],  
 [7.6894e+00, 2.5848e-03, 4.7902e-01],  
 [9.6991e-02, 1.7155e-06, 1.2126e-02],  
 [6.4220e+00, 5.9700e-03, 6.9558e-01],  
 [1.1126e+01, 9.9445e-03, 5.4831e-01],  
 [6.3715e-01, 4.8482e-05, 4.3880e-02],  
 [1.6885e+00, 2.0635e-03, 2.2400e-01],  
 [5.1484e-01, 3.2786e-04, 6.4005e-02],  
 [3.0259e+01, 2.7900e-02, 1.0931e+00],  
 [6.6392e+00, 4.4650e-03, 5.1033e-01],  
 [6.0629e-02, 7.7428e-07, 8.1504e-03],  
 [8.5267e+00, 1.0961e-02, 6.4100e-01],  
 [9.0450e+00, 2.2331e-02, 4.7612e-01],  
 [2.2335e+01, 2.8285e-02, 8.5550e-01],  
 [5.9428e-01, 2.0651e-04, 8.0648e-02],  
 [6.7521e-01, 1.5298e-04, 6.4024e-02],  
 [2.5669e+01, 1.2176e-01, 1.7998e+00],  
 [2.2819e+01, 1.6413e-02, 1.1273e+00],  
 [1.1669e+00, 1.8166e-03, 1.5363e-01],  
 [1.9754e+00, 1.1061e-03, 1.6972e-01],  
 [7.1984e+01, 7.2673e-01, 2.0741e+00],  
 [1.0506e+02, 2.4933e+00, 2.3947e+00],

[5.3276e-01, 6.6233e-05, 4.9973e-02],  
[1.7117e+01, 1.1457e-01, 9.3446e-01],  
[4.3819e-01, 6.5933e-05, 5.5592e-02],  
[1.5535e+02, 2.6347e+00, 3.3697e+00],  
[2.5626e+00, 8.4532e-04, 2.4129e-01],  
[1.0540e+01, 9.6946e-03, 6.2107e-01],  
[8.5826e-02, 5.5687e-07, 1.2250e-02],  
[2.7081e-03, 1.4638e-08, 4.3549e-04],  
[4.8514e-01, 4.8620e-05, 5.5499e-02],  
[1.0164e+02, 8.3921e-02, 3.0712e+00],  
[1.3987e+01, 7.1329e-02, 5.7753e-01],  
[1.8043e+01, 9.5230e-03, 1.1771e+00],  
[2.6391e+02, 4.4286e+00, 5.0944e+00],  
[1.1929e+00, 6.3604e-04, 1.2125e-01],  
[2.0499e-02, 2.3528e-08, 3.1790e-03],  
[1.9608e+01, 2.2776e-02, 9.3388e-01],  
[8.4427e+00, 1.0836e-02, 4.3102e-01],  
[3.8480e+01, 2.3873e-01, 1.2814e+00],  
[2.2692e+00, 3.4305e-04, 2.0141e-01],  
[8.5513e+01, 1.6601e+00, 2.1677e+00],  
[1.6738e+00, 3.5111e-04, 9.1747e-02],  
[2.8293e-01, 5.1439e-06, 2.6830e-02],  
[1.4256e+01, 1.0376e-02, 6.0568e-01],  
[2.5997e-01, 1.1618e-05, 3.5335e-02],  
[6.9494e+01, 6.4745e-01, 2.3932e+00],  
[2.4899e+00, 4.3341e-04, 1.2853e-01],  
[6.4299e-01, 1.3090e-04, 7.8234e-02],  
[9.0171e+01, 4.7181e-01, 2.1252e+00],  
[1.6659e+01, 2.5317e-02, 7.6748e-01],  
[5.8564e-01, 3.2713e-05, 4.3200e-02],  
[2.9369e+01, 1.0670e-01, 1.5049e+00],  
[1.1534e+02, 3.4956e+00, 2.9221e+00],  
[3.0129e-02, 1.0638e-06, 4.3366e-03],  
[3.3416e-02, 1.7760e-06, 5.0451e-03],  
[3.2854e-02, 1.3561e-07, 4.6755e-03],  
[1.2734e-01, 2.8150e-06, 1.6136e-02],  
[4.3877e-03, 3.9602e-09, 6.8445e-04],  
[1.1328e+02, 3.2218e-01, 3.8203e+00],  
[2.9258e-01, 1.1451e-05, 3.5017e-02],  
[4.5877e+01, 1.1895e-01, 1.2246e+00],  
[9.8698e+00, 9.8993e-03, 7.0504e-01],  
[1.1865e+02, 9.2007e-01, 2.0189e+00],  
[3.4564e-02, 1.7226e-06, 4.8740e-03],  
[3.0146e-01, 3.5024e-05, 2.7033e-02],  
[8.3719e+01, 3.1488e-02, 2.0455e+00],  
[7.8724e-03, 1.0675e-08, 1.2073e-03],  
[1.5329e+00, 3.2094e-04, 1.1428e-01],  
[5.7761e+00, 1.1402e-02, 2.9182e-01],



[6.1221e+00, 3.0242e-03, 5.2593e-01],  
 [4.0598e+01, 5.6907e-01, 1.5343e+00],  
 [1.9870e+02, 1.7797e-01, 4.6175e+00],  
 [4.7987e-02, 2.9392e-07, 6.4419e-03],  
 [2.9572e+00, 9.0706e-03, 3.1516e-01],  
 [1.5316e+01, 6.9608e-03, 7.1765e-01],  
 [9.0803e-01, 3.2855e-04, 1.1031e-01],  
 [4.2874e+00, 1.5015e-03, 3.1783e-01],  
 [1.9321e+01, 1.4983e-02, 1.4767e+00],  
 [1.5075e+00, 1.0640e-03, 1.4589e-01],  
 [1.6352e+01, 3.8743e-02, 1.4150e+00],  
 [6.8636e+00, 2.5333e-02, 4.3153e-01],  
 [2.5239e-01, 2.5665e-05, 3.3884e-02],  
 [3.3193e+00, 2.6628e-03, 3.9562e-01],  
 [2.7835e+00, 2.3947e-03, 2.0256e-01],  
 [2.1160e-01, 1.7715e-05, 2.6330e-02],  
 [4.2046e+01, 2.6707e-01, 1.1067e+00],  
 [3.3169e-01, 1.9344e-05, 3.0749e-02],  
 [1.2602e+00, 8.6049e-04, 1.1293e-01],  
 [3.4823e+00, 1.3596e-03, 2.3786e-01],  
 [3.2298e+01, 1.9900e-01, 1.1625e+00],  
 [2.3260e+00, 1.3782e-03, 1.9645e-01],  
 [2.2225e+01, 2.0023e-01, 1.6102e+00],  
 [1.2434e-01, 1.7889e-06, 1.4696e-02],  
 [4.3365e+01, 7.4418e-02, 2.8244e+00],  
 [2.6596e+01, 1.0609e-01, 1.1624e+00],  
 [1.4188e+01, 6.4131e-02, 1.0133e+00],  
 [1.2178e-02, 2.2950e-08, 1.9400e-03],  
 [6.9236e+01, 1.7091e+00, 2.7753e+00],  
 [6.1674e+01, 5.3384e-01, 2.5009e+00],  
 [1.6225e-01, 2.6079e-06, 1.9674e-02],  
 [1.3459e+02, 3.2627e+00, 3.9020e+00],  
 [3.8298e-01, 1.1370e-04, 3.9507e-02],  
 [1.2129e+00, 3.5511e-04, 8.4359e-02],  
 [1.1004e+01, 1.8250e-02, 5.4023e-01],  
 [1.0937e+01, 6.6413e-02, 8.3530e-01],  
 [1.1310e+02, 5.8574e-01, 2.6664e+00],  
 [7.7379e-01, 1.8822e-04, 9.8833e-02],  
 [5.6382e+01, 1.4419e+00, 2.4790e+00],  
 [8.3404e+01, 1.2089e-01, 3.4722e+00],  
 [1.7827e-01, 1.2873e-05, 1.8359e-02],  
 [2.2774e+01, 5.6188e-02, 1.0538e+00],  
 [3.4227e-01, 6.8748e-05, 3.5752e-02],  
 [5.1711e-02, 3.9401e-07, 6.9325e-03],  
 [6.2596e+01, 1.3356e+00, 2.5584e+00],  
 [1.4256e-02, 1.1569e-07, 2.1163e-03],  
 [6.1686e+01, 1.5391e-01, 2.6542e+00],  
 [4.6068e-01, 3.9058e-06, 4.7808e-02],

[5.3386e-03, 6.3254e-09, 8.3111e-04],  
[7.5330e+01, 8.2405e-01, 3.1079e+00],  
[2.8421e+02, 7.1884e-01, 4.6858e+00],  
[4.7564e-04, 9.3235e-11, 7.7810e-05],  
[5.1278e+00, 6.1674e-03, 2.6689e-01],  
[1.7277e+00, 1.2736e-03, 1.5092e-01],  
[5.3986e+01, 1.5728e-01, 2.2618e+00],  
[2.2327e-03, 6.3663e-10, 3.5860e-04],  
[1.6763e+01, 8.0047e-02, 5.9656e-01],  
[2.4516e-02, 2.8558e-07, 3.4407e-03],  
[1.5950e+02, 5.9287e+00, 4.1568e+00],  
[1.9063e+00, 3.6099e-04, 2.2126e-01],  
[1.4773e+00, 6.0648e-05, 1.4844e-01],  
[1.1956e+00, 2.1291e-05, 1.1836e-01],  
[2.6512e+00, 1.3841e-03, 1.3364e-01],  
[7.8267e+00, 3.5787e-03, 3.1325e-01],  
[3.9872e+00, 5.3402e-03, 3.2093e-01],  
[2.6272e-03, 7.3635e-10, 4.2095e-04],  
[1.7073e+00, 1.2118e-03, 1.1856e-01],  
[2.5605e+00, 1.5766e-03, 1.5312e-01],  
[4.1275e-02, 5.4360e-07, 5.6679e-03],  
[3.5216e-02, 9.2238e-07, 4.8118e-03],  
[8.5603e+01, 1.1482e+00, 1.8973e+00],  
[2.7935e+01, 2.1212e-02, 1.0853e+00],  
[7.1363e+01, 6.0954e-01, 3.0660e+00],  
[2.5928e-01, 2.7206e-05, 2.3745e-02],  
[1.1366e+02, 8.0469e-01, 1.9077e+00],  
[6.7294e-01, 2.1892e-04, 6.2870e-02],  
[1.9061e-02, 8.3993e-08, 2.9432e-03],  
[1.6960e+02, 5.7475e+00, 3.7796e+00],  
[1.7744e+02, 6.7818e-02, 3.1463e+00],  
[5.4660e-01, 6.5835e-05, 6.0802e-02],  
[3.7729e+00, 4.3177e-03, 2.6640e-01],  
[8.6337e-01, 2.9899e-04, 9.3685e-02],  
[1.7651e+01, 4.3441e-02, 6.4228e-01],  
[3.8382e+00, 6.2279e-03, 3.3242e-01],  
[1.8320e+01, 1.2305e-01, 1.1569e+00],  
[2.3500e-01, 4.1853e-05, 2.8026e-02],  
[7.8071e-02, 6.4162e-06, 1.1343e-02],  
[4.5122e+00, 1.7559e-03, 2.1186e-01],  
[3.3408e-01, 8.0920e-05, 4.4292e-02],  
[3.7050e+00, 1.1558e-03, 1.8264e-01],  
[3.3662e+01, 3.3671e-01, 1.0588e+00],  
[4.8088e+00, 2.9825e-03, 2.8257e-01],  
[1.8661e+00, 7.8126e-04, 1.5934e-01],  
[1.3691e+02, 1.1278e+00, 3.3223e+00],  
[7.5444e-04, 2.0511e-10, 1.2210e-04],  
[4.4208e+00, 3.3135e-04, 3.0582e-01],

[2.9438e+01, 7.3688e-02, 9.4796e-01],  
 [1.5243e+02, 5.3477e+00, 4.0225e+00],  
 [1.5869e+00, 8.3705e-04, 1.1425e-01],  
 [9.5973e+00, 2.1592e-02, 7.4565e-01],  
 [3.3630e-01, 1.8322e-05, 3.2083e-02],  
 [1.3624e+01, 1.1459e-01, 1.3654e+00],  
 [1.5109e+01, 2.1850e-02, 1.2692e+00],  
 [1.9281e+01, 1.0316e-01, 1.2159e+00],  
 [1.4885e+02, 1.5124e+00, 3.4230e+00],  
 [5.9775e+00, 1.4155e-02, 3.7716e-01],  
 [1.8908e-02, 1.2047e-07, 2.9397e-03],  
 [2.0409e+01, 7.7486e-03, 6.0215e-01],  
 [1.4913e-03, 2.2630e-09, 2.4097e-04],  
 [1.2281e+02, 1.8851e+00, 3.3653e+00],  
 [1.7772e-01, 4.3164e-06, 2.4014e-02],  
 [4.6324e+00, 2.1760e-02, 4.6663e-01],  
 [3.9350e-02, 8.7758e-08, 5.4226e-03],  
 [1.1273e+01, 8.1274e-03, 6.2301e-01],  
 [1.1565e+02, 4.3142e+00, 4.2329e+00],  
 [3.6670e-02, 6.6835e-07, 5.4743e-03],  
 [9.3288e+00, 1.0637e-02, 9.6522e-01],  
 [7.3408e+00, 2.3591e-03, 8.1577e-01],  
 [1.0595e+00, 2.4579e-04, 6.9935e-02],  
 [1.0475e+00, 1.8939e-04, 1.0354e-01],  
 [2.3853e-02, 5.6073e-08, 3.4128e-03],  
 [4.3216e-01, 8.7326e-06, 5.2173e-02],  
 [1.8043e+02, 6.7765e+00, 4.7687e+00],  
 [7.1851e+00, 5.5691e-04, 5.3668e-01],  
 [1.8458e-01, 6.9844e-06, 1.9479e-02],  
 [1.8163e+01, 2.8618e-03, 5.6200e-01],  
 [4.7254e-01, 7.6466e-05, 6.1402e-02],  
 [2.0648e+00, 8.1841e-04, 1.7079e-01],  
 [1.3233e-01, 9.2027e-06, 1.5205e-02],  
 [1.5072e+00, 1.7972e-04, 1.0371e-01],  
 [6.6855e+01, 5.9395e-02, 2.1553e+00],  
 [3.5931e+01, 2.6201e-01, 1.3215e+00],  
 [2.0252e+02, 5.9593e+00, 4.3661e+00],  
 [5.5508e+01, 3.2414e-01, 1.4229e+00],  
 [5.3456e+01, 2.0697e-01, 1.4262e+00],  
 [3.4889e-02, 2.3237e-07, 4.9545e-03],  
 [1.7570e+01, 4.2577e-02, 1.0316e+00],  
 [7.3494e+01, 5.4135e-01, 3.0887e+00],  
 [4.1978e+01, 7.1002e-01, 1.9204e+00],  
 [1.6041e+01, 8.5773e-02, 1.0324e+00],  
 [4.7315e-01, 2.4033e-04, 5.4510e-02],  
 [1.6386e+00, 1.1661e-03, 1.4903e-01],  
 [4.1151e+01, 1.5014e-01, 9.6777e-01],  
 [8.8192e+00, 8.0388e-03, 5.8422e-01],

```

[4.2641e+01, 4.3493e-01, 1.2979e+00],
[5.6883e+00, 3.1957e-02, 5.5266e-01],
[6.0784e-01, 1.7041e-04, 5.7595e-02],
[6.6096e+00, 3.1354e-02, 5.2709e-01],
[1.0925e+01, 1.0136e-02, 1.1431e+00],
[8.9003e+00, 8.7650e-03, 1.0173e+00],
[4.5205e-03, 1.5818e-08, 7.1673e-04],
[3.6903e+01, 5.4964e-01, 2.4046e+00],
[7.7831e+00, 5.3555e-03, 5.1548e-01],
[8.3149e+00, 2.2414e-02, 4.5401e-01],
[5.8066e+01, 1.5287e-01, 3.1216e+00],
[6.0839e-01, 1.0562e-04, 5.2733e-02],
[1.4423e-01, 2.3889e-06, 2.0358e-02],
[2.1738e-01, 1.4853e-06, 2.4380e-02],
[2.8080e-01, 1.5326e-05, 2.5580e-02],
[4.2018e-02, 2.8051e-07, 6.6398e-03],
[3.6940e+01, 1.6632e-01, 2.1218e+00],
[1.1899e+00, 1.8971e-03, 1.3936e-01],
[3.4292e+01, 3.3150e-01, 1.2578e+00],
[4.3921e+01, 5.5296e-01, 2.0015e+00],
[6.5613e-01, 2.5690e-04, 7.2353e-02],
[9.8796e-03, 3.3563e-08, 1.5351e-03],
[1.1698e+00, 2.3249e-04, 1.0058e-01],
[5.2776e-01, 1.0791e-04, 4.8681e-02],
[2.0339e+00, 5.8291e-04, 1.6019e-01],
[1.3756e+00, 7.1077e-04, 1.2616e-01],
[1.6438e+01, 5.5691e-02, 8.1249e-01],
[2.3749e+01, 1.7182e-01, 2.0913e+00]], dtype=torch.float64)
Iteration: 168
Inputs: tensor([[4.7299e+18, 1.5179e+02, 9.1961e+00, 5.1898e+00],
[1.3797e+20, 1.3893e+02, 1.0434e+01, 8.7659e+00],
[2.9567e+19, 1.8224e+02, 1.6137e+01, 2.9121e+00],
...,
[4.1025e+18, 4.6101e+02, 9.5575e-01, 1.4479e+00],
[4.4845e+20, 2.7918e+02, 1.2336e+01, 2.2745e+00],
[7.8668e+18, 4.4063e+02, 1.3390e+01, 9.2344e+00]], dtype=torch.float64)
Target: tensor([[3.4498e-01, 3.3770e-05, 4.0021e-02],
[2.9201e+01, 2.5747e-01, 1.4096e+00],
[2.0426e+00, 9.6216e-04, 2.1157e-01],
[7.8620e+00, 1.9450e-02, 4.4342e-01],
[3.5259e+01, 2.8242e-01, 1.2457e+00],
[1.6172e+00, 8.6587e-04, 1.4295e-01],
[4.7175e-01, 9.9495e-05, 5.1292e-02],
[6.8921e-02, 2.3691e-06, 8.4784e-03],
[1.0020e+01, 4.1591e-03, 4.8026e-01],
[4.3500e+00, 6.6882e-03, 2.3590e-01],
[2.2431e+01, 1.6775e-01, 1.3121e+00],
[7.6346e-02, 1.1702e-05, 1.1392e-02],

```

[4.0646e+01, 1.5230e-01, 1.3892e+00],  
[7.0320e+01, 1.2181e+00, 2.5360e+00],  
[2.0700e+01, 9.4016e-02, 1.2761e+00],  
[1.2362e+02, 2.1481e+00, 3.0992e+00],  
[3.5702e+00, 2.0924e-03, 1.8493e-01],  
[3.6747e+00, 1.8462e-03, 1.6888e-01],  
[6.1425e-01, 1.8007e-04, 6.1803e-02],  
[1.0022e+01, 4.2128e-04, 3.8737e-01],  
[8.9785e+00, 2.9094e-02, 4.3699e-01],  
[2.0576e+02, 1.1412e+01, 4.3947e+00],  
[3.9511e+00, 1.5277e-03, 2.2879e-01],  
[3.2641e+01, 1.5544e-01, 1.1572e+00],  
[1.2557e-02, 1.1212e-07, 1.8524e-03],  
[1.7760e+00, 1.4771e-03, 2.2618e-01],  
[1.3929e+02, 1.8394e-01, 4.4416e+00],  
[1.6121e-01, 1.5904e-05, 2.1984e-02],  
[2.0613e+01, 1.1009e-01, 8.1929e-01],  
[4.4067e+00, 6.7821e-03, 3.7289e-01],  
[2.4026e+01, 1.5212e-01, 1.6063e+00],  
[1.8100e+01, 4.2051e-02, 1.3737e+00],  
[2.7762e-01, 1.9385e-05, 3.3302e-02],  
[1.0947e+01, 1.7310e-02, 4.5605e-01],  
[6.1040e-02, 1.5184e-06, 8.3835e-03],  
[4.3238e+01, 3.3395e-02, 1.8245e+00],  
[1.4784e+01, 5.2768e-02, 5.2817e-01],  
[2.5913e+00, 6.8418e-04, 1.7424e-01],  
[1.0244e+01, 6.4589e-03, 4.8698e-01],  
[2.6040e+01, 7.7850e-02, 1.2887e+00],  
[7.1940e-01, 1.5046e-04, 7.9904e-02],  
[2.9529e+01, 1.7631e-01, 1.0422e+00],  
[1.2296e+02, 1.9133e-01, 2.9697e+00],  
[2.3440e-01, 1.1956e-05, 2.1750e-02],  
[4.8966e-01, 4.4849e-05, 5.7649e-02],  
[1.0222e+01, 6.4288e-03, 7.7185e-01],  
[2.1022e-01, 3.1728e-05, 2.3113e-02],  
[1.4303e-02, 1.0995e-07, 2.2024e-03],  
[1.8464e+01, 1.6179e-01, 8.9064e-01],  
[2.3698e+01, 6.7362e-02, 1.0386e+00],  
[7.7366e-02, 2.4670e-06, 1.1123e-02],  
[1.2682e+02, 3.2734e+00, 2.7846e+00],  
[6.0072e+01, 6.6577e-01, 2.2285e+00],  
[1.6294e-01, 2.5250e-05, 2.0251e-02],  
[4.1883e-02, 1.3381e-06, 5.6861e-03],  
[2.3967e-02, 6.9409e-08, 3.4140e-03],  
[4.1759e+00, 1.5643e-03, 3.1810e-01],  
[1.7579e-02, 1.9411e-07, 2.5530e-03],  
[3.9916e+01, 3.3682e-02, 1.9240e+00],  
[3.5513e+00, 2.2020e-03, 1.9491e-01],

[1.2172e+00, 2.3016e-04, 1.0747e-01],  
[4.1759e-02, 2.1338e-06, 5.8002e-03],  
[1.5293e+01, 2.2253e-02, 6.4562e-01],  
[4.5813e-02, 6.3567e-07, 6.0974e-03],  
[3.6394e-01, 5.6375e-05, 3.3879e-02],  
[1.4867e+01, 2.5796e-02, 5.2319e-01],  
[7.7522e-01, 2.7564e-06, 6.7009e-02],  
[4.7572e-01, 9.8710e-05, 5.5164e-02],  
[1.4991e+01, 1.5199e-01, 9.6741e-01],  
[6.6639e+01, 1.7855e-01, 2.9703e+00],  
[2.2973e+01, 7.5286e-02, 7.5932e-01],  
[2.9170e+00, 8.1809e-04, 3.0284e-01],  
[5.1455e-01, 4.6930e-05, 4.9087e-02],  
[3.9904e+01, 1.7326e-01, 1.1574e+00],  
[3.8284e+01, 2.2716e-01, 1.7534e+00],  
[1.4859e+00, 5.9163e-05, 1.2548e-01],  
[4.0224e+01, 2.6271e-01, 1.8280e+00],  
[1.2208e+00, 3.1082e-04, 9.8801e-02],  
[3.7259e-01, 3.4665e-05, 5.5494e-02],  
[3.1339e+00, 1.9234e-03, 2.8381e-01],  
[5.0133e+01, 2.5005e-01, 1.3047e+00],  
[2.0845e-02, 3.1792e-07, 3.2242e-03],  
[3.2563e+01, 2.5933e-01, 1.3199e+00],  
[4.6324e+00, 4.4950e-03, 3.1332e-01],  
[2.0946e+01, 1.2990e-02, 1.4437e+00],  
[3.2095e+00, 3.9698e-03, 2.4074e-01],  
[8.9899e+00, 7.7029e-03, 3.5451e-01],  
[4.5588e+01, 2.0437e-01, 2.0297e+00],  
[1.0661e-01, 1.1664e-06, 1.5035e-02],  
[1.7445e-01, 8.1717e-06, 2.1407e-02],  
[9.8683e+00, 1.6768e-02, 6.4061e-01],  
[2.6179e+01, 1.9067e-01, 8.4661e-01],  
[2.7208e+00, 6.8737e-04, 1.9484e-01],  
[7.0349e+01, 4.8288e-01, 3.2195e+00],  
[2.4354e+01, 5.6998e-02, 1.0746e+00],  
[6.5481e+01, 1.3554e-01, 2.1697e+00],  
[6.7563e+01, 5.7180e-01, 1.9691e+00],  
[2.0002e+02, 8.1801e+00, 3.8814e+00],  
[1.8486e+02, 8.6642e+00, 4.7896e+00],  
[1.9502e-01, 8.8300e-06, 2.4223e-02],  
[1.2669e+02, 2.3665e+00, 2.3683e+00],  
[1.0798e+00, 9.0111e-05, 9.6017e-02],  
[6.5030e+01, 1.2085e+00, 3.5785e+00],  
[4.5234e-01, 1.6786e-05, 4.0489e-02],  
[4.0802e+00, 2.6798e-03, 2.9405e-01],  
[1.7973e+01, 3.1557e-02, 1.2872e+00],  
[2.3890e+00, 5.4612e-04, 2.3259e-01],  
[6.3595e-01, 8.9605e-05, 6.0222e-02],

[1.0543e+01, 6.3168e-03, 1.0098e+00],  
[7.4239e-02, 4.8276e-06, 1.0333e-02],  
[3.0738e-01, 5.3455e-05, 3.9753e-02],  
[9.4308e+00, 1.7777e-02, 4.9511e-01],  
[2.2139e+00, 4.5103e-04, 1.4129e-01],  
[9.7087e+00, 1.0063e-02, 7.1916e-01],  
[3.0326e+00, 2.0074e-03, 1.8317e-01],  
[2.6627e+00, 1.9303e-03, 1.8210e-01],  
[1.5449e+00, 1.0292e-03, 1.4638e-01],  
[2.1896e+01, 1.3414e-01, 8.6138e-01],  
[8.8808e+01, 3.9001e-01, 2.7090e+00],  
[2.1950e-01, 4.2259e-06, 3.1303e-02],  
[2.9780e+01, 1.0981e-01, 1.1022e+00],  
[3.7381e+00, 8.3945e-04, 1.8348e-01],  
[3.2534e-02, 5.1213e-07, 4.6345e-03],  
[4.8247e-01, 1.5325e-05, 3.9663e-02],  
[4.4168e+01, 7.1537e-02, 1.1165e+00],  
[7.0551e+00, 1.4397e-02, 8.1247e-01],  
[1.5175e+01, 3.0108e-02, 6.0339e-01],  
[1.2611e-02, 8.1932e-08, 1.9557e-03],  
[4.6341e-03, 6.1341e-09, 7.3290e-04],  
[1.7999e+01, 5.5390e-02, 8.0225e-01],  
[8.0127e+00, 2.4264e-02, 5.3330e-01],  
[4.1916e-02, 4.2765e-07, 6.6073e-03],  
[1.5331e+01, 1.1258e-02, 1.0833e+00],  
[3.3663e+00, 3.6167e-03, 3.9313e-01],  
[4.7953e+01, 5.8257e-01, 1.6051e+00],  
[3.1099e+00, 6.9288e-03, 3.9734e-01],  
[1.6923e+01, 2.2033e-03, 9.5022e-01],  
[5.1883e+01, 3.4616e-02, 2.1178e+00],  
[5.0247e-01, 1.2142e-04, 5.1790e-02],  
[3.1765e+01, 8.7069e-02, 1.9004e+00],  
[3.0612e+00, 4.9607e-04, 1.7373e-01],  
[1.5093e+02, 2.2031e+00, 2.5775e+00],  
[1.0074e+01, 4.0193e-02, 6.1529e-01],  
[1.9310e-01, 7.6977e-06, 2.6427e-02],  
[2.3820e-01, 1.1229e-05, 3.5034e-02],  
[8.9131e+01, 5.5735e-02, 2.1937e+00],  
[1.0337e+02, 2.3448e+00, 3.4247e+00],  
[2.7508e+02, 6.8335e+00, 5.1369e+00],  
[2.2546e+01, 4.8443e-02, 1.0513e+00],  
[8.8592e-02, 4.9229e-06, 1.2280e-02],  
[7.7021e+01, 1.8113e-01, 2.5415e+00],  
[5.2125e+01, 3.9864e-01, 2.2415e+00],  
[1.2937e+02, 3.3706e+00, 4.3042e+00],  
[5.6226e+01, 1.0361e-01, 1.9177e+00],  
[1.6988e+01, 4.5093e-02, 6.9729e-01],  
[4.4537e+01, 2.3038e-01, 2.9785e+00],

[1.2175e+02, 2.1501e+00, 3.9524e+00],  
 [8.0687e+00, 1.9496e-03, 3.9641e-01],  
 [7.6032e+00, 6.7880e-02, 8.9655e-01],  
 [1.9096e-01, 4.4809e-06, 2.5927e-02],  
 [6.2553e+01, 2.3505e-01, 1.4069e+00],  
 [2.6590e+00, 1.2564e-03, 2.6856e-01],  
 [1.2655e+01, 1.7002e-02, 7.9352e-01],  
 [1.2941e+01, 1.4914e-02, 4.4071e-01],  
 [5.7900e+01, 1.6756e-02, 2.7643e+00],  
 [7.7879e-01, 1.4536e-04, 6.0986e-02],  
 [1.1702e-01, 1.1427e-05, 1.2940e-02],  
 [3.4320e+00, 2.9781e-03, 2.0537e-01],  
 [3.2446e-01, 2.4551e-05, 3.3928e-02],  
 [1.6471e+02, 2.8245e+00, 3.9739e+00],  
 [3.3473e+00, 6.5973e-04, 1.8584e-01],  
 [1.2560e+01, 4.5902e-02, 6.5276e-01],  
 [1.3507e+01, 3.1050e-02, 9.8103e-01],  
 [6.6960e+00, 1.0158e-02, 3.7414e-01],  
 [5.8583e+00, 1.7835e-03, 4.7693e-01],  
 [1.6373e+01, 4.1754e-02, 6.6438e-01],  
 [7.8943e+00, 8.6796e-03, 4.2657e-01],  
 [7.2619e+01, 3.6030e-01, 2.9236e+00],  
 [9.9813e-01, 1.1914e-03, 1.2183e-01],  
 [8.2936e-01, 1.7643e-04, 6.6497e-02],  
 [3.9806e+01, 1.1526e-01, 1.7935e+00],  
 [4.7830e+00, 6.3772e-03, 3.9136e-01],  
 [2.6146e+01, 2.8405e-01, 1.2164e+00],  
 [4.6581e-01, 2.9254e-05, 4.5737e-02],  
 [9.8560e+01, 1.4162e+00, 3.2589e+00],  
 [7.7576e-02, 3.8476e-06, 1.2023e-02],  
 [3.8597e+00, 2.4661e-03, 2.5005e-01],  
 [9.9729e-01, 4.6518e-04, 9.4635e-02],  
 [5.1627e-01, 6.6617e-05, 3.9237e-02],  
 [3.7689e+01, 4.1502e-01, 1.6223e+00],  
 [1.0036e+01, 4.1379e-03, 5.3157e-01],  
 [1.5515e+01, 1.2319e-01, 1.0438e+00],  
 [7.5805e+00, 9.2538e-03, 2.9554e-01],  
 [1.4942e-01, 2.4387e-06, 2.1417e-02],  
 [2.9905e-01, 2.8393e-05, 2.7427e-02],  
 [2.2615e+01, 6.0125e-02, 1.4278e+00],  
 [2.2734e+00, 6.3451e-04, 1.7632e-01],  
 [3.9349e+01, 2.6457e-01, 1.6197e+00],  
 [1.4514e+00, 1.0478e-05, 1.2453e-01],  
 [1.5274e+00, 6.7363e-04, 1.2034e-01],  
 [1.5104e+01, 3.5839e-02, 1.0159e+00],  
 [3.5923e+01, 3.2403e-01, 1.5315e+00],  
 [6.1217e-02, 1.2031e-06, 7.9155e-03],  
 [9.3054e-01, 1.3489e-04, 5.9181e-02],



[2.1688e+02, 5.7238e+00, 4.8554e+00],  
 [3.5420e+01, 1.1586e-01, 1.5195e+00],  
 [1.0424e+01, 1.0066e-02, 5.9417e-01],  
 [2.6699e+02, 1.0651e+00, 4.9380e+00],  
 [2.5200e+01, 2.0720e-02, 1.0056e+00],  
 [1.8098e+01, 1.1177e-01, 1.1831e+00],  
 [1.6815e-02, 4.0985e-08, 2.4830e-03],  
 [7.7237e+01, 1.1670e+00, 2.1741e+00],  
 [1.4516e-02, 1.4846e-07, 2.1854e-03],  
 [4.7033e-01, 5.2613e-05, 6.7906e-02],  
 [1.1306e+01, 1.9232e-02, 4.6275e-01],  
 [5.8823e+00, 9.0726e-03, 4.8929e-01],  
 [6.1508e-01, 6.3846e-05, 4.8821e-02],  
 [1.8067e+02, 6.1615e+00, 4.6111e+00],  
 [4.5937e-01, 3.0225e-05, 6.4417e-02],  
 [4.6704e+01, 5.0220e-01, 2.6968e+00],  
 [3.8988e-01, 3.4058e-05, 3.8477e-02],  
 [2.3131e+00, 2.9300e-03, 2.4829e-01],  
 [3.1513e-02, 1.3223e-07, 4.4808e-03],  
 [1.4308e+00, 7.8417e-04, 1.1764e-01],  
 [1.0148e+02, 6.2747e-01, 2.8175e+00],  
 [1.9794e+01, 2.0468e-02, 1.6800e+00],  
 [1.7767e+02, 2.5825e+00, 3.5768e+00],  
 [8.8347e-01, 1.5544e-04, 6.2349e-02],  
 [8.6261e+01, 2.5172e+00, 2.9632e+00],  
 [1.0232e+00, 7.7808e-04, 1.1995e-01],  
 [1.6445e+01, 7.0196e-02, 1.6210e+00],  
 [3.7691e-02, 8.1415e-07, 5.8559e-03],  
 [6.4040e+00, 6.4451e-03, 4.2004e-01],  
 [8.8843e-01, 1.6759e-04, 9.6491e-02],  
 [1.1478e+01, 2.3024e-02, 8.8824e-01],  
 [1.2832e+00, 4.6630e-05, 1.1668e-01],  
 [7.9156e+01, 6.2803e-01, 3.1262e+00],  
 [4.1435e+00, 3.8027e-03, 2.6990e-01],  
 [1.5022e+02, 4.3836e+00, 4.5546e+00],  
 [5.8989e+00, 8.1923e-03, 3.4434e-01],  
 [8.6505e-01, 7.6196e-04, 1.2167e-01],  
 [1.1437e+01, 2.2156e-02, 5.4911e-01],  
 [1.9846e+02, 3.1239e+00, 3.5260e+00],  
 [6.8087e-02, 2.3260e-06, 8.5369e-03],  
 [7.2609e+00, 1.1742e-02, 7.1102e-01],  
 [3.5234e+00, 1.5020e-03, 2.9625e-01],  
 [6.1348e+01, 2.4191e-01, 2.5238e+00],  
 [2.2022e+00, 1.9551e-04, 1.3719e-01],  
 [5.3489e+00, 3.5525e-03, 2.1808e-01],  
 [8.4456e+01, 2.4044e+00, 3.3026e+00],  
 [1.8302e-01, 2.3443e-05, 2.0652e-02],  
 [3.0899e-01, 6.3328e-06, 3.2694e-02],

[4.0003e+01, 5.7528e-02, 8.4690e-01],  
 [1.0018e+01, 4.1426e-03, 7.1366e-01],  
 [2.3832e+00, 1.0857e-03, 1.7233e-01],  
 [3.3408e+01, 2.6138e-01, 9.8616e-01],  
 [8.0837e+01, 9.0093e-01, 1.7165e+00],  
 [2.1564e+02, 4.9667e+00, 5.0304e+00],  
 [1.7276e+01, 7.1161e-03, 9.6935e-01],  
 [1.7512e+01, 4.9318e-02, 7.1355e-01],  
 [3.2485e+01, 3.8712e-02, 1.8239e+00],  
 [1.9462e+02, 8.1235e+00, 4.4201e+00],  
 [1.0318e+02, 8.2946e-01, 2.8893e+00],  
 [1.0200e+02, 6.1762e-01, 2.5782e+00],  
 [8.0376e-01, 3.5501e-06, 5.0338e-02],  
 [5.5483e-02, 1.1452e-06, 7.1876e-03],  
 [2.7169e+00, 1.0152e-03, 2.0444e-01],  
 [1.0080e+02, 1.0812e+00, 2.3094e+00],  
 [2.5072e-01, 3.2479e-05, 2.6537e-02],  
 [3.4496e+00, 2.1786e-03, 2.0467e-01],  
 [1.8319e+01, 1.5293e-01, 9.2933e-01],  
 [8.3380e+00, 8.9765e-03, 3.6571e-01],  
 [6.1490e+00, 1.5718e-02, 5.1632e-01],  
 [2.3078e+00, 1.1071e-03, 1.7615e-01],  
 [3.5276e-01, 8.5485e-05, 4.9685e-02],  
 [8.0808e-03, 2.9855e-09, 1.2464e-03],  
 [1.8162e+01, 7.4909e-02, 7.1294e-01],  
 [1.8221e-01, 5.5785e-06, 2.1473e-02],  
 [8.8261e+00, 1.6564e-02, 6.5084e-01],  
 [1.9435e-01, 3.5815e-05, 2.5077e-02],  
 [1.2678e+02, 2.5472e+00, 3.7869e+00],  
 [3.8000e-02, 3.5721e-07, 5.4536e-03],  
 [3.5607e-01, 6.5038e-05, 3.8075e-02],  
 [5.6237e+01, 3.6847e-01, 2.7963e+00],  
 [2.1981e+00, 5.3406e-04, 1.4313e-01],  
 [3.7385e+01, 4.6164e-01, 2.0891e+00],  
 [7.4114e+01, 1.7115e+00, 2.1526e+00],  
 [6.4249e-01, 1.9392e-04, 6.7658e-02],  
 [7.8318e+00, 2.2351e-02, 8.7842e-01],  
 [1.0364e-01, 5.2799e-06, 1.2152e-02],  
 [4.7894e-03, 2.4606e-08, 7.4367e-04],  
 [8.2787e+00, 2.1226e-03, 5.2217e-01],  
 [4.9147e-01, 4.8523e-05, 4.4969e-02],  
 [2.5089e-01, 4.5617e-05, 3.1717e-02],  
 [2.8988e+00, 8.7584e-03, 3.0311e-01],  
 [7.0634e+00, 1.5150e-02, 3.9352e-01],  
 [2.2544e+01, 1.2349e-02, 1.3557e+00],  
 [1.7195e+02, 2.1845e+00, 3.0498e+00],  
 [1.0461e+00, 3.2056e-04, 1.0407e-01],  
 [3.1909e+00, 7.2486e-03, 2.9760e-01],

```

[1.3550e-01, 2.7917e-06, 1.6958e-02],
[2.4318e-02, 1.9214e-07, 3.6899e-03],
[2.0590e+01, 7.5072e-02, 7.6189e-01],
[7.9134e+01, 1.3185e-01, 3.1634e+00],
[1.0850e+02, 2.2932e+00, 3.9707e+00],
[6.9739e+00, 1.5288e-02, 3.6171e-01],
[1.2945e+00, 2.0750e-04, 8.2784e-02],
[3.7545e+00, 2.4490e-03, 3.0941e-01],
[5.8338e+00, 2.6650e-03, 3.3026e-01],
[1.0722e+00, 4.4021e-05, 5.8799e-02],
[5.3631e-01, 8.3732e-05, 5.9290e-02],
[2.9583e+01, 2.5614e-01, 1.3071e+00],
[2.3383e+01, 1.6567e-01, 1.0205e+00],
[4.0889e+01, 1.1752e-01, 9.4480e-01],
[1.9883e+00, 3.5149e-05, 1.2213e-01],
[2.1999e+02, 2.0080e+00, 4.4075e+00],
[9.8678e-01, 3.5127e-04, 1.1188e-01],
[2.6077e+00, 2.9845e-05, 1.3517e-01],
[5.0955e+01, 1.5092e-01, 2.6025e+00],
[3.8533e+00, 4.4072e-03, 2.1297e-01]], dtype=torch.float64)
Iteration: 169
Inputs: tensor([[2.6610e+18, 1.3882e+02, 1.9998e+01, 1.5131e+00],
[6.1583e+20, 2.8943e+02, 3.7816e+00, 6.9427e+00],
[7.5673e+20, 1.8839e+02, 1.9807e+01, 2.1588e+00],
...,
[6.0635e+18, 3.7972e+02, 1.1114e+01, 6.4523e+00],
[4.1729e+18, 2.3783e+01, 1.8447e+01, 5.3576e+00],
[5.2289e+20, 1.3124e+02, 7.5452e+00, 4.2624e+00]], dtype=torch.float64)
Target: tensor([[4.8195e-03, 5.6398e-09, 7.6443e-04],
[1.8909e+02, 2.8504e+00, 3.9497e+00],
[2.8813e+01, 1.1089e-01, 2.2799e+00],
[7.9205e-03, 1.2246e-08, 1.1995e-03],
[2.0572e+01, 1.3615e-01, 1.8670e+00],
[1.1935e-01, 2.0389e-06, 1.4832e-02],
[8.3196e+01, 6.8790e-01, 3.3552e+00],
[1.0702e-03, 5.6217e-10, 1.7283e-04],
[1.9549e+00, 1.3524e-04, 2.0998e-01],
[1.0008e+00, 3.3270e-04, 7.2667e-02],
[6.9226e-01, 4.4106e-04, 9.2385e-02],
[8.4152e-01, 5.8000e-05, 6.6051e-02],
[1.2826e+01, 1.9001e-02, 8.8222e-01],
[1.7967e-01, 1.7020e-05, 1.9273e-02],
[2.0466e-01, 5.9541e-05, 2.8942e-02],
[8.1829e+00, 1.6138e-02, 3.6502e-01],
[2.8968e+01, 1.3667e-01, 1.4516e+00],
[2.2529e+02, 4.8164e+00, 3.3997e+00],
[5.3330e-03, 6.5454e-09, 8.3032e-04],
[1.1689e+02, 2.3660e+00, 4.0119e+00],

```

[9.5365e+00, 7.0178e-03, 9.2149e-01],  
[2.9111e+00, 1.1965e-03, 2.2715e-01],  
[6.0276e+01, 4.5681e-01, 2.1654e+00],  
[2.7698e-01, 1.3660e-05, 3.5318e-02],  
[8.7812e+01, 1.4547e+00, 4.0586e+00],  
[4.5493e+01, 2.4564e-01, 1.1587e+00],  
[5.2494e+01, 3.9504e-01, 1.5612e+00],  
[4.4797e-01, 2.3084e-05, 4.3977e-02],  
[1.3319e+00, 3.3101e-04, 1.3138e-01],  
[4.4008e+00, 5.8565e-04, 2.4563e-01],  
[8.4126e+00, 1.7863e-02, 5.0017e-01],  
[4.2133e+01, 6.1433e-02, 1.2891e+00],  
[3.9185e-01, 4.8626e-05, 4.0254e-02],  
[1.5795e+02, 2.7502e+00, 3.6571e+00],  
[3.5191e+01, 1.7765e-02, 1.5348e+00],  
[4.9715e+01, 3.4437e-01, 1.8777e+00],  
[2.2564e-01, 9.0900e-06, 3.0922e-02],  
[1.1589e+01, 1.2498e-02, 5.4536e-01],  
[2.3765e-02, 1.0654e-07, 3.3835e-03],  
[4.0729e-01, 8.4387e-05, 4.5577e-02],  
[7.9216e+01, 2.1730e+00, 2.9020e+00],  
[6.0726e+00, 4.9904e-03, 2.7493e-01],  
[4.6676e-01, 1.3603e-04, 4.4967e-02],  
[3.4162e+00, 4.9505e-04, 1.7017e-01],  
[8.9119e-02, 2.0015e-06, 1.1668e-02],  
[4.5518e+01, 1.5341e-01, 1.5608e+00],  
[6.8129e+01, 5.2576e-01, 2.2094e+00],  
[9.3557e+00, 1.3008e-03, 5.7161e-01],  
[1.5227e-03, 6.7121e-10, 2.4685e-04],  
[1.4814e-02, 3.4279e-08, 2.2776e-03],  
[5.1091e+01, 4.3542e-01, 1.2616e+00],  
[9.0574e+00, 7.7883e-03, 3.7836e-01],  
[3.6717e-02, 6.7930e-07, 5.1968e-03],  
[2.5696e-04, 1.2212e-11, 4.2281e-05],  
[2.5442e+01, 1.3395e-02, 1.5036e+00],  
[8.2016e+01, 5.5767e-01, 2.0651e+00],  
[9.2910e+01, 1.1791e+00, 2.5095e+00],  
[9.2684e+01, 9.2838e-01, 3.6555e+00],  
[7.7864e+00, 2.9602e-03, 5.1204e-01],  
[1.2900e+02, 1.7257e+00, 4.2046e+00],  
[9.6048e-01, 6.6149e-04, 1.1189e-01],  
[1.1694e+01, 1.5238e-02, 5.2725e-01],  
[2.0674e+00, 8.7437e-04, 1.9985e-01],  
[1.6199e+01, 2.1705e-02, 1.2036e+00],  
[7.8789e+00, 1.1773e-02, 5.4370e-01],  
[8.7527e+01, 1.0566e+00, 2.4357e+00],  
[3.3581e+01, 6.9519e-02, 1.2800e+00],  
[9.3106e-02, 3.8801e-06, 1.1350e-02],

[3.5996e-02, 6.3100e-07, 4.8453e-03],  
 [3.0919e+01, 2.1125e-01, 1.4793e+00],  
 [4.8539e+00, 4.6493e-03, 2.5215e-01],  
 [1.0915e+00, 1.1308e-04, 1.0105e-01],  
 [2.3774e+02, 2.1889e+00, 5.0101e+00],  
 [3.7359e+01, 4.2989e-02, 1.7772e+00],  
 [5.6906e+01, 1.3269e-01, 3.0146e+00],  
 [1.9884e-01, 1.6184e-05, 2.4989e-02],  
 [2.1781e+01, 1.1642e-01, 8.0720e-01],  
 [3.5643e+01, 1.2782e-02, 1.3405e+00],  
 [1.3546e+00, 2.8544e-04, 1.2573e-01],  
 [2.2219e+00, 7.5625e-04, 2.1124e-01],  
 [3.1812e-03, 9.7442e-10, 5.0568e-04],  
 [5.3118e+01, 5.4743e-01, 1.7589e+00],  
 [2.0076e+01, 6.1477e-02, 8.3036e-01],  
 [6.3965e-01, 9.6682e-05, 4.7681e-02],  
 [1.7977e+01, 1.9864e-01, 1.2172e+00],  
 [1.3773e+01, 5.0276e-03, 1.3017e+00],  
 [3.8905e-02, 1.7703e-07, 5.5297e-03],  
 [2.2029e+01, 8.5349e-02, 8.3308e-01],  
 [5.0696e+00, 6.6332e-04, 5.9692e-01],  
 [1.3373e+00, 2.2199e-04, 8.7425e-02],  
 [1.7097e+00, 7.1892e-05, 1.3383e-01],  
 [5.7365e-03, 5.4294e-08, 8.8224e-04],  
 [1.9556e+01, 1.0287e-01, 1.2602e+00],  
 [4.7349e+01, 1.2433e-01, 1.9319e+00],  
 [9.8766e+01, 9.7561e-01, 3.2705e+00],  
 [5.1531e+00, 3.0656e-03, 2.3771e-01],  
 [1.4372e-01, 2.0250e-05, 1.7200e-02],  
 [2.1272e+00, 3.3673e-04, 1.2016e-01],  
 [1.7558e-01, 1.4096e-06, 1.9826e-02],  
 [1.4179e+02, 2.9037e+00, 4.4090e+00],  
 [7.2289e+01, 1.0703e-01, 2.0708e+00],  
 [2.2805e-01, 4.7961e-05, 3.1727e-02],  
 [2.4508e+02, 6.6453e+00, 4.0667e+00],  
 [6.6484e+01, 9.7211e-01, 2.6955e+00],  
 [3.7898e+00, 4.3773e-03, 2.0376e-01],  
 [1.6211e+01, 3.6482e-02, 7.8995e-01],  
 [1.1589e+01, 7.8059e-03, 7.8218e-01],  
 [3.8321e+00, 1.9430e-03, 3.7933e-01],  
 [8.7917e+00, 3.2508e-02, 8.4183e-01],  
 [3.6838e+00, 8.7179e-04, 2.6078e-01],  
 [8.8535e-02, 5.8236e-06, 1.0453e-02],  
 [1.1810e+01, 5.5747e-02, 5.4652e-01],  
 [7.8089e+01, 1.3156e+00, 3.2083e+00],  
 [5.5242e+00, 2.6470e-03, 2.2138e-01],  
 [3.8754e+01, 1.1491e-01, 2.0675e+00],  
 [3.1509e-01, 4.1287e-05, 3.4714e-02],

[1.9187e+01, 1.0739e-02, 8.3262e-01],  
 [3.4705e-01, 1.9244e-05, 3.5980e-02],  
 [4.8611e+01, 2.6704e-01, 2.3919e+00],  
 [2.7191e-02, 1.0046e-07, 3.8116e-03],  
 [1.8928e+02, 7.7582e-01, 4.5949e+00],  
 [3.2789e-01, 2.3800e-05, 2.8356e-02],  
 [1.6387e+00, 5.0310e-04, 1.4647e-01],  
 [4.9787e-01, 7.3718e-05, 5.9182e-02],  
 [5.0599e+01, 2.5009e-01, 2.9817e+00],  
 [4.1898e-02, 5.5554e-07, 5.8610e-03],  
 [1.1906e+01, 1.6301e-02, 6.8887e-01],  
 [2.3077e-01, 2.6850e-05, 2.9155e-02],  
 [2.4355e+01, 9.9249e-02, 9.6375e-01],  
 [1.9111e+00, 3.8804e-04, 1.4418e-01],  
 [2.7984e-02, 4.5940e-07, 4.2720e-03],  
 [4.8787e-01, 5.7470e-05, 4.7241e-02],  
 [2.6123e+01, 5.2109e-03, 9.4584e-01],  
 [1.5753e+00, 1.8796e-04, 1.6157e-01],  
 [1.5896e+01, 2.0711e-02, 7.4748e-01],  
 [3.5306e-02, 9.2022e-07, 5.2187e-03],  
 [2.6268e+00, 7.5672e-04, 3.0046e-01],  
 [9.6767e+00, 9.7531e-03, 7.1705e-01],  
 [3.0236e-01, 3.1919e-05, 3.6726e-02],  
 [1.0412e+00, 2.5073e-04, 1.0169e-01],  
 [2.5813e-01, 2.3910e-05, 2.4978e-02],  
 [1.5742e+00, 3.1527e-04, 9.4365e-02],  
 [1.8381e+01, 7.8681e-02, 9.1421e-01],  
 [5.4266e-02, 4.1337e-07, 8.3449e-03],  
 [4.9207e-01, 3.5829e-05, 6.6086e-02],  
 [1.2076e+02, 8.4901e-02, 2.9058e+00],  
 [1.2239e+02, 1.4795e+00, 3.7531e+00],  
 [1.9081e+00, 3.6604e-04, 1.7705e-01],  
 [3.2764e-02, 1.3378e-06, 4.5812e-03],  
 [1.9631e+00, 8.8566e-04, 1.5152e-01],  
 [2.3925e-02, 2.0239e-07, 3.6465e-03],  
 [9.8782e-02, 3.1869e-06, 1.2471e-02],  
 [4.0209e+01, 1.8124e-01, 1.3537e+00],  
 [9.7422e+01, 9.0786e-01, 2.5436e+00],  
 [1.3667e-01, 1.6357e-06, 1.8300e-02],  
 [1.1212e+02, 2.1717e-01, 3.7146e+00],  
 [4.5760e-02, 1.5719e-07, 6.5324e-03],  
 [2.3475e+02, 9.0340e+00, 4.8288e+00],  
 [2.2943e-02, 2.5553e-07, 3.2749e-03],  
 [1.4238e+01, 3.3034e-02, 5.4507e-01],  
 [3.7186e+01, 2.0262e-02, 8.5264e-01],  
 [1.6524e-03, 2.2674e-09, 2.6785e-04],  
 [2.4084e-01, 3.1824e-05, 2.4729e-02],  
 [1.8862e+00, 4.9987e-04, 1.5202e-01],

[9.0086e-01, 5.3483e-04, 1.0438e-01],  
[9.5699e+00, 1.3030e-02, 6.6870e-01],  
[2.6653e-02, 4.9351e-07, 3.8543e-03],  
[1.4185e+00, 8.2806e-04, 1.3110e-01],  
[7.4434e-02, 1.8878e-06, 1.0042e-02],  
[6.5454e-02, 5.1700e-06, 9.0232e-03],  
[3.0935e+01, 1.3806e-01, 1.3838e+00],  
[4.3392e+00, 2.7747e-04, 3.0697e-01],  
[3.8396e+00, 4.5847e-03, 2.5967e-01],  
[1.9526e+01, 5.0864e-02, 7.5672e-01],  
[6.5273e+01, 6.8571e-01, 1.6016e+00],  
[1.7985e+02, 1.5847e+00, 3.6690e+00],  
[5.4886e+01, 4.5356e-01, 1.0993e+00],  
[3.1409e+00, 4.3774e-03, 2.2428e-01],  
[2.2200e+02, 2.4051e+00, 4.6968e+00],  
[9.7616e+01, 2.1353e+00, 2.7302e+00],  
[5.1441e+01, 1.3080e-01, 1.4068e+00],  
[1.3610e-01, 1.1997e-05, 1.5636e-02],  
[3.6353e+01, 4.3039e-02, 1.8510e+00],  
[3.5382e+00, 1.2521e-03, 1.8111e-01],  
[1.8306e+00, 3.4660e-03, 1.8271e-01],  
[2.9328e-01, 4.4180e-05, 2.8089e-02],  
[6.6152e+01, 7.0829e-01, 2.6787e+00],  
[4.2292e-02, 1.2480e-06, 5.5957e-03],  
[6.9198e+00, 3.3418e-03, 6.4319e-01],  
[1.1054e-01, 4.4274e-06, 1.3821e-02],  
[8.9648e-01, 4.8549e-04, 7.6614e-02],  
[6.9555e+01, 1.1816e+00, 1.8989e+00],  
[3.9724e-03, 3.0154e-09, 6.1775e-04],  
[1.8589e+00, 6.3647e-04, 1.7374e-01],  
[1.4332e-03, 7.6863e-10, 2.3288e-04],  
[2.1986e+02, 7.0658e+00, 4.3306e+00],  
[6.9340e+01, 8.3578e-01, 3.1168e+00],  
[2.5337e+01, 6.7258e-02, 1.5290e+00],  
[8.8288e-02, 9.0241e-06, 1.1117e-02],  
[3.7835e+01, 4.9861e-02, 2.7896e+00],  
[4.2726e+01, 1.0159e-01, 2.5641e+00],  
[2.6518e+00, 1.3228e-03, 2.4778e-01],  
[8.1016e+01, 7.1040e-01, 2.3282e+00],  
[1.0230e+02, 5.0932e-01, 2.5042e+00],  
[7.5596e+01, 8.6081e-01, 1.8632e+00],  
[2.8481e+00, 2.4802e-03, 2.8570e-01],  
[1.5249e+02, 1.4537e+00, 4.7127e+00],  
[1.6726e+01, 7.0235e-03, 1.3295e+00],  
[7.4170e-02, 7.6520e-07, 1.0189e-02],  
[2.0546e+00, 4.5472e-04, 2.0871e-01],  
[7.4821e+00, 5.0096e-03, 6.1944e-01],  
[1.4899e+00, 3.0941e-04, 1.0066e-01],

[1.8165e+01, 2.1230e-02, 1.1388e+00],  
[2.9107e-01, 3.8049e-05, 4.3593e-02],  
[8.0961e-01, 3.4592e-05, 6.5187e-02],  
[1.5670e+00, 7.0582e-04, 2.0053e-01],  
[4.7117e+01, 3.0063e-01, 1.7265e+00],  
[7.5015e+00, 1.1719e-02, 3.8887e-01],  
[2.9134e+00, 1.0794e-03, 2.1652e-01],  
[5.0892e-01, 6.4266e-05, 6.7030e-02],  
[2.2620e+01, 1.5193e-01, 1.5865e+00],  
[3.8457e+00, 9.5171e-04, 2.3125e-01],  
[3.7051e+00, 4.6398e-03, 2.3664e-01],  
[4.2741e+01, 1.4281e-01, 1.4032e+00],  
[7.4204e-02, 3.6264e-06, 8.9944e-03],  
[3.6278e+00, 7.8121e-03, 2.9326e-01],  
[9.9471e-01, 4.0062e-04, 8.4124e-02],  
[5.4241e+01, 3.4731e-01, 3.1485e+00],  
[9.1287e-01, 2.1850e-04, 1.0143e-01],  
[2.3488e+01, 8.7574e-02, 1.4215e+00],  
[9.3103e-01, 8.5524e-05, 1.1718e-01],  
[2.4440e-03, 2.8419e-09, 3.8915e-04],  
[2.2585e+02, 5.4254e+00, 3.9789e+00],  
[2.2105e+02, 5.3367e+00, 4.7805e+00],  
[2.5797e+01, 7.0171e-02, 1.2472e+00],  
[4.0007e+01, 3.3423e-02, 9.6248e-01],  
[2.8208e+00, 4.1687e-05, 1.9216e-01],  
[2.2589e+01, 6.2419e-02, 1.8083e+00],  
[1.0984e+00, 2.1535e-04, 9.5360e-02],  
[5.3059e+01, 3.9642e-01, 2.1462e+00],  
[1.3081e+02, 3.8481e+00, 3.6062e+00],  
[2.8442e+02, 5.3702e+00, 4.3901e+00],  
[1.5430e+02, 3.4479e+00, 4.6032e+00],  
[2.2454e+02, 6.1980e+00, 4.0979e+00],  
[8.0910e-03, 1.8002e-09, 1.2644e-03],  
[4.0598e-01, 3.3352e-05, 4.3039e-02],  
[6.0146e+00, 1.2089e-02, 3.1026e-01],  
[2.1909e+02, 3.6940e+00, 3.9607e+00],  
[6.5688e-02, 6.6345e-06, 9.7420e-03],  
[7.4446e+01, 1.0258e+00, 2.0715e+00],  
[2.3245e-02, 1.0640e-07, 3.3973e-03],  
[4.8708e+01, 6.8066e-01, 1.5647e+00],  
[1.4622e-01, 3.9625e-06, 2.0376e-02],  
[1.0803e+02, 1.9332e+00, 3.0331e+00],  
[2.6965e+00, 1.9635e-03, 2.4027e-01],  
[1.3345e+01, 1.4754e-02, 1.0199e+00],  
[6.2426e-01, 2.6380e-04, 7.5266e-02],  
[2.8348e-01, 5.8966e-05, 3.2763e-02],  
[1.1704e+02, 2.7905e+00, 2.7515e+00],  
[3.3018e+00, 9.9716e-04, 3.6907e-01],



[3.3551e+01, 1.1105e-01, 7.7546e-01],  
 [1.8159e+00, 7.4522e-04, 1.5690e-01],  
 [7.5929e-01, 3.2160e-04, 8.5668e-02],  
 [3.3594e-03, 2.2479e-09, 5.3665e-04],  
 [1.2025e-02, 1.1284e-07, 1.8607e-03],  
 [4.8794e-02, 1.6183e-07, 6.3783e-03],  
 [1.2208e+01, 5.1741e-02, 5.6282e-01],  
 [8.2310e-02, 1.4094e-06, 1.1243e-02],  
 [8.8382e+01, 5.1245e-01, 1.8159e+00],  
 [2.1074e+02, 2.5647e+00, 4.6907e+00],  
 [2.4101e-01, 2.8544e-06, 2.3348e-02],  
 [6.4822e+01, 9.1522e-01, 2.4171e+00],  
 [5.4476e-02, 5.8239e-07, 7.2515e-03],  
 [1.5265e-01, 2.0905e-05, 2.0013e-02],  
 [3.5101e-01, 4.3794e-05, 3.6508e-02],  
 [8.9126e+00, 3.1240e-02, 4.6742e-01],  
 [1.3009e+01, 4.1210e-02, 7.6651e-01],  
 [4.9128e-02, 1.6730e-06, 6.4086e-03],  
 [8.5129e+01, 1.2063e+00, 2.4332e+00],  
 [1.9333e+01, 2.3813e-02, 9.1492e-01],  
 [5.7341e+00, 8.6879e-03, 4.0656e-01],  
 [4.6696e-01, 3.8053e-06, 5.1347e-02],  
 [3.1494e+00, 4.7689e-03, 3.1328e-01],  
 [1.4052e+01, 5.2853e-02, 8.3045e-01],  
 [1.2733e-02, 9.7029e-08, 1.9304e-03],  
 [1.0654e-01, 1.9203e-06, 1.2944e-02],  
 [2.7771e+01, 1.9769e-01, 9.6055e-01],  
 [1.9391e+00, 2.3043e-03, 1.9964e-01],  
 [1.4833e+02, 4.4888e+00, 3.8072e+00],  
 [6.2081e+01, 6.8124e-01, 1.5522e+00],  
 [3.2834e+01, 1.5182e-01, 1.2261e+00],  
 [9.3602e-02, 8.6266e-06, 1.3058e-02],  
 [8.6824e+01, 8.8686e-01, 2.6586e+00],  
 [1.3291e+01, 3.9391e-03, 4.6870e-01],  
 [3.5818e+00, 1.6296e-03, 1.8273e-01],  
 [8.2570e+00, 5.5986e-03, 5.1058e-01],  
 [2.2655e+02, 1.8831e-01, 4.8765e+00],  
 [4.4160e-02, 1.4392e-06, 6.0478e-03],  
 [3.8862e-01, 7.8441e-05, 3.7882e-02],  
 [4.1847e+01, 4.5241e-01, 1.8738e+00],  
 [1.5484e+00, 1.5742e-04, 1.4503e-01],  
 [2.2115e+01, 2.3520e-01, 1.3834e+00],  
 [5.3151e+01, 1.9333e-01, 2.9776e+00],  
 [8.5927e+00, 8.7609e-03, 3.4657e-01],  
 [2.1986e+01, 9.3179e-02, 1.3862e+00],  
 [4.3842e+00, 5.2154e-03, 2.4138e-01],  
 [9.1510e+01, 4.0367e-01, 1.7835e+00],  
 [1.3263e+01, 8.8829e-02, 6.6229e-01],

```

[9.9896e+01, 2.6476e+00, 2.6260e+00],
[4.1013e-01, 1.3489e-05, 3.5089e-02],
[7.8163e+00, 2.2784e-03, 3.6837e-01],
[1.0880e-01, 6.5463e-06, 1.3141e-02],
[6.2362e-01, 2.1419e-04, 7.5056e-02],
[9.6547e-02, 4.3439e-06, 1.1792e-02],
[1.8938e-03, 2.8963e-10, 3.0249e-04],
[2.2010e-01, 1.7120e-05, 2.6120e-02],
[2.5952e+01, 7.9622e-02, 1.3522e+00],
[2.0553e+00, 8.4912e-04, 1.4337e-01],
[3.1042e-03, 9.9711e-09, 5.0060e-04],
[6.1416e+01, 3.1540e-01, 2.9318e+00]], dtype=torch.float64)
Iteration: 170
Inputs: tensor([[4.1156e+18, 3.1333e+01, 1.6269e+01, 9.4609e+00],
[4.2414e+19, 2.2620e+02, 9.6239e+00, 9.0354e+00],
[3.4645e+19, 3.4273e+02, 1.2754e+01, 3.9356e+00],
...,
[1.5834e+19, 4.5740e+01, 9.9969e+00, 2.9118e+00],
[5.8655e+18, 1.5923e+02, 6.5351e+00, 8.3026e+00],
[1.9369e+18, 2.5831e+02, 1.7967e+01, 2.7319e+00]], dtype=torch.float64)
Target: tensor([[1.3693e-02, 3.3646e-07, 2.1270e-03],
[1.7472e+01, 8.2856e-02, 7.4899e-01],
[1.0476e+01, 1.3540e-02, 5.7744e-01],
[1.5225e+00, 5.0046e-04, 1.2022e-01],
[1.2093e+01, 2.9215e-02, 5.1278e-01],
[2.0299e+02, 6.0648e-01, 3.7375e+00],
[1.8493e+00, 3.9093e-04, 8.7729e-02],
[1.8705e+01, 5.6239e-02, 1.1978e+00],
[5.7438e+00, 1.5536e-02, 4.7665e-01],
[3.2298e-01, 7.8490e-05, 3.4309e-02],
[2.5229e-01, 7.6454e-06, 3.4738e-02],
[1.3277e-01, 5.6687e-06, 1.4682e-02],
[5.1870e+00, 5.8669e-03, 4.5030e-01],
[1.2518e+01, 2.2455e-02, 4.4184e-01],
[8.4002e+00, 1.0160e-02, 8.4782e-01],
[7.9552e-01, 7.2804e-05, 8.4942e-02],
[1.0169e+01, 6.1530e-03, 4.4171e-01],
[7.3761e+01, 8.5484e-01, 2.1160e+00],
[1.0170e+00, 7.3894e-05, 6.1839e-02],
[7.0853e-01, 5.5969e-05, 1.0235e-01],
[2.3790e-01, 9.0161e-06, 3.1366e-02],
[5.4724e-01, 4.5360e-05, 5.8828e-02],
[7.2735e-01, 1.7411e-05, 7.1695e-02],
[8.8489e+00, 9.9626e-03, 8.8415e-01],
[7.6275e-02, 1.1997e-06, 9.3424e-03],
[9.3313e+01, 9.8669e-01, 4.0863e+00],
[3.1060e+00, 5.5532e-04, 1.9940e-01],
[3.8088e+00, 9.3159e-04, 3.2072e-01],

```

[4.3012e-01, 3.3913e-05, 3.9744e-02],  
 [3.3449e+01, 3.8673e-02, 1.8126e+00],  
 [2.8368e+00, 6.0820e-03, 3.0374e-01],  
 [2.6485e+01, 1.1161e-01, 1.0126e+00],  
 [4.0265e-01, 6.1855e-05, 3.5183e-02],  
 [6.5555e+01, 1.0251e+00, 2.3165e+00],  
 [2.1457e+02, 1.1390e+01, 4.4085e+00],  
 [2.8801e-02, 1.3368e-07, 4.2702e-03],  
 [5.2283e+00, 5.4468e-03, 2.7246e-01],  
 [1.2170e+02, 2.1961e+00, 2.1947e+00],  
 [1.5357e+01, 2.5455e-02, 6.4013e-01],  
 [3.3148e+01, 1.6005e-02, 8.7995e-01],  
 [8.2396e+01, 2.3645e+00, 3.4554e+00],  
 [6.0515e+00, 1.8067e-03, 4.6585e-01],  
 [3.9767e-02, 4.6143e-07, 5.6593e-03],  
 [5.9394e+01, 2.8091e-01, 2.1802e+00],  
 [4.3390e+01, 4.6867e-02, 1.6556e+00],  
 [7.9952e+01, 8.1660e-01, 2.4827e+00],  
 [1.4744e+00, 1.2868e-04, 1.1185e-01],  
 [1.3024e+00, 1.6984e-04, 1.4077e-01],  
 [2.3933e+01, 1.5755e-01, 8.2582e-01],  
 [1.6458e+01, 7.5928e-02, 1.1064e+00],  
 [2.3641e-01, 1.1558e-05, 2.2171e-02],  
 [1.0060e-01, 3.2100e-06, 1.3041e-02],  
 [1.0799e-01, 3.0800e-06, 1.5945e-02],  
 [9.8020e+01, 1.3000e+00, 1.9747e+00],  
 [1.1632e+01, 4.4531e-03, 6.0214e-01],  
 [5.4568e+01, 5.5245e-01, 2.0125e+00],  
 [5.2351e-01, 8.5899e-05, 5.5269e-02],  
 [1.1527e+02, 1.7754e+00, 2.1941e+00],  
 [3.3231e+01, 1.7034e-01, 9.1872e-01],  
 [2.9157e+02, 6.8770e+00, 5.1200e+00],  
 [3.1053e+01, 3.7166e-01, 1.0812e+00],  
 [1.5154e+02, 1.0392e-01, 3.1003e+00],  
 [2.2032e+00, 6.4448e-04, 1.7620e-01],  
 [3.1653e-01, 2.9415e-05, 3.6655e-02],  
 [7.2813e-02, 1.3677e-06, 9.9987e-03],  
 [1.9178e+00, 9.4384e-04, 1.7474e-01],  
 [5.0013e+00, 5.2530e-04, 2.7820e-01],  
 [5.0226e+01, 3.5209e-01, 1.6981e+00],  
 [1.7432e-01, 1.1696e-05, 1.9330e-02],  
 [2.5994e+00, 1.4107e-03, 2.1957e-01],  
 [8.1385e+01, 5.8999e-01, 3.3802e+00],  
 [2.4888e+02, 2.7649e+00, 4.1451e+00],  
 [3.7144e+01, 2.6415e-01, 2.1116e+00],  
 [1.3381e+02, 1.1354e-01, 3.2449e+00],  
 [1.8112e+00, 5.5075e-04, 1.3849e-01],  
 [7.2579e+00, 7.9855e-03, 3.8283e-01],

[7.0487e+00, 1.7911e-02, 3.6358e-01],  
[6.1213e+00, 2.1546e-02, 6.0043e-01],  
[4.3924e-01, 4.5653e-05, 6.0459e-02],  
[1.0600e+01, 3.3004e-02, 9.6368e-01],  
[4.9264e+00, 7.5322e-03, 3.3343e-01],  
[3.9523e-02, 8.7887e-07, 5.6130e-03],  
[3.4970e+00, 5.3247e-03, 2.9130e-01],  
[5.8962e+00, 9.3610e-03, 3.4014e-01],  
[5.4628e+00, 9.8537e-03, 4.6775e-01],  
[5.3157e+00, 7.6158e-03, 5.1160e-01],  
[1.2251e+02, 1.1314e+00, 3.3949e+00],  
[1.2831e+01, 4.7064e-02, 8.7545e-01],  
[3.0568e+00, 5.6037e-04, 1.6758e-01],  
[2.0231e+01, 1.4115e-01, 7.5970e-01],  
[1.7886e+00, 5.0058e-04, 1.8914e-01],  
[1.3689e+01, 2.1313e-02, 7.7578e-01],  
[5.2288e-01, 7.4115e-05, 7.1314e-02],  
[2.7388e-01, 2.7687e-05, 2.6227e-02],  
[1.8277e-01, 1.4078e-05, 2.1288e-02],  
[5.9868e-02, 6.0426e-07, 7.9597e-03],  
[7.9045e+01, 4.8456e-01, 1.7227e+00],  
[4.3582e+01, 1.1680e-01, 1.6103e+00],  
[7.6978e-02, 2.6831e-06, 1.0193e-02],  
[2.3267e+01, 5.9378e-02, 1.7229e+00],  
[5.1263e+01, 2.1664e-01, 1.9474e+00],  
[7.0478e+01, 8.7286e-01, 2.1579e+00],  
[1.0608e+02, 2.6584e+00, 2.7633e+00],  
[2.0872e+00, 1.4017e-03, 1.6675e-01],  
[8.2817e-01, 1.3473e-04, 5.6179e-02],  
[1.2649e+01, 7.2114e-02, 7.4971e-01],  
[6.4591e-02, 2.6714e-07, 8.7576e-03],  
[2.0791e-01, 6.3477e-06, 2.6262e-02],  
[9.0504e+00, 7.0762e-03, 9.5268e-01],  
[6.8510e+01, 5.7858e-02, 1.6928e+00],  
[3.1472e-01, 2.2914e-05, 3.7689e-02],  
[3.2488e+01, 3.2329e-01, 1.7476e+00],  
[2.2515e+00, 8.0017e-05, 1.7688e-01],  
[2.5575e+00, 1.1666e-02, 3.1472e-01],  
[6.0102e-01, 1.1191e-04, 8.6361e-02],  
[8.7012e-01, 1.1161e-04, 9.5461e-02],  
[2.6096e+02, 1.4464e+00, 4.8993e+00],  
[3.0730e-01, 5.2934e-07, 3.0193e-02],  
[8.2805e+00, 3.3685e-03, 3.8229e-01],  
[2.7829e+00, 1.0430e-03, 2.1883e-01],  
[2.3557e+02, 2.5903e+00, 4.6542e+00],  
[1.4762e-02, 1.1995e-07, 2.2595e-03],  
[7.8250e-01, 1.0373e-04, 6.5775e-02],  
[3.1912e+00, 4.5092e-03, 3.6531e-01],

[1.5896e+01, 1.0691e-02, 6.6476e-01],  
 [7.9572e+01, 1.9967e+00, 3.7076e+00],  
 [6.3142e+01, 4.3981e-01, 1.5312e+00],  
 [6.1341e-03, 3.3464e-09, 9.4051e-04],  
 [1.5224e+01, 3.1740e-03, 4.8025e-01],  
 [1.0329e+02, 3.3540e+00, 4.3005e+00],  
 [8.2097e+00, 2.9743e-02, 6.6905e-01],  
 [1.4403e+01, 3.5203e-02, 1.1789e+00],  
 [1.1522e-01, 3.6226e-06, 1.3678e-02],  
 [8.8825e+01, 1.7776e+00, 3.7917e+00],  
 [1.5004e+00, 1.9059e-03, 1.5769e-01],  
 [1.3485e+01, 7.5229e-02, 7.3864e-01],  
 [1.2292e+00, 1.6326e-04, 1.3003e-01],  
 [1.6909e-01, 1.2271e-05, 1.7233e-02],  
 [1.2561e-01, 4.0780e-06, 1.6033e-02],  
 [1.6763e+01, 8.1936e-02, 1.1918e+00],  
 [4.2103e+01, 3.8357e-01, 1.8289e+00],  
 [7.0009e-01, 7.3378e-05, 7.5527e-02],  
 [5.5068e+00, 5.9722e-03, 3.4566e-01],  
 [1.0732e+02, 3.2820e+00, 3.1507e+00],  
 [1.3808e+00, 3.8545e-04, 1.2241e-01],  
 [5.4203e-01, 6.3685e-05, 6.1513e-02],  
 [4.4654e+01, 3.9484e-01, 1.0518e+00],  
 [9.1666e-02, 1.0794e-06, 1.2117e-02],  
 [8.7344e-01, 2.4523e-04, 8.4859e-02],  
 [1.0780e+00, 1.4214e-04, 7.1551e-02],  
 [1.0013e+02, 8.6650e-01, 2.5519e+00],  
 [4.6928e+01, 2.5111e-01, 1.7958e+00],  
 [2.5727e+00, 2.4570e-03, 2.0114e-01],  
 [1.2864e-01, 4.8290e-06, 1.5640e-02],  
 [1.3046e+01, 1.7735e-02, 8.9822e-01],  
 [6.1873e+00, 1.4937e-02, 5.2988e-01],  
 [7.8912e+01, 1.7060e+00, 2.2890e+00],  
 [2.3007e+02, 6.0760e+00, 4.1151e+00],  
 [8.4034e+00, 1.2432e-02, 5.4493e-01],  
 [1.1139e+01, 1.4414e-03, 4.5397e-01],  
 [2.7078e+00, 8.5956e-04, 1.4622e-01],  
 [2.0647e-01, 2.8921e-05, 2.8631e-02],  
 [4.1736e+00, 2.7516e-03, 1.9749e-01],  
 [1.3820e+00, 2.7108e-04, 1.1604e-01],  
 [8.2963e+01, 7.6122e-01, 2.1569e+00],  
 [2.2946e+01, 1.5737e-01, 1.1974e+00],  
 [3.5758e+01, 4.1429e-01, 1.4908e+00],  
 [1.0968e-01, 1.6837e-05, 1.4874e-02],  
 [2.4539e+00, 4.8733e-03, 2.5761e-01],  
 [2.6509e+00, 1.2632e-03, 1.5041e-01],  
 [1.3726e+00, 1.7831e-04, 9.9673e-02],  
 [2.6650e+00, 4.5192e-04, 1.5859e-01],

[3.3252e+01, 3.5635e-01, 1.8093e+00],  
 [6.1243e-01, 1.6931e-04, 4.9900e-02],  
 [1.1900e+01, 7.0939e-03, 7.8030e-01],  
 [2.1678e+01, 1.8763e-01, 1.4118e+00],  
 [1.3999e+01, 1.7345e-02, 5.5013e-01],  
 [1.3691e+02, 1.6324e+00, 3.1667e+00],  
 [6.8341e+01, 3.3322e-01, 1.6767e+00],  
 [1.7217e+00, 5.4372e-04, 2.1115e-01],  
 [4.9645e-02, 4.3799e-07, 6.6993e-03],  
 [2.7584e+01, 2.2195e-01, 1.4323e+00],  
 [2.1077e+01, 9.1412e-02, 1.3631e+00],  
 [3.0405e+01, 2.8150e-01, 1.0503e+00],  
 [3.6698e+00, 5.6744e-03, 3.7722e-01],  
 [2.2427e+01, 1.4092e-01, 1.3497e+00],  
 [2.9027e+01, 9.5541e-02, 1.0031e+00],  
 [3.0981e+00, 3.8562e-03, 2.4243e-01],  
 [1.6503e+02, 7.5098e+00, 3.7016e+00],  
 [3.6067e+01, 7.0823e-02, 1.6560e+00],  
 [2.9204e+00, 4.2589e-03, 2.5769e-01],  
 [4.9512e+01, 2.2559e-01, 2.0041e+00],  
 [4.8986e-04, 1.7455e-11, 7.9985e-05],  
 [8.4453e-02, 6.6859e-06, 1.2684e-02],  
 [9.7637e-03, 1.1527e-07, 1.4808e-03],  
 [1.3819e+01, 1.0479e-01, 1.0220e+00],  
 [1.7021e+01, 7.4507e-02, 1.0012e+00],  
 [9.8728e+01, 2.2134e+00, 3.6629e+00],  
 [1.0054e+01, 1.6706e-02, 6.0265e-01],  
 [2.5544e-01, 2.8623e-06, 2.2627e-02],  
 [3.2345e+01, 1.7478e-01, 9.3244e-01],  
 [1.7025e+02, 1.1479e+00, 3.2685e+00],  
 [3.4849e+00, 3.7412e-03, 2.2157e-01],  
 [7.8152e+01, 5.3510e-01, 2.9111e+00],  
 [1.7742e+02, 9.1026e+00, 4.7659e+00],  
 [1.0966e+01, 2.2884e-02, 7.7583e-01],  
 [2.5409e+00, 3.4237e-03, 1.9121e-01],  
 [1.6394e+00, 7.8151e-04, 1.3404e-01],  
 [8.7929e+00, 2.1775e-02, 4.6162e-01],  
 [1.6299e+00, 3.2037e-04, 1.7259e-01],  
 [3.4606e+00, 2.4765e-03, 2.5332e-01],  
 [1.0003e-01, 8.4062e-06, 1.1469e-02],  
 [3.4403e+01, 1.2200e-01, 1.9418e+00],  
 [3.4076e+00, 3.0278e-03, 3.0498e-01],  
 [1.2061e+01, 4.9588e-02, 7.5523e-01],  
 [7.1563e+01, 6.0289e-01, 3.3341e+00],  
 [1.5469e+00, 6.1801e-04, 1.6982e-01],  
 [5.6292e+00, 9.7808e-04, 5.6281e-01],  
 [3.4804e+00, 1.7288e-02, 4.1860e-01],  
 [1.0005e+01, 1.2415e-02, 4.4134e-01],

[3.7132e+01, 1.5279e-01, 2.5736e+00],  
[2.6872e-01, 6.2284e-05, 3.1833e-02],  
[2.2396e+01, 1.9371e-01, 9.2491e-01],  
[2.2943e+01, 4.1216e-02, 6.0505e-01],  
[2.9885e+02, 8.7302e+00, 4.5801e+00],  
[2.8042e+02, 1.1423e+01, 5.0027e+00],  
[4.5400e+00, 1.8106e-02, 4.3274e-01],  
[1.2424e-01, 1.2629e-06, 1.8402e-02],  
[1.5762e+02, 1.7711e+00, 4.6414e+00],  
[1.2466e-01, 2.7528e-06, 1.7267e-02],  
[3.1719e-02, 1.1797e-07, 4.3836e-03],  
[7.1472e+00, 1.1949e-02, 3.7327e-01],  
[1.8569e-01, 5.6063e-06, 2.3754e-02],  
[4.0097e+01, 8.2392e-03, 8.9598e-01],  
[4.3957e-01, 1.0397e-04, 5.2969e-02],  
[3.4243e+01, 9.7953e-02, 1.2252e+00],  
[5.0707e+01, 4.6607e-01, 1.1545e+00],  
[2.0616e+02, 3.0097e+00, 3.4078e+00],  
[4.2786e+01, 3.6030e-01, 1.8861e+00],  
[1.2310e+01, 2.1228e-02, 5.0523e-01],  
[1.4556e+00, 7.1553e-05, 9.9638e-02],  
[4.6693e+00, 2.7258e-03, 3.9303e-01],  
[3.4845e-01, 3.8531e-05, 2.7861e-02],  
[2.0505e+00, 3.6428e-04, 1.2629e-01],  
[1.1010e+01, 2.2315e-02, 5.4201e-01],  
[4.1411e+00, 2.3632e-03, 2.4933e-01],  
[5.4001e-01, 4.7473e-05, 4.5159e-02],  
[1.1137e+00, 6.5167e-04, 1.4442e-01],  
[8.1529e+01, 9.7262e-01, 2.6880e+00],  
[3.0475e-01, 1.8104e-05, 3.5637e-02],  
[3.9643e+01, 5.1286e-02, 9.9248e-01],  
[1.8510e+00, 1.6459e-03, 1.8129e-01],  
[5.7077e+01, 5.6764e-01, 1.5719e+00],  
[5.9161e+01, 1.3796e-01, 1.7502e+00],  
[8.7127e+00, 5.4938e-03, 3.9592e-01],  
[7.3617e+01, 3.3049e-01, 3.8568e+00],  
[7.3562e-02, 3.5570e-06, 8.9130e-03],  
[1.8408e+01, 7.5703e-02, 8.2975e-01],  
[1.4192e+00, 1.6192e-03, 1.5674e-01],  
[1.0160e+00, 2.2592e-04, 8.2602e-02],  
[7.7337e-01, 1.6633e-04, 6.6671e-02],  
[1.7232e+00, 1.3598e-03, 1.4497e-01],  
[4.0795e+01, 7.3556e-02, 2.6046e+00],  
[1.1202e+02, 1.8972e+00, 2.5017e+00],  
[2.5443e+01, 2.1451e-01, 1.7913e+00],  
[1.7668e-01, 1.7189e-05, 2.3086e-02],  
[4.3332e+01, 5.5701e-02, 1.2239e+00],  
[6.0194e-01, 2.3947e-04, 7.6280e-02],

[5.5814e+01, 2.2169e-01, 1.7927e+00],  
 [1.4532e+01, 5.5778e-02, 5.7030e-01],  
 [1.0771e+01, 1.1946e-02, 3.2775e-01],  
 [1.4522e+02, 1.9722e+00, 3.4194e+00],  
 [2.3826e+00, 6.4591e-04, 1.9615e-01],  
 [6.5152e-01, 7.7808e-05, 5.5110e-02],  
 [7.9233e-04, 1.7108e-10, 1.2857e-04],  
 [3.8365e-01, 1.2941e-05, 4.1442e-02],  
 [4.8632e+00, 2.0895e-04, 2.7660e-01],  
 [1.5376e+00, 9.3160e-04, 1.1651e-01],  
 [5.8127e+00, 7.9864e-03, 3.4297e-01],  
 [1.6185e+02, 2.7952e+00, 4.7608e+00],  
 [2.9587e+00, 2.6144e-03, 3.0306e-01],  
 [6.1032e-01, 8.8382e-05, 4.4504e-02],  
 [2.7749e+01, 1.7730e-02, 1.7827e+00],  
 [8.3175e-02, 6.8698e-07, 1.1235e-02],  
 [5.5513e+01, 8.2300e-02, 1.8280e+00],  
 [8.2428e+01, 1.8197e-01, 1.7872e+00],  
 [1.7968e+02, 3.1283e+00, 4.4694e+00],  
 [1.0115e+00, 3.0683e-04, 8.4781e-02],  
 [1.9439e-02, 1.9872e-07, 2.8276e-03],  
 [1.1799e+01, 5.2269e-03, 5.2248e-01],  
 [1.2022e+02, 1.4731e+00, 3.1115e+00],  
 [8.7709e+01, 6.0075e-01, 1.8956e+00],  
 [5.8536e-01, 6.8554e-05, 7.5471e-02],  
 [5.2877e+00, 3.4022e-03, 3.5278e-01],  
 [9.2244e+00, 6.2131e-03, 7.3217e-01],  
 [3.0158e-02, 6.8517e-07, 4.2510e-03],  
 [1.5694e-01, 1.9106e-05, 2.0726e-02],  
 [3.5934e+00, 3.5746e-03, 3.2761e-01],  
 [5.9802e+00, 1.4926e-03, 2.9396e-01],  
 [1.3551e+01, 1.4805e-02, 1.3699e+00],  
 [2.3487e+00, 3.4822e-04, 1.9272e-01],  
 [2.0586e+01, 5.5556e-02, 7.2471e-01],  
 [1.3703e+02, 6.3901e-02, 3.3568e+00],  
 [1.0231e+02, 2.3707e+00, 3.0906e+00],  
 [2.0475e+02, 3.7644e+00, 3.2955e+00],  
 [1.0591e+02, 1.6288e+00, 4.0228e+00],  
 [9.7187e+01, 4.1353e-01, 3.2375e+00],  
 [1.6359e+01, 1.6687e-01, 1.1030e+00],  
 [1.5033e+00, 3.0279e-04, 1.9006e-01],  
 [4.6446e+01, 1.2667e-01, 2.1622e+00],  
 [9.8811e-01, 5.1321e-04, 1.2340e-01],  
 [1.7548e+02, 3.4413e+00, 3.5695e+00],  
 [7.9889e+00, 1.4849e-02, 3.4413e-01],  
 [2.0949e+02, 6.7828e+00, 4.2373e+00],  
 [6.5343e+00, 1.5563e-03, 3.4005e-01],  
 [5.7771e-02, 6.3195e-07, 7.4861e-03],



```

[7.2904e+01, 2.8108e-02, 2.2078e+00],
[1.1527e-01, 3.7888e-06, 1.6917e-02],
[1.0447e+00, 3.4571e-04, 9.4813e-02],
[3.2685e-02, 3.4288e-07, 4.6770e-03]], dtype=torch.float64)
Iteration: 171
Inputs: tensor([[2.7230e+18, 2.6410e+01, 1.5462e+01, 5.6571e+00],
[2.7018e+18, 2.2190e+02, 1.9196e+01, 3.6932e+00],
[6.2378e+20, 4.3069e+02, 7.2692e-01, 9.6859e+00],
...,
[5.3577e+19, 5.5464e+01, 1.3081e+01, 6.2932e+00],
[2.5590e+20, 4.8444e+02, 1.6454e+01, 2.0716e+00],
[5.4478e+18, 4.7911e+02, 5.9724e+00, 1.2165e+00]], dtype=torch.float64)
Target: tensor([[2.5637e-03, 6.1854e-09, 4.1234e-04],
[6.3251e-02, 1.7870e-06, 8.7524e-03],
[2.8260e+02, 8.5936e+00, 4.0694e+00],
[8.0150e+00, 9.5493e-03, 4.6761e-01],
[1.1740e+01, 1.9708e-02, 1.1189e+00],
[1.2330e-01, 2.4200e-06, 1.3845e-02],
[1.5749e+01, 6.6333e-02, 7.0055e-01],
[5.5589e-02, 2.7089e-07, 7.3755e-03],
[9.2105e-03, 1.3320e-07, 1.4080e-03],
[1.4916e+00, 4.0839e-04, 1.4053e-01],
[7.5289e-01, 1.6004e-04, 5.7505e-02],
[6.0559e+01, 1.0727e-01, 1.1271e+00],
[8.8068e-01, 1.7486e-04, 8.2866e-02],
[1.1714e+00, 6.7732e-04, 9.7851e-02],
[1.8323e+01, 1.7451e-01, 1.0842e+00],
[3.9404e-02, 9.6228e-07, 5.2552e-03],
[7.0521e+00, 6.0847e-03, 3.0739e-01],
[1.3506e+01, 9.3001e-02, 9.3284e-01],
[5.7808e-03, 2.4752e-09, 8.8650e-04],
[1.1528e-01, 2.4839e-06, 1.3054e-02],
[1.5520e+00, 7.0195e-04, 1.7254e-01],
[2.4865e+00, 1.3826e-03, 2.2596e-01],
[4.5810e-01, 1.3812e-05, 4.8870e-02],
[3.2346e-01, 1.5984e-04, 4.3865e-02],
[1.0519e+02, 1.5114e+00, 2.4410e+00],
[8.5980e-01, 4.8752e-04, 8.0582e-02],
[1.9066e-01, 2.0334e-05, 2.3010e-02],
[1.5035e-01, 4.2224e-06, 1.8938e-02],
[4.4513e-01, 2.7801e-04, 5.7411e-02],
[1.6353e+01, 9.6774e-02, 6.5733e-01],
[1.3001e-01, 5.3103e-07, 1.6957e-02],
[3.8011e+00, 1.3599e-03, 2.1159e-01],
[1.1785e+01, 3.4736e-02, 5.9341e-01],
[1.2236e+00, 3.4320e-04, 9.9530e-02],
[1.9595e+02, 5.2179e+00, 4.0492e+00],
[9.1915e-02, 5.3067e-07, 1.1843e-02],

```

[1.3430e+01, 3.4491e-02, 7.3415e-01],  
 [3.0209e+00, 8.8623e-04, 1.9476e-01],  
 [3.2693e+00, 2.3456e-03, 3.0840e-01],  
 [1.2005e+01, 2.6062e-02, 7.0093e-01],  
 [4.3534e-03, 1.9672e-09, 6.7695e-04],  
 [1.9076e-02, 1.6915e-07, 2.9564e-03],  
 [5.1001e+01, 5.0853e-01, 2.7322e+00],  
 [1.0215e+01, 1.1167e-02, 7.2429e-01],  
 [3.2127e+00, 3.9099e-03, 3.4608e-01],  
 [9.2317e-02, 3.1229e-06, 1.1420e-02],  
 [3.7229e+01, 8.2009e-02, 2.7413e+00],  
 [2.7465e+01, 2.2641e-01, 1.1169e+00],  
 [5.7032e+01, 3.8818e-01, 1.7347e+00],  
 [1.2691e+02, 1.5088e+00, 2.2038e+00],  
 [1.1601e-01, 3.4133e-06, 1.4920e-02],  
 [4.3906e+01, 6.1127e-01, 1.9141e+00],  
 [4.8228e-01, 3.3771e-05, 3.6614e-02],  
 [1.6090e+02, 5.7470e+00, 3.7564e+00],  
 [5.3412e+01, 2.7380e-01, 2.0071e+00],  
 [3.4399e+01, 2.5900e-01, 1.1585e+00],  
 [2.7533e+01, 1.7167e-01, 9.2003e-01],  
 [2.8264e-01, 2.4201e-06, 3.6745e-02],  
 [4.8401e+01, 1.6250e-01, 2.8449e+00],  
 [8.3181e-01, 1.3153e-04, 9.0403e-02],  
 [3.8842e+01, 1.3676e-01, 1.6744e+00],  
 [1.2496e-01, 1.2882e-05, 1.9064e-02],  
 [8.3588e-02, 5.7028e-06, 1.0395e-02],  
 [6.1451e+00, 7.2711e-03, 3.6723e-01],  
 [1.3002e-02, 1.2417e-07, 1.9524e-03],  
 [1.8385e-01, 3.9367e-05, 2.5629e-02],  
 [2.6713e+01, 2.1820e-01, 1.6454e+00],  
 [6.0119e+01, 3.5267e-01, 1.9283e+00],  
 [1.8688e+02, 4.4671e+00, 3.0677e+00],  
 [1.6579e+01, 1.2688e-01, 8.5556e-01],  
 [5.3052e+01, 1.3209e-01, 1.2131e+00],  
 [4.0274e+01, 1.9442e-01, 1.5763e+00],  
 [2.7752e+00, 5.1704e-04, 2.3460e-01],  
 [2.8350e-01, 1.2291e-05, 3.8181e-02],  
 [6.9647e+00, 1.4231e-02, 4.0883e-01],  
 [6.8617e-04, 2.1470e-10, 1.1136e-04],  
 [4.4989e+01, 4.7345e-01, 1.3924e+00],  
 [1.0023e-01, 1.4640e-06, 1.3674e-02],  
 [1.1627e+02, 1.8675e+00, 3.5931e+00],  
 [1.0416e+02, 2.2038e-01, 2.7779e+00],  
 [1.2110e+00, 6.9057e-04, 1.1859e-01],  
 [1.5570e+02, 2.1153e+00, 3.2288e+00],  
 [4.6580e+00, 2.2570e-03, 2.1899e-01],  
 [3.3891e-02, 5.8968e-07, 4.8564e-03],

[1.2597e+01, 1.2988e-02, 5.5248e-01],  
 [5.2432e-01, 3.0081e-04, 6.6235e-02],  
 [1.7079e+01, 5.4700e-02, 6.6493e-01],  
 [4.7005e+01, 3.8826e-01, 3.1843e+00],  
 [1.1265e+02, 1.9360e+00, 3.3105e+00],  
 [6.8911e+00, 4.2533e-03, 2.3247e-01],  
 [4.8074e-03, 1.0814e-09, 7.4696e-04],  
 [8.3893e-02, 7.4766e-07, 1.0301e-02],  
 [1.5207e+02, 6.4327e-01, 4.2227e+00],  
 [7.8785e-02, 7.8325e-07, 1.0065e-02],  
 [3.0407e+01, 1.2287e-01, 9.5774e-01],  
 [6.8010e-03, 2.9695e-08, 1.0765e-03],  
 [1.2573e+01, 4.8660e-02, 6.8955e-01],  
 [1.4789e+00, 4.1085e-04, 1.1124e-01],  
 [1.3676e+01, 2.9337e-02, 6.7236e-01],  
 [3.3283e+01, 1.1745e-01, 2.3724e+00],  
 [8.3500e+00, 7.2377e-03, 3.9719e-01],  
 [8.3560e+01, 1.1042e+00, 2.1930e+00],  
 [5.5483e+01, 9.2077e-01, 1.6322e+00],  
 [1.7605e+00, 1.4230e-03, 1.4472e-01],  
 [4.4469e+00, 9.9119e-03, 3.2117e-01],  
 [7.6147e-04, 3.3367e-10, 1.2453e-04],  
 [3.0286e-01, 3.3480e-05, 3.6120e-02],  
 [1.7997e+00, 1.0521e-03, 1.3615e-01],  
 [9.2588e-02, 4.7037e-06, 1.0996e-02],  
 [9.1261e-02, 2.1618e-06, 1.2514e-02],  
 [1.0583e+02, 8.4927e-01, 2.5996e+00],  
 [7.9913e+01, 1.4241e+00, 1.8790e+00],  
 [5.5890e-03, 3.0697e-08, 8.7929e-04],  
 [1.8559e+00, 2.1243e-04, 1.9070e-01],  
 [5.0316e+01, 1.2871e-01, 2.8514e+00],  
 [1.3685e+02, 5.3351e+00, 3.8986e+00],  
 [6.8539e+01, 1.4296e-02, 1.7794e+00],  
 [9.4746e-01, 7.2693e-04, 1.1389e-01],  
 [1.2713e+02, 2.2949e+00, 2.9645e+00],  
 [1.3560e-01, 1.2106e-06, 1.5254e-02],  
 [2.5631e+01, 1.3219e-01, 8.7971e-01],  
 [1.5509e+02, 2.7825e+00, 3.3283e+00],  
 [2.5383e+01, 1.0324e-01, 1.0836e+00],  
 [1.7709e+02, 2.1563e+00, 3.9512e+00],  
 [1.8698e+01, 4.0630e-02, 5.9084e-01],  
 [4.3761e-01, 8.0779e-05, 4.5873e-02],  
 [1.7229e+00, 8.4054e-04, 2.0209e-01],  
 [2.7561e-01, 3.8697e-05, 2.9008e-02],  
 [7.1990e-01, 4.6336e-05, 5.4267e-02],  
 [1.9389e+01, 7.5390e-02, 1.4745e+00],  
 [7.9146e+00, 3.9804e-03, 3.9615e-01],  
 [3.7456e-01, 4.3327e-05, 3.5665e-02],

[4.4860e+00, 4.1559e-03, 5.2247e-01],  
[1.0871e+02, 6.3797e-01, 2.7981e+00],  
[1.2318e+01, 1.4966e-02, 8.0217e-01],  
[6.6850e-01, 5.3776e-05, 6.1248e-02],  
[1.5277e-01, 8.2660e-06, 1.6936e-02],  
[2.6152e-01, 1.1571e-05, 2.3839e-02],  
[6.2603e-02, 2.5995e-06, 8.5858e-03],  
[7.7730e-01, 2.3576e-04, 5.9681e-02],  
[1.6184e+02, 4.8716e+00, 4.2732e+00],  
[2.7931e+01, 2.3869e-02, 2.2847e+00],  
[2.8169e+00, 5.8149e-03, 3.4836e-01],  
[1.4425e+01, 1.1441e-02, 7.8711e-01],  
[5.4241e+01, 8.5325e-01, 1.6508e+00],  
[1.3854e+01, 2.1759e-02, 4.6197e-01],  
[9.1604e-02, 1.2899e-06, 1.1011e-02],  
[1.0108e+02, 3.9776e-02, 2.1164e+00],  
[7.2534e+00, 2.4181e-03, 6.9440e-01],  
[2.8762e+01, 3.0562e-02, 1.0064e+00],  
[7.0203e+00, 8.1105e-04, 4.2267e-01],  
[4.2994e+00, 1.2569e-03, 2.8806e-01],  
[8.6357e+01, 1.5221e-01, 4.0780e+00],  
[3.6582e+01, 7.8565e-02, 1.2683e+00],  
[2.6701e+00, 4.5898e-04, 1.4007e-01],  
[8.0632e+01, 1.6148e+00, 2.9752e+00],  
[1.7241e+01, 2.0434e-01, 1.2131e+00],  
[4.4234e+00, 7.2405e-03, 2.6348e-01],  
[9.4591e-01, 1.2089e-04, 1.0567e-01],  
[8.9491e-01, 4.3333e-04, 8.1411e-02],  
[1.7429e+02, 8.3670e+00, 3.8053e+00],  
[1.3723e-01, 3.3953e-06, 2.0463e-02],  
[1.0459e-01, 1.4519e-06, 1.4148e-02],  
[2.1741e+01, 4.2815e-02, 1.6416e+00],  
[6.5798e+01, 2.5378e-01, 1.8421e+00],  
[8.4296e+00, 1.4155e-02, 3.9670e-01],  
[6.9338e-01, 1.3879e-04, 4.7726e-02],  
[3.4353e-03, 3.1115e-09, 5.4000e-04],  
[1.4141e-01, 2.1881e-06, 1.7059e-02],  
[4.2526e+00, 6.8073e-03, 2.9540e-01],  
[1.7519e+02, 6.9205e+00, 4.8418e+00],  
[7.2756e+01, 1.3029e+00, 2.5182e+00],  
[1.1618e+01, 2.7209e-03, 4.9483e-01],  
[1.4794e+01, 1.8487e-02, 1.3474e+00],  
[5.0585e+01, 6.8624e-01, 1.4326e+00],  
[9.8422e+01, 5.0143e-01, 2.6744e+00],  
[1.4413e+00, 6.3070e-04, 1.4687e-01],  
[1.3987e+00, 1.8305e-05, 8.3689e-02],  
[8.8362e-01, 2.8170e-04, 8.0252e-02],  
[1.4154e+00, 2.8656e-04, 1.1130e-01],

[2.5541e+00, 7.1026e-04, 2.1623e-01],  
 [1.1621e+02, 6.2744e-01, 4.4542e+00],  
 [6.3788e-02, 9.1076e-07, 8.0436e-03],  
 [3.0962e-02, 5.6129e-07, 4.5740e-03],  
 [8.0741e+01, 1.5365e+00, 2.1376e+00],  
 [1.0602e-01, 2.0645e-06, 1.2496e-02],  
 [5.4132e+00, 7.4210e-03, 3.4988e-01],  
 [1.8005e-01, 2.8537e-06, 2.3266e-02],  
 [4.7802e+01, 1.5944e-01, 1.7210e+00],  
 [7.4745e+01, 4.1816e-01, 1.6739e+00],  
 [8.5895e+01, 3.3952e-01, 2.0031e+00],  
 [8.6077e-02, 7.5537e-06, 1.0995e-02],  
 [5.0917e+00, 3.8614e-03, 4.9565e-01],  
 [5.0773e+01, 4.8397e-02, 2.3512e+00],  
 [9.6870e+01, 4.9403e-01, 2.2775e+00],  
 [6.9783e+01, 3.0434e-02, 1.7885e+00],  
 [1.7975e+01, 1.1522e-01, 1.1684e+00],  
 [4.4532e-01, 2.1912e-04, 5.5526e-02],  
 [3.0305e+01, 9.0263e-02, 1.8700e+00],  
 [5.1017e+01, 4.8212e-02, 2.5320e+00],  
 [2.3089e-01, 1.1516e-05, 2.5525e-02],  
 [2.5741e+00, 9.2029e-04, 3.1126e-01],  
 [2.5126e+02, 7.0446e+00, 4.2698e+00],  
 [5.6789e+01, 5.3174e-01, 3.0300e+00],  
 [7.7906e-03, 4.3350e-08, 1.2224e-03],  
 [1.4688e+02, 1.1030e+00, 3.8400e+00],  
 [8.6955e+01, 5.4306e-01, 2.1463e+00],  
 [1.1330e+02, 9.7027e-01, 2.9749e+00],  
 [1.6767e+01, 1.3393e-01, 1.5211e+00],  
 [4.1804e-01, 3.6894e-05, 5.3633e-02],  
 [5.3770e+01, 4.5312e-01, 1.7706e+00],  
 [2.0731e-01, 7.9915e-06, 2.4182e-02],  
 [4.4753e+00, 6.0973e-03, 5.0038e-01],  
 [8.5846e+01, 5.6919e-01, 2.7044e+00],  
 [2.8685e+00, 8.4132e-04, 1.5180e-01],  
 [1.0384e+02, 1.9157e+00, 3.4299e+00],  
 [2.5672e+02, 4.5756e+00, 4.5266e+00],  
 [4.1984e+01, 4.9017e-01, 1.2316e+00],  
 [3.8767e-01, 1.3698e-05, 3.3560e-02],  
 [1.7953e-01, 8.6742e-06, 2.7491e-02],  
 [4.3524e-02, 1.0107e-07, 5.9462e-03],  
 [7.0696e+01, 3.0079e-01, 1.5952e+00],  
 [2.1840e+02, 1.0891e+01, 4.9953e+00],  
 [1.9500e+02, 3.7005e+00, 4.2011e+00],  
 [1.0900e+00, 9.3417e-05, 1.0995e-01],  
 [3.2293e+00, 1.3301e-03, 1.9158e-01],  
 [4.2319e-01, 3.3109e-05, 3.3632e-02],  
 [2.1303e-01, 5.4116e-06, 2.6521e-02],

[4.3728e-02, 2.8775e-07, 6.1403e-03],  
[3.3781e-01, 3.0862e-05, 3.1907e-02],  
[1.4726e+01, 6.2156e-02, 7.1999e-01],  
[3.5751e+01, 4.0350e-01, 2.5002e+00],  
[4.8653e+01, 4.7627e-01, 1.8857e+00],  
[3.1273e+01, 2.0520e-01, 9.6226e-01],  
[1.6546e+01, 7.6679e-02, 1.1332e+00],  
[5.3958e+01, 9.6454e-02, 3.1731e+00],  
[8.5614e+00, 4.6304e-03, 3.5994e-01],  
[4.2399e+00, 2.4610e-03, 2.9313e-01],  
[8.7908e-01, 1.3372e-04, 9.0961e-02],  
[1.5150e+01, 7.2028e-02, 6.7252e-01],  
[1.5699e+00, 2.8380e-04, 1.2494e-01],  
[2.6432e-02, 7.5085e-08, 3.9398e-03],  
[8.0295e+01, 4.7892e-02, 2.4761e+00],  
[8.0992e+00, 1.1872e-02, 3.8859e-01],  
[1.7783e+01, 1.7933e-02, 1.2209e+00],  
[7.3244e-01, 2.4084e-04, 8.9617e-02],  
[1.1653e+02, 2.0880e+00, 3.4140e+00],  
[3.8696e+00, 3.8925e-03, 2.4356e-01],  
[2.2982e-01, 1.3146e-05, 2.2822e-02],  
[9.1419e+00, 3.3254e-03, 5.2231e-01],  
[6.5279e-01, 2.6236e-04, 6.2439e-02],  
[1.6191e+02, 5.6886e+00, 4.3811e+00],  
[1.1638e+01, 3.5264e-02, 5.3314e-01],  
[1.5583e+02, 3.7173e+00, 2.9806e+00],  
[6.4137e-03, 2.2107e-08, 9.8353e-04],  
[1.7846e-01, 5.1740e-06, 2.2815e-02],  
[9.4759e+00, 4.9774e-03, 5.4011e-01],  
[1.4083e+00, 5.0224e-04, 1.1524e-01],  
[8.4319e-02, 5.7853e-07, 1.2691e-02],  
[5.1475e+01, 2.2644e-01, 1.6750e+00],  
[5.3641e+01, 7.0059e-01, 1.9561e+00],  
[1.8707e+00, 1.5099e-03, 1.8351e-01],  
[5.2664e-02, 1.5578e-07, 7.8294e-03],  
[1.0062e+02, 7.2941e-01, 2.3252e+00],  
[2.0099e+00, 4.2237e-04, 1.9352e-01],  
[2.2437e+02, 3.1095e+00, 4.6346e+00],  
[4.5995e+00, 2.3859e-03, 1.9624e-01],  
[6.9580e+01, 1.1389e+00, 2.2098e+00],  
[6.5654e+01, 7.4317e-01, 2.5188e+00],  
[2.6025e+02, 3.5090e+00, 4.1438e+00],  
[9.3407e+00, 6.4517e-03, 4.4269e-01],  
[5.1921e-01, 1.0066e-04, 5.0046e-02],  
[1.1534e+01, 3.4302e-02, 5.5540e-01],  
[9.0465e-01, 1.3231e-04, 5.3203e-02],  
[6.4052e+00, 1.3031e-03, 2.8544e-01],  
[9.6329e+01, 1.3208e+00, 1.8043e+00],

```

[1.5404e+00, 7.1636e-04, 1.7917e-01],
[8.1305e+01, 4.0469e-01, 2.0574e+00],
[2.8445e+01, 3.9958e-02, 1.2045e+00],
[1.0875e-03, 3.2845e-10, 1.7779e-04],
[1.7517e-01, 4.1895e-06, 1.9962e-02],
[2.0501e+01, 2.7439e-01, 1.6350e+00],
[3.8894e+00, 7.3817e-03, 3.4268e-01],
[2.0863e-01, 4.9009e-06, 2.2588e-02],
[2.6478e+01, 1.0222e-01, 1.4721e+00],
[9.0031e+01, 1.8400e-01, 4.1401e+00],
[9.9836e+00, 1.8702e-02, 8.7109e-01],
[7.9777e+01, 7.9134e-02, 1.9996e+00],
[1.5155e+01, 5.8558e-02, 1.0998e+00],
[4.9284e+01, 1.0188e-01, 3.2156e+00],
[1.7102e+01, 1.0970e-01, 6.5661e-01],
[8.6389e+01, 4.6810e-02, 2.1607e+00],
[6.2067e+01, 3.6917e-01, 1.7501e+00],
[3.8246e-01, 1.4995e-05, 4.6597e-02],
[6.9133e-01, 1.6718e-04, 5.3221e-02],
[5.1547e+00, 7.6493e-03, 4.4830e-01],
[1.2159e+00, 1.9555e-04, 1.0890e-01],
[2.1641e+01, 1.0659e-02, 1.0433e+00],
[3.7393e+00, 3.1258e-03, 2.2740e-01],
[4.0271e-01, 4.6826e-06, 4.0134e-02],
[3.7215e-01, 2.2819e-05, 4.1368e-02],
[8.6584e+01, 8.5726e-01, 1.9089e+00],
[1.2556e+01, 7.5507e-03, 8.2915e-01],
[1.0049e+00, 4.9483e-05, 8.6413e-02],
[1.4730e+00, 4.6398e-04, 1.2292e-01],
[3.9076e+01, 1.1603e-01, 1.8232e+00],
[1.9382e+01, 3.5382e-02, 1.4141e+00],
[1.1440e+01, 1.6057e-02, 5.1126e-01],
[1.7798e+01, 7.6239e-03, 8.8669e-01],
[9.5887e+00, 4.5659e-03, 4.4475e-01],
[5.6271e+01, 1.0260e-01, 1.0948e+00],
[1.8044e+00, 7.8701e-05, 1.3073e-01],
[1.7957e-02, 7.7426e-08, 2.7343e-03],
[3.5530e+01, 2.0945e-01, 2.1314e+00],
[6.6130e-01, 9.0408e-05, 4.9875e-02],
[6.5817e+01, 2.7299e-01, 1.4092e+00],
[3.4965e+01, 1.1785e-02, 1.6428e+00],
[2.4373e+00, 3.8587e-03, 2.6449e-01],
[4.1281e+01, 1.1051e-01, 1.9870e+00],
[8.4448e-01, 1.6758e-05, 8.0598e-02]], dtype=torch.float64)

```

Iteration: 172

```

Inputs: tensor([[2.9511e+20, 4.5443e+02, 5.8679e+00, 5.1972e+00],
               [8.8958e+19, 2.8635e+02, 1.7333e+01, 7.6707e+00],
               [1.4375e+20, 1.1255e+02, 1.2394e+01, 8.4921e+00],

```

```

...,
[1.3705e+18, 1.9370e+02, 1.6723e+01, 6.6841e+00],
[2.4449e+18, 1.5984e+02, 2.9107e+00, 4.5248e+00],
[2.4353e+20, 1.8214e+02, 4.9516e+00, 6.9432e+00]], dtype=torch.float64)
Target: tensor([[1.2542e+02, 9.8539e-01, 2.6597e+00],
[2.8380e+01, 2.4959e-01, 1.1771e+00],
[2.1646e+01, 1.7917e-01, 1.2718e+00],
[2.0802e+00, 6.5082e-04, 2.0123e-01],
[6.9631e-02, 1.6338e-06, 9.3924e-03],
[4.8413e+00, 1.3302e-03, 4.7065e-01],
[4.1553e+00, 2.5362e-03, 4.8599e-01],
[3.1443e+01, 2.4767e-01, 2.4603e+00],
[1.5150e+01, 5.5187e-03, 5.8254e-01],
[1.7780e+01, 1.2215e-02, 1.0796e+00],
[2.2730e+02, 4.9621e+00, 4.8607e+00],
[5.8411e+01, 2.0289e-01, 2.0728e+00],
[2.9673e+00, 8.2153e-04, 2.6587e-01],
[1.2360e+00, 5.1993e-04, 1.7238e-01],
[6.0337e+01, 3.8870e-01, 3.5291e+00],
[2.1262e-01, 1.7687e-05, 2.2543e-02],
[1.7410e-02, 3.9977e-08, 2.6038e-03],
[4.1339e+01, 2.0184e-01, 9.9354e-01],
[4.0236e+00, 4.6994e-03, 4.5276e-01],
[7.7113e+01, 9.6235e-01, 1.9847e+00],
[6.4497e+01, 5.2506e-01, 2.4593e+00],
[1.4595e+01, 3.9357e-02, 6.1493e-01],
[4.0602e+01, 1.4784e-01, 1.0393e+00],
[1.6214e+01, 8.0532e-02, 8.7175e-01],
[6.2248e+00, 5.2151e-03, 4.3972e-01],
[4.7035e-01, 4.3451e-05, 4.3483e-02],
[1.3269e+00, 3.0703e-04, 1.4675e-01],
[6.5392e-01, 2.4009e-04, 9.2620e-02],
[3.2966e+01, 2.2478e-02, 1.7889e+00],
[7.3201e+00, 1.5063e-02, 4.1377e-01],
[4.6353e-02, 1.2356e-06, 6.1889e-03],
[5.4284e+00, 9.2164e-03, 3.7072e-01],
[2.2690e+02, 8.4804e+00, 4.1034e+00],
[2.3840e-01, 1.5856e-05, 2.5547e-02],
[1.0156e+01, 1.1743e-02, 8.2795e-01],
[4.6457e+00, 3.4247e-03, 2.7177e-01],
[2.4723e+00, 2.8499e-04, 1.4233e-01],
[2.9727e+00, 3.3289e-03, 2.0188e-01],
[1.2495e+01, 3.9440e-03, 8.6584e-01],
[2.7085e-01, 5.5972e-05, 3.2158e-02],
[1.4604e+01, 8.2814e-03, 6.7518e-01],
[5.9898e+00, 1.1799e-02, 3.2093e-01],
[4.8622e+01, 1.8980e-01, 2.5439e+00],
[1.4951e+00, 8.2328e-04, 1.5068e-01],

```



[3.3308e+01, 3.4170e-01, 1.6497e+00],  
 [1.1384e-01, 3.1608e-06, 1.3268e-02],  
 [1.4967e+02, 8.1460e-01, 3.4589e+00],  
 [4.9039e+00, 4.7155e-03, 2.9336e-01],  
 [7.1789e-01, 2.7665e-05, 8.3613e-02],  
 [4.0728e+00, 1.6266e-03, 3.1064e-01],  
 [3.0931e-02, 1.2514e-07, 4.4649e-03],  
 [2.0712e+00, 2.0200e-03, 1.8624e-01],  
 [9.2000e+00, 2.5318e-02, 4.4564e-01],  
 [1.2588e-01, 4.0956e-06, 1.3806e-02],  
 [7.9703e-02, 1.0642e-06, 1.0614e-02],  
 [8.8582e+00, 8.0665e-03, 8.6070e-01],  
 [4.3235e+00, 3.9218e-03, 3.4731e-01],  
 [8.0072e-01, 1.5738e-04, 7.9784e-02],  
 [2.0946e-02, 3.1605e-07, 3.0116e-03],  
 [4.8713e-01, 4.1235e-05, 4.6288e-02],  
 [4.8581e-01, 6.4562e-05, 6.5432e-02],  
 [2.1181e+00, 4.8900e-04, 9.9216e-02],  
 [1.7547e+01, 1.0684e-01, 9.2337e-01],  
 [2.0424e-02, 5.2789e-08, 3.0696e-03],  
 [3.8653e+00, 4.3322e-03, 2.5956e-01],  
 [5.5339e+01, 6.4665e-01, 2.1373e+00],  
 [3.0284e+01, 4.7209e-02, 1.3679e+00],  
 [5.8493e+01, 4.6838e-01, 2.0663e+00],  
 [2.5000e+01, 2.7207e-02, 1.3491e+00],  
 [3.4472e+01, 3.0755e-02, 1.4356e+00],  
 [1.9785e+01, 1.4586e-01, 1.7286e+00],  
 [1.1235e-01, 8.2904e-06, 1.3512e-02],  
 [4.8164e+00, 2.5371e-03, 4.7406e-01],  
 [1.0024e+01, 2.7419e-02, 5.8087e-01],  
 [3.3632e+01, 1.8262e-01, 9.4678e-01],  
 [1.5123e+01, 1.7175e-02, 1.0229e+00],  
 [8.7083e+01, 5.4375e-01, 4.1304e+00],  
 [9.7000e+00, 1.9090e-02, 4.6784e-01],  
 [2.0656e+00, 1.2359e-03, 1.5208e-01],  
 [5.2967e+01, 1.5044e-01, 1.0308e+00],  
 [1.4211e+02, 2.6411e+00, 4.0113e+00],  
 [1.4903e+01, 5.4388e-02, 5.3936e-01],  
 [1.2793e-01, 3.4510e-06, 1.5539e-02],  
 [1.5545e-01, 2.8009e-06, 1.8927e-02],  
 [9.4481e-03, 3.8249e-08, 1.5180e-03],  
 [3.1910e+01, 1.1582e-01, 9.9552e-01],  
 [4.1585e-02, 5.0454e-07, 5.6694e-03],  
 [4.1250e+00, 2.3657e-03, 2.9530e-01],  
 [1.7402e+02, 1.8153e+00, 4.4494e+00],  
 [4.6662e-01, 2.9526e-05, 4.8402e-02],  
 [1.3393e+00, 7.7160e-04, 1.7303e-01],  
 [2.0673e+00, 5.1261e-04, 2.3771e-01],

[1.8185e+02, 2.2818e+00, 3.0591e+00],  
 [2.4317e-01, 2.7887e-05, 2.4139e-02],  
 [4.9831e+01, 3.4028e-01, 2.5438e+00],  
 [2.5511e-02, 1.0001e-07, 3.7508e-03],  
 [4.8928e+01, 3.3032e-01, 1.9763e+00],  
 [2.3975e+01, 3.4021e-02, 8.0978e-01],  
 [2.9453e-02, 1.1189e-06, 4.1635e-03],  
 [2.6238e-01, 3.1458e-05, 2.8523e-02],  
 [1.2383e+00, 2.2408e-04, 7.3173e-02],  
 [2.7240e-01, 6.7598e-06, 2.8676e-02],  
 [2.6486e+02, 1.8274e+00, 3.9719e+00],  
 [4.7351e-02, 2.5157e-06, 6.2531e-03],  
 [3.8002e+00, 2.0590e-03, 2.6104e-01],  
 [2.8046e+01, 1.3595e-01, 1.0211e+00],  
 [6.9213e+01, 9.4237e-01, 1.4928e+00],  
 [1.1692e-01, 3.4810e-07, 1.4852e-02],  
 [1.9307e+02, 4.6040e+00, 3.9384e+00],  
 [1.0672e+01, 6.1292e-03, 4.1917e-01],  
 [2.0045e-02, 3.4169e-07, 2.9390e-03],  
 [4.6759e+01, 2.2867e-01, 3.0815e+00],  
 [2.7664e-01, 9.2274e-05, 3.7967e-02],  
 [1.5743e-02, 3.6463e-08, 2.3709e-03],  
 [1.1735e+00, 2.8130e-05, 1.0305e-01],  
 [3.4831e+01, 8.6132e-02, 1.2900e+00],  
 [7.3376e+01, 3.6751e-01, 1.8008e+00],  
 [1.0502e-01, 5.2756e-06, 1.3500e-02],  
 [6.1003e-01, 5.2424e-04, 8.3651e-02],  
 [1.1357e+02, 1.6311e+00, 2.3741e+00],  
 [9.8825e-03, 1.1267e-07, 1.4877e-03],  
 [1.7627e-01, 3.2540e-07, 1.7662e-02],  
 [1.1557e+00, 1.1285e-04, 7.2107e-02],  
 [2.4651e-01, 1.5256e-05, 2.7485e-02],  
 [1.0422e+00, 1.5856e-03, 1.2285e-01],  
 [7.5609e+00, 7.1738e-02, 7.9343e-01],  
 [7.5284e-02, 2.3893e-06, 9.0867e-03],  
 [1.3411e+02, 8.4548e-01, 2.9980e+00],  
 [1.1835e+02, 2.2033e+00, 2.7296e+00],  
 [2.3644e+00, 7.5786e-04, 1.2498e-01],  
 [1.0761e+02, 2.4072e+00, 3.5847e+00],  
 [8.1210e+01, 2.0816e+00, 3.3655e+00],  
 [1.3459e+01, 1.0701e-01, 9.8489e-01],  
 [2.1503e+01, 4.0618e-02, 1.0126e+00],  
 [3.3551e-02, 2.1478e-07, 4.7306e-03],  
 [1.2904e+02, 3.0365e+00, 3.2039e+00],  
 [8.7731e-02, 3.9003e-06, 1.0622e-02],  
 [5.6818e-01, 5.2815e-05, 6.9582e-02],  
 [2.5239e-03, 2.8307e-09, 3.9946e-04],  
 [4.6416e+00, 1.2359e-02, 3.5174e-01],

[1.4527e+02, 2.5115e+00, 4.0553e+00],  
 [5.2602e-02, 5.3960e-07, 7.1623e-03],  
 [6.8823e+01, 2.0860e-01, 1.5132e+00],  
 [6.2372e+01, 5.7937e-01, 1.6633e+00],  
 [9.1574e+00, 1.3058e-02, 8.6776e-01],  
 [1.4571e+02, 2.7464e+00, 3.5834e+00],  
 [1.5015e+00, 3.6911e-05, 1.3769e-01],  
 [3.8069e-02, 7.0133e-07, 5.5784e-03],  
 [1.1897e+00, 5.9482e-04, 8.9605e-02],  
 [1.5994e+01, 9.3767e-02, 7.1255e-01],  
 [3.6516e+01, 8.5939e-02, 8.8226e-01],  
 [3.3702e+01, 2.1591e-01, 1.2777e+00],  
 [4.1947e-01, 5.3255e-05, 3.3052e-02],  
 [2.8286e+01, 8.2203e-02, 1.0326e+00],  
 [8.5151e-01, 2.0170e-04, 1.0389e-01],  
 [2.5571e+02, 4.1431e+00, 4.6785e+00],  
 [2.1446e+01, 4.9007e-02, 8.3612e-01],  
 [2.2133e-01, 1.6155e-05, 3.0346e-02],  
 [1.2957e+02, 3.7628e-01, 2.6816e+00],  
 [9.9443e+01, 2.7187e+00, 3.0996e+00],  
 [1.6117e+01, 6.0439e-02, 7.2833e-01],  
 [4.0307e+00, 1.0276e-03, 3.4165e-01],  
 [2.6762e-02, 1.6159e-07, 3.8436e-03],  
 [4.2648e+00, 3.0291e-03, 2.7716e-01],  
 [1.4337e-01, 3.1285e-05, 2.0043e-02],  
 [1.4275e+01, 2.6076e-02, 4.3082e-01],  
 [1.7398e+01, 1.7828e-02, 7.9723e-01],  
 [9.7757e-01, 1.8531e-04, 9.3258e-02],  
 [9.4036e+01, 1.4803e+00, 1.8525e+00],  
 [1.3331e+02, 5.2940e+00, 4.6428e+00],  
 [1.3832e+01, 4.8499e-02, 1.1615e+00],  
 [2.3117e-03, 5.9219e-09, 3.6593e-04],  
 [1.9168e+01, 1.0531e-02, 1.7504e+00],  
 [8.1929e+00, 1.2406e-02, 3.9251e-01],  
 [4.6151e+01, 5.2425e-01, 2.2908e+00],  
 [5.6086e+00, 1.0226e-02, 3.5848e-01],  
 [1.3117e+00, 3.5545e-04, 1.0314e-01],  
 [2.0305e+01, 1.2338e-01, 8.1064e-01],  
 [2.7333e-01, 4.0324e-05, 3.6040e-02],  
 [6.4610e+00, 5.0170e-03, 3.4413e-01],  
 [1.4822e+00, 2.4314e-04, 1.0655e-01],  
 [1.0833e+02, 4.3662e+00, 4.3322e+00],  
 [8.5251e-02, 9.6707e-06, 1.1483e-02],  
 [1.3883e+02, 2.8191e+00, 3.4855e+00],  
 [1.5944e-01, 9.7510e-07, 1.7033e-02],  
 [4.4221e+01, 1.0079e-01, 1.7701e+00],  
 [5.1181e+01, 7.7891e-02, 1.2125e+00],  
 [2.6045e-01, 4.2020e-05, 2.7493e-02],

[3.0611e+00, 2.1915e-03, 2.2762e-01],  
 [5.5657e+01, 5.8518e-02, 1.8324e+00],  
 [4.4177e-01, 3.2493e-05, 5.4615e-02],  
 [3.7883e+00, 1.5410e-03, 1.6035e-01],  
 [2.5692e+01, 6.0693e-02, 7.3895e-01],  
 [6.6693e-01, 1.3893e-04, 6.6022e-02],  
 [8.6096e+01, 1.2351e+00, 2.8283e+00],  
 [1.4661e+02, 1.0172e+00, 3.2116e+00],  
 [2.0813e+01, 3.8751e-02, 1.6661e+00],  
 [7.5149e-02, 1.6531e-06, 9.4037e-03],  
 [1.0148e+02, 3.6827e-01, 1.9481e+00],  
 [5.4810e-01, 1.5185e-05, 4.6065e-02],  
 [1.1882e+02, 3.1040e+00, 2.7236e+00],  
 [5.0664e-01, 4.6979e-05, 4.0669e-02],  
 [9.8067e+01, 2.5187e+00, 2.5871e+00],  
 [6.9925e-01, 8.1291e-05, 7.8363e-02],  
 [1.0559e-01, 8.5184e-06, 1.3739e-02],  
 [4.8142e+00, 7.8416e-04, 3.0075e-01],  
 [3.0769e-02, 1.1126e-07, 4.3535e-03],  
 [2.0219e+02, 8.2822e+00, 4.5790e+00],  
 [5.3271e+00, 3.6314e-03, 2.9869e-01],  
 [4.5741e+01, 4.7145e-02, 1.1536e+00],  
 [3.7357e+01, 5.4262e-02, 1.6493e+00],  
 [9.1371e+01, 4.0132e-01, 1.9504e+00],  
 [5.5908e+00, 7.6571e-03, 5.0829e-01],  
 [3.2260e-01, 9.2238e-06, 3.4941e-02],  
 [8.7072e+00, 2.5815e-02, 5.3720e-01],  
 [9.0230e-02, 5.3875e-07, 1.2843e-02],  
 [1.1065e+00, 1.0198e-04, 1.1745e-01],  
 [1.6003e-01, 2.8954e-05, 2.1154e-02],  
 [8.1067e-01, 3.1331e-05, 8.2813e-02],  
 [6.3418e+01, 9.0170e-02, 2.9072e+00],  
 [1.1954e-01, 5.7232e-06, 1.5752e-02],  
 [7.9380e-01, 2.1193e-04, 6.0942e-02],  
 [1.6803e+02, 2.0153e+00, 3.8774e+00],  
 [9.0528e-02, 4.7378e-06, 1.0981e-02],  
 [3.1533e+01, 1.8543e-01, 1.2301e+00],  
 [1.7047e+01, 2.4156e-02, 1.4675e+00],  
 [4.9763e+00, 3.6655e-03, 2.1273e-01],  
 [3.7235e-02, 1.1173e-06, 5.5827e-03],  
 [4.5911e-01, 6.1082e-05, 6.3083e-02],  
 [3.3034e+01, 5.1420e-01, 2.5981e+00],  
 [3.7118e+00, 2.5698e-03, 2.4657e-01],  
 [1.3025e+00, 2.6091e-04, 1.2001e-01],  
 [1.7486e-01, 1.6765e-05, 1.8617e-02],  
 [2.8249e-02, 2.7001e-07, 4.0845e-03],  
 [3.7577e-01, 5.3683e-05, 3.9584e-02],  
 [1.7351e+01, 2.4623e-02, 1.6143e+00],

[1.3907e+02, 2.1980e+00, 2.3143e+00],  
 [6.4123e+00, 1.1728e-02, 5.9642e-01],  
 [1.4868e+01, 1.0637e-01, 1.1020e+00],  
 [1.9828e-01, 1.2784e-05, 2.5140e-02],  
 [1.2320e+01, 2.5957e-02, 8.0256e-01],  
 [3.0147e+01, 5.9124e-02, 1.1306e+00],  
 [1.5497e+02, 3.2051e+00, 4.5723e+00],  
 [6.7230e+01, 4.7766e-01, 3.7214e+00],  
 [8.6493e+01, 1.1636e+00, 1.9844e+00],  
 [8.7342e+01, 2.1060e+00, 2.9690e+00],  
 [6.9061e+00, 2.3622e-02, 4.8836e-01],  
 [1.4817e+01, 5.7262e-02, 6.1507e-01],  
 [1.4811e+02, 2.4586e+00, 3.1221e+00],  
 [1.0050e+02, 1.6089e+00, 3.1412e+00],  
 [1.4023e-01, 8.8218e-06, 1.5101e-02],  
 [6.6783e+00, 1.8180e-02, 5.1590e-01],  
 [3.7707e-01, 4.1392e-05, 4.2304e-02],  
 [1.2630e+02, 2.1173e+00, 4.1031e+00],  
 [1.3972e+01, 1.5679e-01, 1.1874e+00],  
 [3.9835e-01, 2.0065e-04, 5.6084e-02],  
 [3.9158e+01, 1.1347e-01, 1.5540e+00],  
 [5.7766e-03, 2.6214e-08, 9.0142e-04],  
 [9.9369e+00, 3.5493e-03, 6.4952e-01],  
 [2.0251e+02, 2.4904e+00, 3.8640e+00],  
 [3.0614e+00, 1.3211e-03, 2.9220e-01],  
 [2.0065e+00, 1.6245e-03, 1.7132e-01],  
 [2.6765e+01, 1.4537e-01, 1.9822e+00],  
 [4.8900e+01, 9.2454e-01, 1.5349e+00],  
 [1.9481e+01, 8.6623e-02, 6.8657e-01],  
 [3.9619e+01, 1.3958e-01, 1.9878e+00],  
 [5.0235e+01, 8.2959e-02, 1.1940e+00],  
 [6.2762e+01, 9.2121e-02, 2.8208e+00],  
 [4.8768e-01, 9.6173e-05, 5.9060e-02],  
 [2.0418e-01, 6.0248e-06, 1.9564e-02],  
 [1.1033e+01, 9.2431e-03, 5.7480e-01],  
 [3.8630e+00, 9.6072e-04, 3.8685e-01],  
 [6.9000e+01, 1.9718e-01, 1.6150e+00],  
 [2.9034e-01, 5.8666e-05, 3.9060e-02],  
 [6.5778e+01, 1.0759e-01, 3.4571e+00],  
 [4.9868e+00, 7.5361e-03, 5.3869e-01],  
 [1.9503e-01, 6.6747e-06, 2.7453e-02],  
 [7.9722e-01, 2.2500e-04, 7.6983e-02],  
 [2.1200e+00, 3.6912e-04, 1.2474e-01],  
 [7.6741e+01, 4.1236e-01, 3.0704e+00],  
 [5.2927e+00, 2.1171e-03, 5.0308e-01],  
 [1.0068e-01, 3.5730e-06, 1.1947e-02],  
 [6.8343e-01, 5.2897e-05, 4.7715e-02],  
 [9.1333e+00, 7.0509e-03, 6.2960e-01],

```

[2.7824e-01, 5.3869e-06, 3.0213e-02],
[4.3153e-03, 9.8589e-09, 6.8781e-04],
[1.9266e+00, 2.8856e-04, 2.0057e-01],
[7.6715e+00, 2.7499e-02, 7.0442e-01],
[8.6428e-02, 4.8747e-06, 1.0364e-02],
[1.8447e+02, 6.4148e+00, 3.5522e+00],
[2.4879e+01, 1.2281e-01, 9.6175e-01],
[4.0519e-01, 2.1422e-05, 3.0155e-02],
[1.5806e-01, 2.3551e-06, 1.8319e-02],
[4.3749e+00, 3.1478e-03, 2.1813e-01],
[1.1497e+02, 2.4287e+00, 3.5754e+00],
[7.0565e+00, 4.6276e-03, 3.2592e-01],
[4.2192e+00, 4.2432e-03, 3.5329e-01],
[1.2597e+01, 5.6937e-02, 6.0584e-01],
[6.5957e+01, 3.8032e-01, 3.0104e+00],
[8.4781e-01, 6.1153e-05, 8.9374e-02],
[2.6922e+00, 1.8701e-03, 1.9916e-01],
[1.7977e+01, 3.4613e-02, 1.1837e+00],
[4.0657e+01, 8.2255e-02, 1.0175e+00],
[3.2129e+01, 1.8350e-01, 1.3494e+00],
[3.0907e+01, 4.1753e-01, 1.5999e+00],
[1.0136e+01, 3.3574e-02, 1.1435e+00],
[8.7804e+01, 2.0821e-02, 3.0059e+00],
[5.2995e+00, 5.6964e-03, 5.8314e-01],
[1.0203e+01, 8.2259e-03, 4.2925e-01],
[1.1153e-01, 8.7165e-06, 1.3902e-02],
[7.4166e+01, 2.9183e-01, 3.3346e+00],
[2.2453e+00, 9.0871e-04, 1.9953e-01],
[9.0184e-01, 2.3232e-05, 5.8682e-02],
[3.0619e+01, 1.0250e-01, 1.7984e+00],
[1.6216e+01, 2.0686e-02, 5.5607e-01],
[6.0745e-02, 3.3100e-06, 7.6441e-03],
[5.2461e+01, 4.1904e-01, 1.2144e+00],
[4.5018e-02, 1.5833e-06, 6.0710e-03],
[3.0995e-01, 1.0060e-05, 3.2686e-02],
[6.8599e+01, 5.1272e-01, 2.2338e+00]], dtype=torch.float64)
Iteration: 173
Inputs: tensor([[5.4863e+18, 1.9690e+02, 4.3414e+00, 9.7978e+00],
               [8.4691e+19, 3.2400e+02, 2.5747e+00, 7.9086e+00],
               [2.2416e+19, 4.5423e+02, 3.2905e+00, 1.0257e+00],
               ...,
               [4.5458e+20, 4.6642e+01, 1.3055e+01, 6.5329e+00],
               [1.9155e+20, 2.9155e+02, 1.7352e+00, 2.6803e+00],
               [9.2761e+19, 1.0383e+02, 1.8943e+00, 9.5459e+00]], dtype=torch.float64)
Target: tensor([[1.6928e+00, 7.6277e-04, 1.2473e-01],
               [5.6687e+01, 3.2617e-01, 1.3117e+00],
               [8.3597e+00, 5.0908e-04, 4.4706e-01],
               [1.7540e+01, 3.0730e-02, 7.7211e-01],

```

[4.6050e-01, 6.6841e-05, 4.0292e-02],  
 [1.0834e-03, 1.3221e-10, 1.7577e-04],  
 [1.2158e+01, 2.8816e-02, 5.5839e-01],  
 [1.6430e-01, 1.4295e-05, 2.0260e-02],  
 [5.5151e+01, 8.0146e-01, 1.4749e+00],  
 [1.5455e+01, 7.5608e-03, 7.3200e-01],  
 [2.6663e-02, 3.4589e-07, 3.7216e-03],  
 [7.9574e+01, 7.7948e-01, 2.7112e+00],  
 [9.0164e+01, 2.4760e+00, 2.6497e+00],  
 [1.8819e+00, 4.4642e-04, 9.7528e-02],  
 [3.4347e+01, 5.4083e-02, 1.4033e+00],  
 [1.9438e+00, 4.9984e-04, 1.7113e-01],  
 [1.2936e+01, 3.0283e-02, 4.9349e-01],  
 [1.5651e+01, 2.6096e-02, 7.6269e-01],  
 [6.3246e-02, 2.2320e-06, 8.7694e-03],  
 [3.3154e+01, 8.4151e-02, 7.8493e-01],  
 [3.5256e+00, 1.4531e-03, 2.1012e-01],  
 [4.6312e+01, 2.7737e-01, 2.4815e+00],  
 [2.2791e+01, 2.7755e-02, 9.4291e-01],  
 [3.1642e-01, 4.2230e-06, 3.1290e-02],  
 [1.3259e+01, 5.2745e-02, 6.9187e-01],  
 [4.6161e+01, 4.4623e-01, 1.5310e+00],  
 [6.9971e+01, 3.2913e-01, 2.8098e+00],  
 [2.1826e+01, 2.0834e-01, 1.2262e+00],  
 [1.5257e+02, 2.9127e-01, 3.3113e+00],  
 [1.1171e+01, 3.3321e-02, 5.6211e-01],  
 [1.7304e+01, 4.1830e-02, 9.2772e-01],  
 [1.6164e+01, 1.0514e-02, 1.0311e+00],  
 [4.8663e-01, 1.6439e-04, 6.0109e-02],  
 [2.1022e+01, 8.2297e-02, 6.9112e-01],  
 [2.1171e+01, 4.4384e-02, 7.4282e-01],  
 [2.7708e-01, 2.1140e-05, 3.3638e-02],  
 [1.5993e+01, 8.9963e-02, 8.1576e-01],  
 [9.5679e+00, 3.9115e-02, 6.0502e-01],  
 [6.3746e+01, 1.1107e+00, 2.1831e+00],  
 [1.6107e+02, 1.5474e+00, 2.7980e+00],  
 [3.2970e+01, 1.0780e-01, 1.9443e+00],  
 [1.5106e+02, 4.1012e+00, 3.7187e+00],  
 [8.4786e-01, 1.7486e-04, 8.1879e-02],  
 [3.4329e+01, 5.4160e-01, 1.8210e+00],  
 [4.9663e+01, 5.1293e-01, 1.8424e+00],  
 [6.2024e-01, 1.6953e-05, 4.7234e-02],  
 [7.7406e-01, 1.0683e-04, 8.5570e-02],  
 [1.3623e+01, 9.1840e-02, 6.8793e-01],  
 [8.0522e+01, 2.3151e-01, 1.7336e+00],  
 [1.4581e+00, 1.7053e-04, 1.4457e-01],  
 [4.7585e+00, 1.1169e-03, 5.3773e-01],  
 [2.6168e+00, 3.1472e-04, 1.7589e-01],

[7.8614e-01, 8.2877e-05, 9.9937e-02],  
 [6.8293e+01, 2.4389e-01, 3.4262e+00],  
 [1.0950e-03, 1.4587e-09, 1.7668e-04],  
 [2.1032e-03, 9.2163e-10, 3.3667e-04],  
 [8.9911e-02, 8.1071e-07, 1.2142e-02],  
 [3.0907e+01, 2.3384e-01, 2.5000e+00],  
 [3.3085e+00, 4.9915e-03, 2.8952e-01],  
 [7.9241e-02, 1.7791e-06, 1.0527e-02],  
 [9.0020e+01, 2.4805e-01, 3.4154e+00],  
 [4.7614e-01, 5.1560e-05, 5.1846e-02],  
 [1.4828e+01, 2.9608e-02, 1.2608e+00],  
 [1.7637e+02, 6.7762e+00, 3.8703e+00],  
 [1.6413e-01, 4.7683e-06, 2.3651e-02],  
 [2.3053e+01, 7.7717e-02, 1.2609e+00],  
 [1.7118e+00, 4.3391e-04, 9.2911e-02],  
 [1.0108e+01, 4.7203e-02, 7.1665e-01],  
 [7.2919e+00, 6.4766e-03, 7.6888e-01],  
 [6.0794e-01, 8.2941e-05, 4.5891e-02],  
 [7.7213e-02, 1.3933e-06, 9.5043e-03],  
 [4.8636e+01, 1.3758e-01, 2.1267e+00],  
 [4.1046e+00, 2.1930e-03, 3.4217e-01],  
 [2.1097e-01, 2.1739e-05, 2.1002e-02],  
 [6.2099e+00, 5.4384e-03, 4.4389e-01],  
 [5.9946e+01, 2.3050e-01, 1.7016e+00],  
 [2.7537e+02, 1.2630e+00, 4.4762e+00],  
 [3.5308e+01, 3.7037e-01, 1.6463e+00],  
 [5.7474e+00, 8.1945e-03, 3.3742e-01],  
 [9.2182e-01, 5.8068e-05, 6.4428e-02],  
 [2.9388e+01, 7.3043e-02, 1.5125e+00],  
 [1.3624e+02, 3.1598e+00, 4.4684e+00],  
 [8.1799e+00, 2.4968e-02, 5.6807e-01],  
 [2.4170e-02, 2.2773e-07, 3.4403e-03],  
 [1.7587e+01, 4.5393e-02, 6.8259e-01],  
 [2.4914e+02, 3.6859e+00, 4.7385e+00],  
 [4.8697e+00, 8.6863e-03, 3.2803e-01],  
 [1.5657e+00, 6.7345e-04, 1.1772e-01],  
 [1.5315e-01, 3.0122e-06, 2.0718e-02],  
 [2.2074e-02, 4.8344e-08, 3.1743e-03],  
 [1.7968e+01, 2.1410e-02, 1.2905e+00],  
 [1.0779e+01, 1.4705e-02, 4.1724e-01],  
 [3.4008e+00, 8.2033e-04, 2.0735e-01],  
 [4.8795e-02, 1.2553e-06, 6.9484e-03],  
 [1.1301e+00, 8.8735e-05, 6.1904e-02],  
 [2.8317e+01, 4.8346e-02, 1.1455e+00],  
 [9.3084e+01, 2.1040e+00, 2.6316e+00],  
 [4.9390e-02, 2.7747e-06, 6.5311e-03],  
 [1.4479e+00, 3.1870e-03, 1.7680e-01],  
 [8.0534e+00, 3.4764e-02, 6.0201e-01],



[3.8925e+00, 2.6452e-03, 4.3752e-01],  
[1.4488e-01, 1.4605e-05, 1.5691e-02],  
[1.7322e-02, 2.8581e-08, 2.7059e-03],  
[1.9248e-02, 1.0959e-07, 3.0609e-03],  
[5.4115e-01, 1.7353e-05, 4.4340e-02],  
[1.2906e+02, 2.9429e+00, 3.1838e+00],  
[1.7701e-02, 2.6383e-08, 2.6604e-03],  
[1.0705e+00, 3.2844e-04, 7.3849e-02],  
[1.3519e+01, 6.5669e-02, 5.7424e-01],  
[2.4767e-02, 6.6689e-07, 3.6447e-03],  
[2.4748e+02, 5.6975e+00, 3.8711e+00],  
[4.3852e-02, 1.3104e-06, 5.7377e-03],  
[3.2015e-01, 1.8594e-05, 3.8478e-02],  
[1.4163e+01, 1.8384e-02, 6.3397e-01],  
[1.0033e+00, 1.0111e-03, 1.3298e-01],  
[3.0689e+01, 1.7994e-01, 1.3623e+00],  
[1.2311e+01, 1.3982e-02, 7.5815e-01],  
[9.4022e+01, 2.7893e+00, 3.6996e+00],  
[1.1204e+02, 9.6073e-01, 4.1616e+00],  
[7.0619e-01, 1.6618e-04, 6.9886e-02],  
[1.1728e+02, 3.1209e+00, 3.0370e+00],  
[2.3553e+01, 4.4361e-02, 1.3695e+00],  
[7.9021e+01, 7.7636e-01, 3.3008e+00],  
[1.4826e-01, 1.3345e-05, 1.8675e-02],  
[2.3096e+00, 8.6773e-04, 1.2726e-01],  
[7.2879e+00, 2.5730e-03, 3.8454e-01],  
[6.4959e-01, 1.6817e-04, 6.2894e-02],  
[8.9353e+01, 5.9033e-01, 2.6815e+00],  
[5.3050e+01, 4.2454e-01, 1.2212e+00],  
[1.7240e-01, 2.9371e-06, 2.1592e-02],  
[5.5025e-02, 2.1314e-06, 7.0352e-03],  
[1.1509e-03, 1.1951e-09, 1.8667e-04],  
[1.3029e+01, 4.8469e-02, 9.0144e-01],  
[1.4548e+02, 3.4031e+00, 2.6930e+00],  
[1.8066e+01, 7.1162e-02, 9.2232e-01],  
[2.3166e-02, 1.3440e-07, 3.4033e-03],  
[5.4317e+01, 1.6613e-01, 1.7422e+00],  
[1.1630e-01, 2.2571e-06, 1.4616e-02],  
[6.0037e+00, 6.5937e-03, 3.7444e-01],  
[3.5821e+01, 2.6530e-01, 2.3012e+00],  
[5.2475e-01, 1.1853e-04, 6.1812e-02],  
[1.3388e-01, 1.1168e-06, 1.4508e-02],  
[9.8445e-01, 2.5402e-04, 7.9005e-02],  
[1.8363e+02, 3.3954e+00, 4.2423e+00],  
[2.0422e-01, 2.1517e-05, 2.2805e-02],  
[9.2245e+00, 2.4600e-02, 7.6744e-01],  
[6.2891e-01, 1.8079e-05, 6.6002e-02],  
[1.1177e-03, 1.9376e-10, 1.8079e-04],

[3.2687e-01, 2.3341e-05, 3.2025e-02],  
[1.9509e+00, 1.9567e-03, 1.8365e-01],  
[2.6090e+00, 1.3017e-03, 2.5466e-01],  
[1.2069e+00, 4.1126e-04, 1.3315e-01],  
[9.1070e+00, 5.3727e-03, 3.8072e-01],  
[9.8947e+01, 1.2318e+00, 3.0589e+00],  
[9.0713e+00, 3.1004e-03, 3.3925e-01],  
[2.4231e-01, 4.6231e-05, 3.3782e-02],  
[5.4825e+01, 3.9887e-01, 1.3271e+00],  
[1.5167e+00, 1.4324e-04, 1.2076e-01],  
[1.4552e+02, 9.2025e-01, 3.3788e+00],  
[1.9027e+02, 4.4607e+00, 3.1866e+00],  
[1.0638e+00, 1.9968e-04, 6.7193e-02],  
[1.2887e+01, 4.1026e-02, 4.8502e-01],  
[5.2602e-01, 4.8684e-05, 6.4023e-02],  
[2.7431e+01, 6.3227e-02, 7.4303e-01],  
[3.4403e+01, 1.6151e-01, 1.3030e+00],  
[2.6015e+01, 1.0378e-01, 1.1731e+00],  
[5.7430e+01, 8.2352e-01, 2.1791e+00],  
[1.1662e+00, 2.4883e-04, 1.6877e-01],  
[1.0280e+00, 7.8403e-04, 1.2340e-01],  
[2.3973e-01, 6.9632e-06, 2.8479e-02],  
[4.0299e+01, 1.0113e-01, 2.2141e+00],  
[1.9393e+00, 3.4163e-04, 1.3119e-01],  
[2.2695e+01, 7.7236e-02, 8.7099e-01],  
[4.7051e-04, 2.7404e-11, 7.6727e-05],  
[1.6891e+01, 2.1584e-02, 1.5433e+00],  
[1.1364e+02, 6.4414e-02, 3.6916e+00],  
[5.3179e-01, 5.9160e-05, 5.7434e-02],  
[4.4393e+01, 1.9774e-01, 1.8288e+00],  
[4.2251e-01, 9.9894e-07, 3.5349e-02],  
[1.6314e+00, 4.9097e-04, 1.3893e-01],  
[5.4486e-02, 5.5999e-08, 7.1368e-03],  
[1.1742e+01, 4.3051e-02, 5.3138e-01],  
[3.3204e-01, 5.4866e-05, 3.6688e-02],  
[3.1644e+01, 1.3229e-01, 7.7200e-01],  
[5.3941e+01, 5.1962e-01, 1.5524e+00],  
[9.5476e-02, 9.7193e-07, 1.4804e-02],  
[6.8450e-02, 6.3324e-06, 1.0059e-02],  
[9.4976e+00, 1.8895e-02, 6.4364e-01],  
[2.9577e-01, 3.1607e-05, 2.9238e-02],  
[1.8859e+02, 1.2117e+00, 4.8167e+00],  
[1.4741e+01, 5.0609e-02, 1.3863e+00],  
[1.3741e+01, 2.2401e-03, 6.1652e-01],  
[3.1610e+01, 1.7523e-01, 2.3554e+00],  
[1.0783e+02, 4.1111e-01, 2.0578e+00],  
[3.2211e+01, 1.9795e-02, 9.3780e-01],  
[1.1802e-02, 4.3757e-08, 1.7907e-03],

[3.2911e-01, 1.1617e-05, 2.7688e-02],  
 [6.7383e+00, 5.7274e-03, 4.0063e-01],  
 [3.3047e+01, 1.4186e-02, 1.6065e+00],  
 [2.3659e+01, 1.8913e-01, 1.2071e+00],  
 [6.0776e-01, 5.9916e-05, 8.6214e-02],  
 [1.6959e-01, 2.0629e-06, 1.8310e-02],  
 [1.5957e+01, 5.6709e-02, 7.9044e-01],  
 [8.9895e+00, 3.2358e-02, 4.5290e-01],  
 [8.7670e-03, 9.7747e-09, 1.3657e-03],  
 [2.3038e+01, 1.0295e-01, 6.9710e-01],  
 [4.7030e-01, 4.6966e-05, 4.0066e-02],  
 [2.3130e+00, 4.3640e-04, 1.4469e-01],  
 [2.1191e+00, 4.4435e-04, 1.4675e-01],  
 [2.7898e-02, 8.9643e-07, 4.0766e-03],  
 [1.1507e+02, 6.5754e-01, 3.7360e+00],  
 [7.0691e+01, 2.0598e-01, 1.6953e+00],  
 [5.5348e+01, 3.4059e-02, 2.1795e+00],  
 [9.0212e-02, 4.0231e-06, 1.1612e-02],  
 [4.3772e+01, 4.3186e-01, 2.4668e+00],  
 [9.8558e+01, 2.5525e-01, 1.6296e+00],  
 [1.1523e+02, 9.8283e-02, 2.4752e+00],  
 [1.1895e-01, 2.2634e-06, 1.3548e-02],  
 [3.9301e-01, 5.9841e-05, 4.3578e-02],  
 [1.4472e+02, 2.4688e+00, 4.4559e+00],  
 [2.1849e-01, 5.3294e-06, 2.6495e-02],  
 [2.8312e+00, 3.1907e-03, 2.1635e-01],  
 [8.0426e+01, 1.6614e+00, 2.6702e+00],  
 [8.8158e-02, 9.9164e-06, 1.2986e-02],  
 [2.0589e+00, 6.7965e-05, 1.5011e-01],  
 [6.6285e+01, 7.2322e-01, 3.7178e+00],  
 [5.7492e-01, 1.1672e-04, 4.5241e-02],  
 [1.9072e+00, 1.2954e-03, 1.3509e-01],  
 [1.2915e+01, 6.0053e-02, 6.5170e-01],  
 [5.8264e-01, 7.9724e-05, 6.6411e-02],  
 [4.5386e+00, 1.1803e-02, 5.1331e-01],  
 [2.0040e-03, 1.7774e-09, 3.2473e-04],  
 [1.9303e+01, 9.4834e-02, 6.9134e-01],  
 [2.5493e+01, 9.6306e-03, 8.0487e-01],  
 [1.5786e+02, 5.8671e+00, 4.2781e+00],  
 [7.4204e+00, 1.4669e-02, 4.5603e-01],  
 [1.0994e+02, 1.8250e+00, 3.8256e+00],  
 [3.7717e+01, 4.3781e-02, 1.2731e+00],  
 [3.0473e+01, 2.7489e-01, 1.0801e+00],  
 [2.1263e+00, 8.4736e-04, 1.4901e-01],  
 [1.0920e+02, 1.0869e+00, 1.8758e+00],  
 [1.0937e+00, 5.8112e-05, 9.0727e-02],  
 [6.7298e+01, 1.0425e-01, 2.1004e+00],  
 [8.5548e-01, 9.4772e-05, 7.3504e-02],

[2.1392e+02, 7.6996e+00, 4.5036e+00],  
 [3.3128e-01, 4.9486e-05, 4.0959e-02],  
 [1.0385e-01, 5.3624e-06, 1.3008e-02],  
 [2.7358e-03, 7.1819e-09, 4.3610e-04],  
 [8.5410e-01, 2.2733e-04, 6.2180e-02],  
 [6.5463e-01, 1.4059e-04, 9.1386e-02],  
 [1.8963e-04, 4.2563e-12, 3.1205e-05],  
 [2.9242e-01, 1.9691e-05, 3.0453e-02],  
 [2.2160e+01, 8.6611e-02, 1.6023e+00],  
 [4.0554e+00, 1.3431e-03, 2.1246e-01],  
 [7.1726e+00, 2.3113e-03, 3.4213e-01],  
 [3.2569e+00, 2.4582e-03, 2.7960e-01],  
 [4.1739e+01, 5.2155e-02, 2.5642e+00],  
 [3.2006e+00, 7.5518e-04, 1.6071e-01],  
 [1.5533e+02, 1.6622e+00, 3.2540e+00],  
 [5.7075e-01, 7.0406e-06, 5.8688e-02],  
 [1.2231e+00, 7.3716e-04, 1.0331e-01],  
 [4.7239e+00, 6.0480e-03, 3.3728e-01],  
 [4.1703e+01, 2.4941e-01, 2.9457e+00],  
 [1.1652e+01, 1.9395e-02, 4.4481e-01],  
 [1.3502e+02, 4.1856e-01, 4.2313e+00],  
 [6.1322e+01, 9.0246e-01, 2.6847e+00],  
 [1.3876e-02, 4.7522e-08, 2.0305e-03],  
 [1.4673e+01, 1.5344e-02, 4.8449e-01],  
 [2.3325e+01, 8.5709e-02, 1.2531e+00],  
 [1.6488e+02, 4.9711e+00, 3.7889e+00],  
 [3.1974e+01, 3.1749e-01, 2.3399e+00],  
 [2.0630e+02, 2.1719e+00, 4.5976e+00],  
 [1.3670e+02, 3.0695e+00, 2.7372e+00],  
 [1.7890e+01, 2.1894e-02, 6.9873e-01],  
 [5.5403e-03, 2.0704e-08, 8.7824e-04],  
 [5.4206e-02, 2.9392e-06, 7.7247e-03],  
 [1.4309e+01, 3.1434e-02, 6.3739e-01],  
 [5.3069e+01, 1.8495e-01, 1.6901e+00],  
 [3.0947e+01, 1.7032e-01, 1.3118e+00],  
 [4.7594e+00, 6.0844e-03, 4.2366e-01],  
 [3.6684e-01, 5.4896e-05, 4.1179e-02],  
 [5.5464e+01, 3.8763e-01, 1.8339e+00],  
 [1.6747e+00, 9.7687e-04, 1.4610e-01],  
 [6.3249e+00, 4.7834e-03, 3.9112e-01],  
 [3.7423e+00, 1.7137e-03, 3.4611e-01],  
 [3.3341e-02, 8.2093e-07, 5.0038e-03],  
 [7.0660e-02, 7.9140e-07, 1.0414e-02],  
 [1.1146e+02, 2.1280e-01, 2.5553e+00],  
 [2.0717e+01, 4.6281e-02, 7.0547e-01],  
 [5.9702e+00, 1.9337e-02, 4.2910e-01],  
 [7.0546e+00, 1.6719e-02, 6.2792e-01],  
 [1.9302e+01, 4.7150e-02, 1.0003e+00],

```

[5.5423e+01, 6.3503e-01, 2.1863e+00],
[3.7300e+01, 1.9152e-01, 1.0719e+00],
[8.6113e-02, 9.8957e-07, 1.1910e-02],
[4.8886e-01, 1.0689e-04, 5.6656e-02],
[2.8678e-01, 1.2373e-05, 3.2243e-02],
[2.1440e+00, 1.1262e-03, 2.2107e-01],
[6.4332e-02, 7.0983e-06, 9.5647e-03],
[1.4232e+00, 4.5561e-04, 1.0179e-01],
[1.4531e-01, 3.2809e-06, 1.7428e-02],
[2.3627e+01, 8.8477e-02, 9.4252e-01],
[2.3055e-02, 1.4624e-07, 3.4430e-03],
[8.4577e+01, 5.5752e-01, 3.3218e+00],
[1.4266e-02, 9.1546e-08, 2.2526e-03],
[1.0659e+02, 1.2573e+00, 3.2069e+00],
[1.6312e+00, 5.3870e-04, 1.5331e-01],
[5.3223e-02, 5.8753e-07, 7.1337e-03],
[3.7865e-02, 1.0682e-06, 5.5853e-03],
[7.0022e-01, 2.4778e-04, 6.1049e-02],
[3.3827e-01, 1.4042e-05, 3.6915e-02],
[8.2262e+01, 4.5828e-01, 3.3436e+00],
[4.5792e+01, 6.5586e-01, 2.4066e+00],
[1.4460e+00, 3.6241e-04, 1.3736e-01],
[3.4008e+00, 1.5278e-03, 2.1319e-01],
[5.6533e-01, 1.9148e-04, 5.5052e-02],
[3.4603e+01, 9.2423e-02, 1.5869e+00],
[1.4077e+01, 9.3679e-02, 1.3108e+00],
[8.2508e+01, 9.5019e-02, 2.0591e+00],
[2.8029e+01, 1.4624e-01, 1.1932e+00]], dtype=torch.float64)
Iteration: 174
Inputs: tensor([[4.5918e+20, 2.7369e+02, 6.4621e+00, 2.2566e+00],
[1.9079e+20, 3.5411e+02, 1.2029e+01, 9.0666e+00],
[1.0431e+18, 4.0067e+02, 1.5380e+01, 9.3842e+00],
...,
[6.6714e+20, 3.2400e+02, 6.6397e+00, 6.1991e+00],
[4.7318e+20, 4.6980e+02, 6.7656e+00, 1.6236e+00],
[9.5384e+18, 3.6235e+02, 1.2859e+01, 5.2912e+00]], dtype=torch.float64)
Target: tensor([[8.0163e+01, 1.7416e-01, 3.0185e+00],
[7.5074e+01, 1.2969e+00, 2.0294e+00],
[1.7113e-01, 1.9557e-05, 1.7334e-02],
[3.8494e-01, 4.5380e-05, 4.2990e-02],
[6.5329e-02, 9.3965e-07, 9.5558e-03],
[4.2378e-03, 1.1382e-08, 6.6123e-04],
[1.7497e+00, 7.1579e-04, 1.2851e-01],
[7.9792e+00, 1.0158e-02, 6.7115e-01],
[6.9235e+00, 3.3120e-02, 5.0824e-01],
[2.1719e+00, 2.2051e-03, 1.7819e-01],
[1.0910e+00, 1.8038e-04, 8.4630e-02],
[2.8269e+00, 2.0724e-03, 2.1147e-01],

```

[1.5698e+02, 3.2061e+00, 3.9785e+00],  
[1.0050e+01, 5.6103e-03, 1.1229e+00],  
[5.5915e+00, 1.3537e-02, 5.1684e-01],  
[1.6310e+00, 3.2530e-04, 1.2409e-01],  
[6.2344e+01, 9.1592e-01, 1.6095e+00],  
[7.3871e+01, 4.4288e-01, 2.4708e+00],  
[8.1998e+01, 7.9514e-01, 2.2959e+00],  
[1.7983e+00, 1.7326e-04, 1.1509e-01],  
[1.6189e+01, 1.8266e-02, 1.3502e+00],  
[1.9650e-01, 1.6221e-05, 2.4917e-02],  
[1.2478e-01, 8.4910e-06, 1.3662e-02],  
[5.2694e+01, 8.3784e-01, 2.1569e+00],  
[1.6287e+02, 1.9604e+00, 3.4324e+00],  
[2.5511e+01, 7.8849e-02, 1.3487e+00],  
[4.2621e+01, 1.7012e-01, 8.6178e-01],  
[3.6180e-01, 5.0257e-05, 3.1534e-02],  
[5.5419e-01, 2.0521e-04, 6.1439e-02],  
[2.0629e-02, 5.2312e-08, 3.2107e-03],  
[3.2650e+00, 3.3303e-04, 3.1318e-01],  
[7.8616e-02, 2.5389e-06, 1.1391e-02],  
[9.4338e+01, 4.3640e-01, 2.1618e+00],  
[1.0502e-01, 2.4071e-06, 1.5619e-02],  
[1.0557e+02, 1.4475e+00, 3.0377e+00],  
[8.0017e+01, 1.6392e+00, 2.6563e+00],  
[9.9140e+01, 2.0906e+00, 2.8283e+00],  
[2.3119e+01, 1.7714e-02, 1.1586e+00],  
[9.4985e+00, 1.2547e-02, 4.6965e-01],  
[3.9173e+01, 4.6607e-01, 1.1903e+00],  
[3.5466e+00, 1.4794e-03, 2.1980e-01],  
[4.1713e+01, 6.0608e-02, 2.6712e+00],  
[1.5970e+02, 6.3082e+00, 3.6198e+00],  
[1.7021e+00, 3.8710e-04, 9.3008e-02],  
[1.3772e+01, 2.0613e-03, 5.2788e-01],  
[5.2853e+01, 3.5084e-01, 1.8039e+00],  
[1.2372e+00, 4.5555e-04, 1.1686e-01],  
[2.4306e+02, 4.3177e+00, 4.6284e+00],  
[9.1278e+01, 7.6835e-01, 1.7576e+00],  
[1.1148e-01, 3.8165e-06, 1.6044e-02],  
[4.5690e-01, 4.7891e-05, 4.1850e-02],  
[1.8523e+01, 8.4067e-03, 6.2976e-01],  
[1.1476e+01, 3.2425e-02, 7.1475e-01],  
[3.5342e-02, 5.3533e-07, 4.7773e-03],  
[6.4613e+01, 3.2560e-01, 2.5571e+00],  
[8.8564e-02, 1.5992e-06, 1.0551e-02],  
[5.8126e+00, 6.5378e-03, 3.4387e-01],  
[1.8276e+01, 3.5155e-02, 6.2433e-01],  
[6.6209e+01, 1.8067e-01, 2.9240e+00],  
[3.7815e+01, 3.1901e-01, 1.5793e+00],

[9.5938e+00, 4.6195e-03, 7.0091e-01],  
 [2.8220e+00, 1.0997e-03, 1.7628e-01],  
 [2.0340e+01, 6.0707e-02, 8.7713e-01],  
 [7.2844e-01, 1.6835e-04, 7.5609e-02],  
 [6.7097e+01, 1.3470e+00, 2.0710e+00],  
 [7.1034e+01, 1.7616e-01, 1.8686e+00],  
 [5.8406e-02, 6.9204e-07, 8.1915e-03],  
 [9.4505e-01, 3.8543e-04, 9.5054e-02],  
 [1.9822e-01, 7.5252e-07, 2.1304e-02],  
 [8.0391e-01, 2.3449e-04, 9.0301e-02],  
 [2.3410e+01, 1.4992e-01, 1.0420e+00],  
 [2.9466e+00, 5.4557e-03, 2.4848e-01],  
 [3.9446e+00, 1.2632e-03, 2.5065e-01],  
 [2.4357e-01, 9.9543e-06, 2.6712e-02],  
 [6.5028e+00, 1.0947e-02, 4.0126e-01],  
 [8.8962e+00, 8.1108e-03, 5.4231e-01],  
 [2.3987e-01, 3.6027e-05, 2.5997e-02],  
 [3.5598e-01, 3.8538e-05, 3.2303e-02],  
 [3.1317e+02, 6.7109e+00, 4.8912e+00],  
 [3.2082e+01, 1.0498e-01, 2.5704e+00],  
 [1.9791e-01, 3.2521e-05, 2.5511e-02],  
 [4.6358e-01, 7.1515e-05, 4.6500e-02],  
 [6.5621e+00, 2.4960e-02, 4.7296e-01],  
 [1.4473e+00, 8.3718e-05, 1.3838e-01],  
 [9.0326e+01, 1.5010e-01, 3.8362e+00],  
 [1.9626e+01, 7.1793e-02, 1.7533e+00],  
 [3.5985e+00, 1.3075e-03, 2.2280e-01],  
 [2.1484e+00, 4.9295e-04, 1.5260e-01],  
 [3.4882e+01, 4.4382e-01, 2.1119e+00],  
 [3.5274e-01, 3.1123e-05, 3.2574e-02],  
 [3.7190e+00, 1.2445e-03, 1.7969e-01],  
 [5.6685e+01, 4.3278e-01, 1.2125e+00],  
 [1.0451e+00, 1.5561e-04, 1.1003e-01],  
 [3.3085e+01, 3.5775e-01, 1.8561e+00],  
 [1.4176e+02, 1.3267e+00, 3.2641e+00],  
 [1.7634e-02, 2.2530e-07, 2.5629e-03],  
 [1.5198e+00, 1.0607e-03, 1.6269e-01],  
 [6.9415e+00, 1.6007e-02, 4.0472e-01],  
 [7.3268e+00, 1.5518e-02, 3.5848e-01],  
 [7.0375e-03, 1.1335e-08, 1.0826e-03],  
 [9.4678e-01, 6.5191e-04, 1.0752e-01],  
 [6.8703e+01, 7.5285e-01, 1.5950e+00],  
 [1.0566e-01, 2.1840e-07, 1.2284e-02],  
 [2.2149e+01, 9.6422e-02, 9.2776e-01],  
 [1.9508e+00, 5.0563e-04, 1.0428e-01],  
 [1.3576e+01, 1.1622e-02, 8.5764e-01],  
 [1.3106e+02, 3.9532e+00, 2.9448e+00],  
 [3.7495e+00, 5.4471e-03, 2.8355e-01],

[7.4431e+00, 4.9034e-03, 3.4785e-01],  
[1.3557e-01, 1.6608e-05, 1.7518e-02],  
[4.4833e+01, 5.1743e-01, 2.4053e+00],  
[2.8179e+01, 1.9393e-01, 1.4004e+00],  
[9.6793e+01, 1.6489e+00, 2.3586e+00],  
[4.0928e+01, 2.1965e-01, 9.2529e-01],  
[2.1930e+00, 1.2603e-03, 1.4821e-01],  
[6.3781e-01, 3.3080e-05, 4.9417e-02],  
[2.7093e-01, 3.2106e-05, 2.4924e-02],  
[8.1546e-01, 6.4192e-05, 7.7881e-02],  
[2.4166e-02, 2.8575e-07, 3.4277e-03],  
[1.1345e-01, 5.5104e-06, 1.3472e-02],  
[1.2460e+02, 1.0624e+00, 4.1255e+00],  
[2.0874e-02, 3.6271e-07, 2.9663e-03],  
[2.7172e-01, 8.9095e-05, 3.8717e-02],  
[4.3458e+01, 2.9390e-01, 1.3856e+00],  
[1.9419e+00, 7.7901e-04, 1.6511e-01],  
[1.1571e+00, 3.2339e-04, 1.0507e-01],  
[5.8940e+01, 1.0004e+00, 2.4856e+00],  
[7.2957e-01, 2.5327e-05, 5.6929e-02],  
[7.4762e+01, 3.4506e-01, 1.4876e+00],  
[2.9913e+00, 1.2496e-03, 1.6528e-01],  
[6.8022e+00, 2.1596e-03, 5.1586e-01],  
[1.9093e+00, 5.6013e-04, 1.1484e-01],  
[7.8285e-02, 1.5017e-06, 1.0272e-02],  
[6.0730e+00, 3.2621e-03, 2.9407e-01],  
[1.1916e+02, 8.5806e-01, 2.3705e+00],  
[3.0326e+01, 7.4511e-02, 9.3856e-01],  
[2.8803e+01, 2.3952e-01, 1.3537e+00],  
[1.4510e+02, 1.5273e+00, 4.0221e+00],  
[1.0566e+01, 9.2887e-03, 7.0815e-01],  
[1.6347e+01, 7.1649e-02, 9.0285e-01],  
[1.4163e+01, 6.2326e-02, 6.1476e-01],  
[1.5553e+01, 6.9816e-02, 7.2504e-01],  
[1.8247e+01, 7.1570e-02, 7.7028e-01],  
[6.0703e+01, 5.8986e-01, 2.2083e+00],  
[2.8272e-01, 1.3207e-05, 4.0423e-02],  
[4.3621e+01, 2.6777e-01, 1.0949e+00],  
[5.1519e+00, 3.3343e-03, 3.6835e-01],  
[1.8526e+00, 6.4580e-04, 1.4375e-01],  
[6.5723e+00, 5.7709e-03, 5.2254e-01],  
[3.9746e+00, 3.9178e-04, 1.9560e-01],  
[4.7812e+01, 2.4246e-01, 1.0450e+00],  
[2.4675e-01, 1.9704e-05, 2.7521e-02],  
[4.5597e-01, 7.8512e-05, 5.6709e-02],  
[1.2583e+02, 1.1629e+00, 2.1346e+00],  
[5.1535e-01, 6.1369e-05, 5.8600e-02],  
[1.6264e-01, 2.7336e-05, 2.0173e-02],



[7.9253e+00, 2.4152e-02, 5.1881e-01],  
[3.2637e-03, 3.2215e-09, 5.1124e-04],  
[4.1922e+01, 4.7902e-01, 1.4094e+00],  
[1.5503e+02, 3.5421e+00, 3.7637e+00],  
[9.7016e+00, 5.3496e-03, 3.2933e-01],  
[3.3762e+00, 2.6422e-03, 2.4733e-01],  
[1.8435e+01, 4.0962e-02, 6.4663e-01],  
[6.9804e+00, 1.8218e-03, 2.9768e-01],  
[2.3180e-01, 1.6793e-05, 2.4867e-02],  
[2.9686e+00, 2.5317e-03, 2.6401e-01],  
[5.7548e+01, 1.6394e-01, 2.2809e+00],  
[1.0169e+01, 5.6610e-03, 4.2991e-01],  
[8.8960e-01, 6.5851e-04, 1.1176e-01],  
[2.3529e+01, 7.9223e-02, 8.3959e-01],  
[6.5678e+01, 6.6929e-02, 1.3649e+00],  
[2.8528e+01, 1.1751e-01, 7.4618e-01],  
[3.3939e+01, 2.2670e-03, 8.0117e-01],  
[2.3023e+00, 1.3671e-03, 1.5662e-01],  
[8.8490e-02, 5.5256e-06, 1.2587e-02],  
[6.7312e+01, 3.8442e-01, 1.4688e+00],  
[3.9683e+01, 4.1912e-01, 2.4808e+00],  
[1.2840e-01, 4.6138e-06, 1.6485e-02],  
[4.7443e-03, 1.5555e-09, 7.3893e-04],  
[1.3564e+00, 5.1640e-04, 9.8088e-02],  
[1.3622e-01, 4.3466e-06, 1.9603e-02],  
[3.3607e+01, 2.0410e-01, 1.2078e+00],  
[1.8833e+01, 4.3667e-02, 5.4583e-01],  
[1.6152e+02, 3.3824e+00, 4.7429e+00],  
[1.0278e+01, 2.0223e-03, 4.7943e-01],  
[6.9713e-01, 2.1367e-05, 7.6523e-02],  
[2.7537e+00, 6.6544e-04, 2.4011e-01],  
[5.5566e+01, 1.9472e-01, 1.2634e+00],  
[2.3843e-01, 1.7562e-05, 2.6330e-02],  
[3.7270e+01, 2.3261e-02, 1.4598e+00],  
[6.9576e-02, 1.1257e-06, 9.6027e-03],  
[6.0502e-02, 7.0577e-07, 8.3158e-03],  
[1.2567e+01, 1.2018e-02, 4.0419e-01],  
[1.5192e+02, 6.1185e+00, 3.8810e+00],  
[1.6493e+01, 9.0182e-02, 1.5778e+00],  
[2.0375e-01, 5.5265e-06, 2.8057e-02],  
[2.5597e+01, 2.1599e-02, 1.1645e+00],  
[1.1948e-01, 1.9215e-06, 1.7767e-02],  
[4.7259e+01, 7.2929e-01, 2.8530e+00],  
[8.4093e+01, 2.2178e+00, 2.2897e+00],  
[1.2761e+01, 6.9528e-02, 7.5186e-01],  
[7.4067e+01, 3.3985e-01, 2.8645e+00],  
[4.4260e+00, 2.6056e-03, 2.4099e-01],  
[3.5764e+01, 1.4169e-01, 2.6806e+00],

[2.8182e-01, 2.2839e-05, 3.0029e-02],  
[1.7268e+00, 7.0917e-04, 1.4164e-01],  
[8.2377e-01, 1.0671e-04, 1.0375e-01],  
[1.3162e+01, 1.1879e-02, 7.1494e-01],  
[1.4100e+02, 3.2691e+00, 4.2034e+00],  
[6.6732e-01, 8.6818e-05, 6.1094e-02],  
[1.2483e+00, 1.6752e-03, 1.6401e-01],  
[5.0788e+00, 2.0081e-03, 3.6973e-01],  
[8.8842e+00, 1.9577e-02, 4.8167e-01],  
[9.9824e-02, 2.5600e-06, 1.2740e-02],  
[1.0438e+02, 5.1000e-01, 2.6407e+00],  
[4.6604e+01, 4.1924e-01, 1.8687e+00],  
[2.7606e+02, 7.0270e+00, 5.0530e+00],  
[3.1985e+00, 7.6918e-04, 2.0921e-01],  
[3.4048e+01, 1.9239e-01, 1.2302e+00],  
[8.1438e+01, 3.6325e-01, 2.2060e+00],  
[1.9876e+00, 3.6479e-04, 1.2053e-01],  
[1.9244e+01, 3.8555e-02, 7.0753e-01],  
[1.0894e+02, 8.2429e-01, 3.3249e+00],  
[8.6786e+01, 8.3181e-01, 2.3698e+00],  
[1.5284e+01, 1.0992e-01, 1.2260e+00],  
[1.0683e+00, 2.5059e-04, 8.2268e-02],  
[5.9996e+01, 1.3712e+00, 2.8567e+00],  
[8.9871e-01, 3.6172e-05, 9.1029e-02],  
[6.7043e-02, 3.4737e-06, 8.3440e-03],  
[2.2852e-01, 3.8085e-06, 2.9758e-02],  
[2.5352e-02, 6.6384e-07, 3.9450e-03],  
[1.5711e+01, 1.0225e-01, 9.2725e-01],  
[1.5098e+01, 1.8993e-02, 6.2800e-01],  
[1.0115e+02, 1.1956e-01, 3.0531e+00],  
[3.9298e-01, 5.1443e-05, 4.9930e-02],  
[3.2949e+01, 1.1161e-01, 1.1252e+00],  
[1.3052e+02, 5.1128e+00, 3.7870e+00],  
[2.7353e+01, 1.7419e-01, 9.2108e-01],  
[2.0293e+00, 1.9161e-03, 1.7716e-01],  
[1.1859e+02, 3.6852e+00, 3.4959e+00],  
[5.2587e-02, 2.7582e-06, 6.8103e-03],  
[2.1884e+01, 1.8711e-01, 9.0902e-01],  
[2.5489e+01, 3.6364e-02, 1.8064e+00],  
[8.0522e-02, 2.9518e-06, 1.1936e-02],  
[4.7738e-02, 2.3266e-07, 6.3586e-03],  
[1.2913e+02, 2.8846e+00, 2.4951e+00],  
[4.2302e+00, 1.5733e-03, 2.2639e-01],  
[1.0469e+02, 4.2303e-01, 2.4087e+00],  
[4.5443e+01, 5.1579e-01, 2.3026e+00],  
[3.1467e+01, 2.0794e-01, 9.3453e-01],  
[6.6703e+01, 6.2276e-01, 2.2181e+00],  
[6.4299e+00, 1.9481e-02, 3.9963e-01],

[1.9674e-01, 6.2811e-06, 2.3155e-02],  
[8.7335e+01, 2.2625e+00, 2.4374e+00],  
[1.3525e+00, 6.9690e-05, 1.2292e-01],  
[3.3477e+01, 1.0669e-01, 1.7194e+00],  
[1.0818e+00, 2.9188e-04, 1.3647e-01],  
[1.2557e+01, 3.8349e-02, 5.7589e-01],  
[2.7041e+01, 1.1929e-01, 1.4978e+00],  
[8.7900e-04, 1.5041e-10, 1.4285e-04],  
[6.1142e+00, 4.7502e-03, 2.5289e-01],  
[1.8736e-01, 1.4512e-05, 1.9606e-02],  
[1.0444e+02, 1.7394e+00, 3.1634e+00],  
[1.9178e-01, 1.5081e-05, 1.9859e-02],  
[3.6451e+01, 3.5171e-01, 1.7097e+00],  
[1.0687e+01, 8.2222e-03, 6.6309e-01],  
[1.1797e+01, 1.5711e-02, 8.9205e-01],  
[1.7017e+02, 3.1120e+00, 3.6454e+00],  
[1.0059e+02, 6.8051e-02, 2.3067e+00],  
[1.7315e+00, 3.7125e-04, 1.5157e-01],  
[2.2393e+01, 1.3674e-01, 1.2190e+00],  
[3.6313e-01, 4.5180e-05, 3.9196e-02],  
[6.9633e-01, 1.2425e-04, 8.6290e-02],  
[2.7665e+00, 2.3150e-03, 1.8808e-01],  
[2.9577e+00, 4.9681e-04, 1.9536e-01],  
[5.0769e-01, 5.8853e-05, 5.2946e-02],  
[1.0369e+00, 1.7775e-04, 1.1422e-01],  
[1.3582e+00, 1.9255e-04, 1.5632e-01],  
[2.3524e+02, 1.5447e+00, 3.6981e+00],  
[1.9829e+01, 8.5276e-02, 6.9451e-01],  
[4.5918e+00, 6.1422e-03, 4.2300e-01],  
[4.2919e+00, 7.8953e-04, 3.4626e-01],  
[1.8028e+02, 8.1972e+00, 4.2148e+00],  
[6.9235e+01, 4.5248e-01, 2.9105e+00],  
[6.7078e-02, 1.8535e-06, 8.5380e-03],  
[8.0153e+00, 9.6682e-03, 4.1676e-01],  
[1.6664e+00, 5.4882e-04, 9.8641e-02],  
[1.3001e+00, 2.0611e-04, 7.7582e-02],  
[6.0004e-01, 8.8154e-05, 5.5018e-02],  
[1.0273e-01, 4.2885e-07, 1.4846e-02],  
[4.0851e+01, 2.0228e-01, 1.7365e+00],  
[1.2098e+00, 6.1080e-04, 1.1890e-01],  
[1.3047e-01, 8.1575e-06, 1.6416e-02],  
[6.3887e-01, 1.1708e-04, 7.8834e-02],  
[1.1553e-02, 1.3325e-07, 1.7949e-03],  
[5.7560e+01, 4.2595e-01, 1.0732e+00],  
[3.2768e-01, 1.7076e-04, 4.5390e-02],  
[2.4425e+02, 3.3286e+00, 4.3545e+00],  
[2.3171e+01, 8.2472e-02, 1.7132e+00],  
[2.0041e+01, 8.2433e-02, 1.0229e+00],

```

[1.9325e+01, 3.6898e-02, 9.0511e-01],
[5.6397e-02, 8.8476e-07, 8.1884e-03],
[3.3927e+01, 5.1472e-02, 8.6348e-01],
[1.7079e+00, 4.2361e-04, 1.3775e-01],
[7.6076e+01, 8.7184e-01, 1.8297e+00],
[3.8864e+01, 5.7213e-02, 8.8538e-01],
[1.1815e+00, 5.1535e-04, 1.6052e-01],
[1.0598e+02, 9.8503e-01, 3.6798e+00],
[2.1755e+02, 4.6569e+00, 3.7003e+00],
[1.4417e-01, 1.3039e-05, 1.6778e-02],
[5.1299e+00, 1.3736e-03, 3.9903e-01],
[1.9490e+00, 2.1159e-03, 1.9389e-01],
[3.0885e+00, 1.6587e-03, 2.4962e-01],
[1.0427e-01, 1.6907e-06, 1.3860e-02],
[3.7018e+00, 4.3960e-03, 3.5357e-01],
[1.1402e+01, 9.7993e-03, 3.8307e-01],
[2.4059e-01, 2.8791e-05, 3.1473e-02],
[1.8028e+02, 2.7900e+00, 4.0855e+00],
[9.9954e+01, 1.6873e-01, 3.2082e+00],
[2.7110e+00, 1.3677e-03, 1.9416e-01]], dtype=torch.float64)
Iteration: 175
Inputs: tensor([[3.1870e+19, 1.8891e+02, 1.6498e+01, 2.4621e+00],
[1.2714e+19, 2.2308e+02, 5.8535e+00, 8.5295e+00],
[4.2357e+18, 5.9290e+01, 1.8362e+01, 8.1351e+00],
...,
[9.0732e+19, 3.4466e+02, 1.6839e+01, 8.9933e+00],
[2.6233e+18, 4.4088e+02, 9.3851e+00, 7.3199e+00],
[3.8716e+19, 4.5728e+02, 1.2448e+01, 2.8375e+00]], dtype=torch.float64)
Target: tensor([[1.8640e+00, 7.2927e-04, 1.9992e-01],
[5.0133e+00, 5.0177e-03, 2.8993e-01],
[3.5892e-02, 1.8179e-06, 5.3358e-03],
[4.2848e+00, 5.5724e-03, 4.8480e-01],
[6.9521e+00, 7.6016e-03, 3.9711e-01],
[7.3547e-01, 3.3375e-04, 7.2583e-02],
[1.7077e+01, 8.0093e-02, 6.4365e-01],
[2.5621e+00, 1.9124e-03, 2.6579e-01],
[2.9653e+02, 1.2023e+01, 4.8296e+00],
[1.0075e-01, 4.9000e-06, 1.2027e-02],
[1.4089e+02, 4.3441e+00, 3.8454e+00],
[2.0839e+00, 3.5405e-03, 2.7431e-01],
[2.7150e+01, 2.3476e-02, 1.4280e+00],
[2.1299e-01, 7.2097e-06, 3.0572e-02],
[2.2003e+02, 8.4707e-01, 4.4058e+00],
[2.2732e+00, 2.8204e-03, 2.3521e-01],
[5.7577e+01, 3.0811e-01, 2.5966e+00],
[5.6497e+01, 3.0255e-01, 1.5944e+00],
[2.3345e+01, 1.1589e-01, 1.1269e+00],
[6.7913e+01, 6.4545e-01, 2.9032e+00],

```

[3.4136e-01, 2.2515e-05, 2.8320e-02],  
[1.9295e+00, 1.6987e-03, 1.5813e-01],  
[4.7645e+00, 1.5916e-03, 2.6200e-01],  
[4.0599e+01, 2.2186e-01, 2.2464e+00],  
[5.6574e+00, 1.6952e-03, 4.4093e-01],  
[1.2747e+02, 2.0004e+00, 3.3334e+00],  
[1.8925e+00, 1.0318e-03, 1.3096e-01],  
[8.8937e+00, 7.5254e-03, 7.1122e-01],  
[2.9601e+00, 1.7129e-03, 2.4436e-01],  
[1.3153e+02, 4.2060e-01, 2.5509e+00],  
[3.0020e+01, 1.1703e-01, 1.2463e+00],  
[1.8655e+01, 4.5525e-02, 1.1794e+00],  
[3.1503e+00, 5.1687e-03, 3.5252e-01],  
[5.8905e+01, 1.3171e-01, 2.0447e+00],  
[3.3827e-01, 1.2514e-04, 4.0515e-02],  
[4.7380e+00, 1.0698e-02, 5.0280e-01],  
[2.2097e+01, 1.2615e-01, 1.5089e+00],  
[2.3257e+01, 7.4758e-02, 8.2474e-01],  
[3.0331e+00, 1.8946e-03, 1.6548e-01],  
[1.7011e+02, 3.9639e+00, 2.8727e+00],  
[6.9387e-01, 1.9259e-04, 6.6247e-02],  
[1.3169e+00, 1.3621e-04, 9.4170e-02],  
[6.8420e-01, 7.1728e-05, 5.7453e-02],  
[1.8601e+01, 8.9379e-04, 5.7537e-01],  
[4.4750e+01, 4.7109e-01, 1.9492e+00],  
[3.4033e+00, 1.4047e-02, 3.4124e-01],  
[1.1057e+02, 3.8105e-01, 2.4034e+00],  
[1.5521e+01, 2.1065e-02, 1.1618e+00],  
[9.2210e+01, 1.2719e+00, 2.4628e+00],  
[1.7581e+00, 2.7988e-03, 2.1205e-01],  
[7.8704e+00, 1.0655e-02, 7.8614e-01],  
[3.0330e-01, 6.1516e-06, 2.5979e-02],  
[4.6213e-01, 5.5103e-05, 3.8573e-02],  
[7.3454e-01, 3.2333e-04, 9.2160e-02],  
[2.3354e-02, 3.6045e-07, 3.5616e-03],  
[4.6504e-01, 9.2577e-05, 5.4451e-02],  
[3.1460e-01, 4.9561e-05, 3.7070e-02],  
[3.4650e-01, 3.9030e-05, 3.0672e-02],  
[4.6708e-02, 2.0619e-06, 6.5419e-03],  
[7.5265e+00, 4.3937e-02, 7.6700e-01],  
[1.5011e-01, 2.5401e-05, 1.8214e-02],  
[5.0010e-01, 3.9985e-05, 4.8366e-02],  
[5.3061e-01, 3.0272e-05, 3.4996e-02],  
[1.9141e+00, 3.4978e-05, 1.4597e-01],  
[2.3845e+01, 3.0606e-01, 1.2907e+00],  
[1.7273e-01, 1.9223e-05, 1.9302e-02],  
[3.1523e-01, 3.5220e-05, 2.8684e-02],  
[5.9547e+00, 1.6736e-02, 3.7254e-01],

[7.1119e-02, 1.0788e-06, 8.7411e-03],  
 [5.4938e-01, 7.4946e-05, 6.5598e-02],  
 [6.0010e-01, 1.6317e-04, 6.5914e-02],  
 [2.3286e+00, 6.3355e-04, 3.0777e-01],  
 [7.5144e+00, 9.0147e-03, 4.5872e-01],  
 [9.5464e+01, 1.4260e+00, 2.5474e+00],  
 [8.7874e-02, 6.7671e-06, 1.3074e-02],  
 [1.9074e+00, 9.6499e-04, 1.8065e-01],  
 [4.1530e+00, 7.7576e-03, 3.2404e-01],  
 [4.8034e+00, 1.9573e-02, 4.1888e-01],  
 [2.3447e+01, 3.9989e-02, 1.3156e+00],  
 [6.1806e-01, 9.9677e-05, 6.7498e-02],  
 [2.8577e+01, 1.2403e-02, 1.2517e+00],  
 [3.1502e+01, 6.2216e-01, 2.4670e+00],  
 [9.4890e-01, 4.6532e-04, 9.5735e-02],  
 [1.3059e+01, 2.3859e-02, 1.0771e+00],  
 [8.7954e-02, 2.7930e-06, 1.0383e-02],  
 [2.4895e+00, 2.0442e-03, 3.0778e-01],  
 [5.1483e+01, 3.5851e-01, 2.3061e+00],  
 [2.6207e+01, 2.1415e-01, 1.0382e+00],  
 [1.8153e+01, 1.6570e-02, 6.2339e-01],  
 [1.0452e-02, 1.4457e-08, 1.5635e-03],  
 [1.7723e+02, 2.3333e+00, 4.4371e+00],  
 [3.3257e-01, 1.9754e-05, 2.9751e-02],  
 [3.7260e+00, 1.1707e-02, 3.7288e-01],  
 [8.2899e-01, 4.2565e-04, 7.0033e-02],  
 [3.6337e+01, 1.1237e-01, 9.0167e-01],  
 [1.0516e+01, 3.9500e-02, 1.0056e+00],  
 [8.3457e+00, 9.3511e-03, 3.4248e-01],  
 [2.4570e+01, 7.6677e-02, 9.2359e-01],  
 [3.5816e-01, 8.0563e-05, 4.7875e-02],  
 [1.8184e+00, 2.2604e-03, 1.9712e-01],  
 [2.2578e+01, 2.0038e-01, 8.9566e-01],  
 [3.6471e+01, 2.1324e-01, 1.3586e+00],  
 [8.0672e+00, 6.0432e-03, 5.1182e-01],  
 [1.0437e+00, 7.1595e-05, 1.3544e-01],  
 [3.2281e+01, 1.0821e-01, 1.4402e+00],  
 [1.1584e-01, 3.1244e-06, 1.3885e-02],  
 [1.1854e+01, 4.9697e-02, 5.9791e-01],  
 [4.8743e-01, 2.3992e-05, 3.8228e-02],  
 [2.4927e+01, 4.5711e-02, 7.9208e-01],  
 [7.0716e+00, 4.2232e-03, 2.6749e-01],  
 [9.6680e-01, 1.7845e-04, 6.3498e-02],  
 [7.5694e-01, 1.0503e-04, 5.2055e-02],  
 [1.3588e+01, 8.0172e-03, 5.6687e-01],  
 [1.4043e+00, 7.2183e-04, 1.1844e-01],  
 [1.2266e+00, 1.1546e-03, 1.4573e-01],  
 [1.7155e+01, 7.3052e-02, 7.2568e-01],

[1.1950e-02, 3.5374e-08, 1.7752e-03],  
[1.5682e-02, 1.4335e-07, 2.3639e-03],  
[4.4770e-01, 7.5565e-06, 3.3212e-02],  
[1.9771e+00, 1.1251e-03, 1.1780e-01],  
[5.3435e+00, 9.2095e-03, 4.7510e-01],  
[9.5223e+01, 1.5871e+00, 2.7729e+00],  
[6.5613e-04, 1.2007e-10, 1.0669e-04],  
[2.2875e+01, 8.7555e-03, 1.5914e+00],  
[6.0792e-02, 2.4688e-06, 8.8232e-03],  
[2.3797e+00, 1.2453e-04, 1.1984e-01],  
[8.3362e+01, 1.1378e+00, 2.3991e+00],  
[1.7083e+00, 5.6145e-04, 1.2838e-01],  
[5.6957e-02, 2.7342e-06, 7.3768e-03],  
[9.5634e+01, 2.2353e+00, 2.4724e+00],  
[2.0551e+01, 7.8050e-02, 7.9288e-01],  
[5.1649e+00, 8.1930e-03, 3.2478e-01],  
[5.3221e-02, 5.0512e-07, 6.7920e-03],  
[1.2076e+00, 1.0796e-04, 1.3715e-01],  
[3.7070e+01, 8.3187e-02, 8.7938e-01],  
[1.7705e+01, 2.1999e-02, 8.6500e-01],  
[9.2857e-02, 9.2686e-07, 1.2947e-02],  
[5.9120e+01, 1.1031e+00, 2.3004e+00],  
[1.5200e+01, 2.1758e-02, 7.7067e-01],  
[1.4707e-02, 1.1721e-07, 2.1494e-03],  
[9.0342e-02, 3.6044e-06, 1.2016e-02],  
[4.0356e+00, 3.2035e-03, 3.6866e-01],  
[1.2270e+01, 3.7694e-02, 7.4391e-01],  
[1.3064e+00, 2.2558e-04, 1.0368e-01],  
[2.6676e-01, 3.3336e-05, 2.8908e-02],  
[2.1701e+00, 1.3048e-03, 1.4625e-01],  
[9.2794e+00, 1.9743e-02, 5.9241e-01],  
[4.0957e+01, 1.6336e-01, 2.0383e+00],  
[2.0068e-01, 4.7019e-06, 2.0725e-02],  
[3.2930e+01, 1.4797e-01, 1.4329e+00],  
[2.2749e-01, 1.1934e-06, 2.1051e-02],  
[2.2659e+02, 1.0622e+01, 5.0339e+00],  
[2.3088e+01, 2.6466e-02, 1.6051e+00],  
[2.4183e-01, 1.0877e-06, 2.2036e-02],  
[3.8737e+00, 4.2414e-03, 3.0017e-01],  
[3.1538e+01, 1.4450e-01, 1.0777e+00],  
[6.8703e+00, 2.2034e-04, 3.1969e-01],  
[6.2339e-01, 1.8566e-04, 7.7510e-02],  
[4.0313e+00, 3.5582e-03, 2.3850e-01],  
[1.8189e+00, 2.5799e-04, 1.2637e-01],  
[7.7395e-02, 1.8654e-06, 1.0138e-02],  
[1.3417e+01, 2.3883e-02, 5.8264e-01],  
[7.2852e+01, 1.9350e-01, 2.8649e+00],  
[4.2118e+01, 1.9646e-01, 1.6760e+00],

[2.9901e-01, 7.7976e-06, 2.7780e-02],  
[1.4721e+02, 2.1708e+00, 3.5303e+00],  
[9.5110e+01, 1.0462e+00, 2.0109e+00],  
[1.3802e-01, 7.9928e-06, 1.5605e-02],  
[1.8563e+00, 1.1750e-03, 2.2177e-01],  
[8.1872e-01, 3.5886e-05, 9.9235e-02],  
[2.1254e+00, 2.1888e-03, 1.7035e-01],  
[1.8330e+01, 7.2383e-02, 6.5055e-01],  
[2.9656e+01, 5.6174e-02, 8.5972e-01],  
[2.2988e+01, 1.3641e-01, 1.7284e+00],  
[3.2859e+00, 1.6418e-03, 2.8063e-01],  
[1.1985e+01, 1.9366e-02, 6.9251e-01],  
[1.3635e+00, 3.6731e-04, 1.5938e-01],  
[1.4100e+01, 3.2275e-02, 5.3978e-01],  
[3.0929e+00, 9.8107e-04, 3.2364e-01],  
[1.3147e+01, 3.7061e-02, 6.1085e-01],  
[3.8971e-01, 8.5020e-05, 4.3876e-02],  
[4.2851e-02, 3.4188e-07, 6.5985e-03],  
[5.5055e-02, 1.0848e-06, 7.7010e-03],  
[1.1089e+00, 5.2440e-04, 1.1163e-01],  
[4.8807e+00, 6.1652e-03, 2.6554e-01],  
[3.2912e+00, 2.2329e-03, 2.0651e-01],  
[3.4184e+01, 6.6951e-02, 1.9415e+00],  
[7.0578e+00, 1.0906e-02, 5.5394e-01],  
[5.0424e-01, 5.9159e-05, 4.5556e-02],  
[1.2728e-01, 8.2901e-06, 1.8200e-02],  
[1.1351e+00, 1.2386e-04, 8.7454e-02],  
[1.0868e+00, 2.5414e-04, 7.2698e-02],  
[4.8872e+00, 8.8872e-04, 3.8786e-01],  
[1.6391e-01, 9.4813e-06, 2.1734e-02],  
[2.4688e+02, 5.4969e+00, 5.0936e+00],  
[6.4546e+01, 4.8785e-01, 2.3470e+00],  
[2.3670e-01, 3.6718e-06, 2.5214e-02],  
[5.4973e+00, 9.9997e-03, 6.3728e-01],  
[1.2837e+01, 7.1929e-03, 9.2618e-01],  
[3.3444e+01, 6.1931e-02, 1.1885e+00],  
[1.5122e+01, 6.8522e-02, 7.8866e-01],  
[1.6599e+02, 3.3786e+00, 2.9457e+00],  
[2.4180e+02, 3.3792e+00, 4.1534e+00],  
[2.9119e+02, 6.2439e+00, 4.9884e+00],  
[2.0414e+01, 1.5635e-01, 1.1955e+00],  
[2.7796e-01, 3.8354e-05, 3.1311e-02],  
[1.7627e+01, 1.3441e-01, 1.0770e+00],  
[2.3798e+00, 1.5738e-03, 1.9198e-01],  
[6.7560e+00, 5.6233e-03, 3.8587e-01],  
[6.7703e+00, 5.6457e-03, 4.8233e-01],  
[3.2117e+00, 1.0966e-03, 3.7920e-01],  
[1.7747e-01, 1.2784e-05, 1.9371e-02],



[2.3549e-01, 5.9107e-05, 3.0081e-02],  
 [1.2015e-01, 7.1227e-06, 1.5154e-02],  
 [3.8863e-03, 1.8490e-08, 6.1815e-04],  
 [3.4366e+00, 8.3751e-03, 4.2505e-01],  
 [1.1493e-01, 5.9883e-06, 1.3171e-02],  
 [5.0517e+01, 5.2734e-02, 1.1901e+00],  
 [4.4033e+01, 1.9415e-01, 1.2884e+00],  
 [5.5307e+00, 2.4140e-03, 3.5393e-01],  
 [5.5471e-02, 3.5947e-06, 7.7038e-03],  
 [4.5272e+01, 8.8893e-01, 1.8785e+00],  
 [7.6267e+00, 4.1092e-03, 4.0154e-01],  
 [7.5782e-01, 4.0612e-04, 7.1117e-02],  
 [1.3573e+02, 5.4690e+00, 3.2081e+00],  
 [1.8988e-01, 2.2853e-05, 2.7433e-02],  
 [2.5190e-01, 2.5119e-05, 2.8777e-02],  
 [1.4013e-02, 1.1529e-07, 2.1859e-03],  
 [5.1184e+00, 9.0128e-03, 2.9176e-01],  
 [1.4000e+01, 9.0616e-02, 6.8539e-01],  
 [7.3988e+00, 2.3300e-02, 5.0996e-01],  
 [1.2659e+01, 1.9962e-02, 5.2622e-01],  
 [4.5201e+00, 1.3162e-03, 4.5234e-01],  
 [2.8558e+01, 1.0904e-01, 8.6152e-01],  
 [7.5496e+01, 5.3728e-01, 1.7061e+00],  
 [2.8483e+01, 1.7481e-01, 1.5780e+00],  
 [1.6841e+00, 6.9666e-04, 1.3143e-01],  
 [6.4721e-01, 1.2520e-04, 5.2048e-02],  
 [2.2040e-01, 6.6775e-06, 2.1632e-02],  
 [5.7424e-01, 1.6086e-05, 3.9298e-02],  
 [2.0648e+00, 4.6619e-04, 1.2893e-01],  
 [6.4814e+00, 4.9374e-03, 5.3361e-01],  
 [4.5821e+01, 1.6058e-01, 2.0633e+00],  
 [4.3581e-01, 1.0708e-04, 5.3459e-02],  
 [5.9421e+00, 4.0084e-03, 5.1482e-01],  
 [3.1602e-01, 4.4650e-05, 3.8043e-02],  
 [1.0029e+02, 9.2221e-01, 2.5959e+00],  
 [1.1192e+02, 1.6137e+00, 3.1853e+00],  
 [6.7592e-02, 6.3877e-06, 1.0227e-02],  
 [2.1957e-01, 1.2994e-05, 3.2008e-02],  
 [1.2461e-01, 3.7862e-06, 1.5008e-02],  
 [2.7013e+00, 1.2422e-03, 1.7286e-01],  
 [4.5283e+00, 6.7452e-04, 1.7995e-01],  
 [5.4175e+01, 1.6425e-01, 2.8264e+00],  
 [9.0031e-01, 2.9165e-04, 8.7149e-02],  
 [6.2092e-01, 8.2760e-05, 4.9327e-02],  
 [1.2401e-01, 9.7705e-07, 1.6472e-02],  
 [3.1032e+00, 4.9917e-03, 2.7602e-01],  
 [3.1539e+02, 7.8156e+00, 5.1651e+00],  
 [4.8951e-01, 1.7738e-04, 5.8545e-02],

[1.7280e-02, 3.8594e-07, 2.5103e-03],  
 [3.0685e-01, 8.5923e-05, 3.7648e-02],  
 [3.7761e+01, 3.4893e-01, 1.4671e+00],  
 [2.5783e+01, 3.0820e-01, 1.7906e+00],  
 [1.0188e+01, 1.7445e-02, 8.5099e-01],  
 [1.2293e+00, 1.5417e-03, 1.4339e-01],  
 [1.0527e-01, 1.8092e-06, 1.5756e-02],  
 [2.4326e-02, 3.2907e-07, 3.4040e-03],  
 [5.4932e+01, 3.8424e-01, 1.5851e+00],  
 [5.8946e-01, 6.2118e-05, 4.7828e-02],  
 [9.6245e+01, 9.2698e-01, 3.7141e+00],  
 [4.6999e+00, 4.5294e-03, 3.0293e-01],  
 [1.2765e-01, 1.5801e-05, 1.6421e-02],  
 [7.0305e-01, 3.1750e-04, 6.8309e-02],  
 [2.2840e-02, 6.8379e-08, 3.4234e-03],  
 [7.0063e+00, 2.7768e-02, 7.3980e-01],  
 [3.0956e-01, 3.7292e-05, 3.0314e-02],  
 [1.7617e+00, 1.0888e-04, 1.7634e-01],  
 [7.8620e+01, 4.9416e-01, 3.3062e+00],  
 [3.5145e-01, 9.9991e-05, 4.0770e-02],  
 [1.6198e+02, 3.6630e+00, 4.3936e+00],  
 [2.4149e+02, 6.9774e+00, 4.1208e+00],  
 [6.7359e+00, 3.3669e-02, 5.2347e-01],  
 [1.4559e+01, 1.3890e-01, 1.3620e+00],  
 [8.6080e+01, 7.5578e-01, 2.5326e+00],  
 [1.1259e+00, 1.5989e-04, 1.1830e-01],  
 [3.7413e-01, 6.1889e-05, 3.4651e-02],  
 [1.3415e+00, 3.1815e-04, 1.6803e-01],  
 [3.6892e+00, 5.7138e-03, 3.6517e-01],  
 [2.0376e+00, 5.0732e-04, 1.2345e-01],  
 [5.3945e-01, 3.4028e-04, 6.6743e-02],  
 [2.9093e+00, 1.9843e-03, 2.1078e-01],  
 [3.9032e-02, 5.9304e-07, 5.4361e-03],  
 [6.7630e-02, 1.9161e-06, 8.3015e-03],  
 [2.1616e+00, 6.8692e-04, 1.2538e-01],  
 [6.3088e+01, 1.0122e+00, 3.5151e+00],  
 [8.4288e+01, 2.4350e+00, 2.5543e+00],  
 [6.7942e+01, 5.5772e-01, 1.6338e+00],  
 [3.6251e+01, 4.9850e-01, 2.2226e+00],  
 [2.7951e+00, 1.0964e-03, 2.7785e-01],  
 [5.8962e-01, 7.7525e-05, 6.3154e-02],  
 [6.9281e+00, 4.2723e-04, 3.1857e-01],  
 [1.1556e+00, 5.1145e-04, 1.1561e-01],  
 [2.1600e+01, 1.4191e-02, 1.0062e+00],  
 [6.4595e+01, 8.8369e-01, 2.0383e+00],  
 [6.5770e+00, 1.0984e-03, 4.1013e-01],  
 [5.4411e-01, 1.0493e-04, 4.7098e-02],  
 [1.2131e+01, 1.3243e-02, 1.0407e+00],

```

[5.0933e+00, 1.6798e-03, 2.6600e-01],
[7.9952e-01, 9.4039e-05, 7.4248e-02],
[1.1885e-01, 4.5843e-06, 1.3526e-02],
[2.5794e-01, 1.1644e-05, 3.8212e-02],
[8.1077e+00, 5.0127e-02, 7.4886e-01],
[4.4301e-02, 1.1084e-06, 6.2370e-03],
[2.2470e+00, 1.0667e-03, 1.8705e-01],
[1.0555e+02, 1.7825e+00, 3.3351e+00],
[1.3267e+00, 1.6135e-03, 1.4041e-01],
[3.7128e+01, 4.5382e-01, 1.2689e+00],
[9.6074e-01, 1.9959e-04, 7.0025e-02],
[1.2623e+01, 1.2411e-02, 6.4741e-01]], dtype=torch.float64)
Iteration: 176
Inputs: tensor([[2.1944e+19, 4.5086e+02, 2.5366e+00, 3.9362e+00],
[2.1992e+19, 1.7883e+02, 5.0468e-01, 7.1094e+00],
[1.3314e+18, 2.0255e+02, 4.5056e+00, 7.8423e+00],
...,
[1.8084e+18, 1.6579e+02, 1.4224e+01, 1.7449e+00],
[8.6769e+19, 4.5220e+02, 1.8131e+01, 8.5686e+00],
[7.1285e+18, 1.0037e+02, 9.1947e+00, 5.3189e+00]], dtype=torch.float64)
Target: tensor([[1.7868e+01, 9.0502e-03, 5.4884e-01],
[1.1829e+01, 1.0598e-02, 4.9901e-01],
[1.8678e-01, 1.0422e-05, 1.9592e-02],
[4.0136e+00, 4.9105e-03, 2.5700e-01],
[3.9042e+00, 2.0236e-03, 2.2646e-01],
[1.5689e+00, 7.5859e-04, 1.1179e-01],
[1.5268e+02, 3.8018e+00, 3.9222e+00],
[1.0065e+02, 1.7964e+00, 3.4114e+00],
[9.6714e+01, 1.8251e+00, 3.4527e+00],
[1.8961e+01, 1.3268e-01, 1.6971e+00],
[6.1550e+01, 1.7556e-01, 3.5757e+00],
[8.1633e-01, 7.1990e-05, 8.0339e-02],
[3.4928e+01, 7.6554e-02, 8.3117e-01],
[1.5604e+01, 2.0182e-02, 8.9156e-01],
[2.2559e+01, 1.0608e-01, 7.4382e-01],
[6.3761e+01, 2.8325e-02, 2.4649e+00],
[2.8482e-01, 2.7082e-05, 3.1225e-02],
[1.5303e-02, 2.1254e-07, 2.2409e-03],
[7.3873e+00, 1.9168e-02, 4.2292e-01],
[2.2718e-01, 5.6888e-05, 2.9622e-02],
[1.2294e+01, 3.3058e-02, 6.9080e-01],
[4.3938e+01, 1.2102e-02, 1.5105e+00],
[3.6255e+01, 5.4122e-01, 1.2155e+00],
[9.8764e-01, 1.5664e-04, 6.9332e-02],
[2.3405e-01, 5.4702e-05, 3.2185e-02],
[1.6102e+02, 1.0569e+00, 4.7457e+00],
[6.0614e+01, 2.1059e-01, 1.5525e+00],
[8.3110e+00, 4.5872e-02, 8.6069e-01],

```

[4.2237e-03, 7.3500e-09, 6.6520e-04],  
[2.0739e+01, 5.7348e-02, 8.6027e-01],  
[6.0418e-01, 3.9387e-05, 5.6175e-02],  
[1.6625e+02, 3.2786e+00, 3.2260e+00],  
[1.0331e+02, 1.7758e+00, 3.6992e+00],  
[4.5491e+01, 1.0275e-01, 1.4252e+00],  
[5.8891e-02, 3.9576e-06, 8.4405e-03],  
[3.7578e+01, 3.0482e-01, 1.0440e+00],  
[2.4685e+01, 4.8178e-02, 1.7425e+00],  
[2.1732e+01, 2.2652e-02, 6.2993e-01],  
[9.0439e-01, 1.1732e-04, 8.0932e-02],  
[5.8296e+01, 7.6502e-01, 2.9685e+00],  
[3.8040e+00, 1.7022e-03, 2.0322e-01],  
[3.5060e-02, 1.2710e-07, 5.3559e-03],  
[3.8374e+01, 1.8141e-01, 2.0770e+00],  
[1.7830e-01, 2.0214e-05, 2.0080e-02],  
[1.3749e-01, 3.3763e-06, 1.9630e-02],  
[7.1674e+01, 9.5056e-01, 2.2703e+00],  
[1.2543e+01, 2.7081e-02, 6.6375e-01],  
[5.8692e+01, 1.5708e-01, 1.4603e+00],  
[1.7742e+00, 1.5226e-04, 1.2766e-01],  
[4.3520e-02, 2.0764e-06, 6.4135e-03],  
[1.0938e+00, 2.4963e-04, 8.7240e-02],  
[9.7136e-01, 1.0897e-04, 5.6812e-02],  
[2.7078e-01, 1.1135e-05, 3.9970e-02],  
[1.1704e+02, 1.7273e+00, 2.3616e+00],  
[9.2604e+01, 4.0703e-01, 2.9011e+00],  
[1.7282e+02, 4.1267e+00, 3.5522e+00],  
[7.6500e+01, 1.5476e+00, 2.6538e+00],  
[1.7970e+01, 1.8044e-01, 1.2099e+00],  
[6.2519e+01, 7.4377e-01, 1.9380e+00],  
[1.2960e+02, 1.8078e+00, 2.7393e+00],  
[9.8473e+01, 2.3567e+00, 3.6868e+00],  
[1.2068e+01, 3.8308e-02, 1.0654e+00],  
[5.4232e+00, 7.1557e-03, 3.5263e-01],  
[4.2720e+00, 1.0357e-03, 2.4638e-01],  
[4.2473e+00, 4.8419e-03, 3.7988e-01],  
[1.2033e+02, 2.6775e+00, 3.3716e+00],  
[1.9929e+01, 8.7656e-02, 9.0690e-01],  
[1.9241e+01, 5.9777e-02, 1.1901e+00],  
[3.1250e+01, 2.6346e-02, 9.1175e-01],  
[1.9293e-01, 1.5641e-05, 2.5524e-02],  
[2.0186e-01, 2.6248e-05, 2.6746e-02],  
[9.8615e+01, 1.0287e+00, 3.0723e+00],  
[8.3602e+00, 9.2201e-03, 4.3130e-01],  
[7.1044e-01, 1.5401e-04, 6.4482e-02],  
[2.8197e+00, 2.9646e-03, 2.3791e-01],  
[4.6051e-02, 8.2259e-08, 6.3998e-03],

[2.2772e+02, 9.4625e+00, 4.4728e+00],  
 [2.3804e+00, 6.3802e-04, 2.0508e-01],  
 [7.8903e+01, 1.5977e+00, 3.2541e+00],  
 [7.9453e-02, 7.3315e-06, 1.0928e-02],  
 [2.2391e+00, 5.5551e-04, 2.5492e-01],  
 [7.1331e+01, 4.7908e-01, 2.5300e+00],  
 [9.4796e+01, 7.2664e-01, 3.2337e+00],  
 [2.3216e+01, 8.2885e-02, 1.0866e+00],  
 [1.7373e+00, 7.3852e-04, 1.6755e-01],  
 [7.6335e+00, 1.2797e-02, 4.4909e-01],  
 [5.2845e+00, 5.7673e-04, 3.3228e-01],  
 [6.1905e+01, 3.5557e-01, 1.6193e+00],  
 [5.8891e+00, 9.6626e-03, 4.7101e-01],  
 [3.9139e-01, 6.1237e-05, 3.8768e-02],  
 [7.0537e+01, 2.3100e-01, 2.4449e+00],  
 [2.1866e+00, 4.1706e-03, 2.4651e-01],  
 [1.6949e-01, 2.9320e-05, 1.9668e-02],  
 [2.1993e-01, 5.1399e-05, 2.7591e-02],  
 [4.1099e+01, 1.0229e-01, 1.4558e+00],  
 [1.3102e+02, 6.3130e-01, 2.4202e+00],  
 [5.1289e-01, 2.8596e-05, 5.9262e-02],  
 [1.5815e+01, 2.1797e-02, 6.7729e-01],  
 [2.6931e+00, 7.1100e-04, 2.2216e-01],  
 [3.9618e+01, 3.8890e-01, 1.2540e+00],  
 [4.3312e-01, 8.2567e-05, 4.9250e-02],  
 [1.1600e+01, 2.6502e-02, 5.4998e-01],  
 [4.3754e-01, 3.4379e-05, 5.3993e-02],  
 [3.3618e+01, 4.6946e-01, 1.5943e+00],  
 [3.2474e+01, 3.2779e-02, 1.0823e+00],  
 [1.2413e-01, 6.1007e-06, 1.6284e-02],  
 [4.1977e+01, 2.2207e-01, 2.0344e+00],  
 [9.7130e+00, 6.9972e-02, 1.0484e+00],  
 [1.6862e+00, 2.7570e-04, 9.2375e-02],  
 [2.2410e-02, 3.9012e-08, 3.3741e-03],  
 [1.3285e-01, 5.5130e-06, 1.4588e-02],  
 [4.4711e+01, 7.4735e-01, 2.1520e+00],  
 [3.3995e+00, 6.1897e-04, 1.5799e-01],  
 [6.0824e+01, 1.7344e-01, 1.6839e+00],  
 [2.1858e-01, 1.0085e-05, 2.6080e-02],  
 [1.2283e+01, 4.9832e-02, 6.6705e-01],  
 [1.0462e+01, 3.0143e-02, 4.3545e-01],  
 [1.7483e+02, 1.0019e+00, 3.4404e+00],  
 [3.1246e+01, 2.3416e-01, 1.2665e+00],  
 [1.7985e+00, 1.1171e-03, 1.5495e-01],  
 [8.0145e+00, 8.8040e-03, 3.0067e-01],  
 [1.1055e+01, 4.2832e-02, 9.3901e-01],  
 [1.4667e+01, 2.5297e-02, 4.8247e-01],  
 [8.2408e-02, 5.5979e-07, 1.1381e-02],

[1.7706e+00, 4.0805e-04, 1.3655e-01],  
 [2.9771e+00, 1.5870e-03, 2.4749e-01],  
 [1.6948e-01, 3.1477e-06, 1.7470e-02],  
 [2.1154e+01, 1.3309e-01, 1.1988e+00],  
 [4.7651e+00, 4.8858e-03, 3.4128e-01],  
 [1.1981e-02, 1.7740e-08, 1.8161e-03],  
 [4.5929e+01, 3.5605e-02, 1.6914e+00],  
 [2.2300e-01, 5.5747e-06, 3.1671e-02],  
 [8.2791e-01, 1.9370e-04, 7.0577e-02],  
 [9.5538e-01, 4.5523e-04, 7.9731e-02],  
 [8.5504e+00, 8.3237e-03, 6.5584e-01],  
 [1.1641e+00, 5.2019e-04, 8.5588e-02],  
 [9.1564e+00, 9.0256e-03, 8.3330e-01],  
 [1.1012e+02, 5.3437e-01, 2.6821e+00],  
 [3.6188e+01, 4.0798e-02, 1.9146e+00],  
 [1.5788e+00, 4.7914e-04, 1.0963e-01],  
 [1.9222e-01, 2.2135e-05, 2.6313e-02],  
 [1.2246e+00, 5.4459e-04, 9.7314e-02],  
 [7.1316e-01, 2.4450e-04, 8.6516e-02],  
 [1.6234e+02, 3.9185e+00, 3.7411e+00],  
 [3.9925e+01, 2.5316e-01, 1.2913e+00],  
 [1.8790e+01, 7.6029e-02, 1.3286e+00],  
 [3.1298e-01, 5.4088e-05, 3.2693e-02],  
 [3.0055e-02, 1.2903e-06, 4.2577e-03],  
 [5.3894e+00, 3.7002e-03, 5.2811e-01],  
 [1.1897e+01, 4.6931e-02, 6.2198e-01],  
 [2.6525e+01, 5.4761e-02, 8.2394e-01],  
 [2.0747e+00, 7.2887e-04, 1.4734e-01],  
 [2.4152e+02, 1.3877e+00, 5.0144e+00],  
 [2.1093e-01, 2.0376e-05, 2.5776e-02],  
 [1.0656e-01, 7.7500e-07, 1.3950e-02],  
 [3.4368e-01, 5.5729e-05, 4.1400e-02],  
 [3.5438e+01, 3.8655e-01, 1.8820e+00],  
 [3.6123e+00, 3.2186e-03, 2.5433e-01],  
 [1.6061e+00, 8.6973e-05, 1.2265e-01],  
 [1.7364e+00, 2.0516e-04, 1.8129e-01],  
 [4.4154e+01, 7.8505e-01, 1.7621e+00],  
 [1.5407e+01, 8.4739e-02, 6.2324e-01],  
 [1.1045e+02, 5.4056e-01, 3.7986e+00],  
 [2.1384e+01, 1.6064e-02, 1.5113e+00],  
 [4.5712e+00, 2.8503e-03, 2.8001e-01],  
 [1.0635e+01, 3.7177e-02, 6.2424e-01],  
 [1.1010e-01, 6.5590e-06, 1.3423e-02],  
 [6.4716e+00, 3.9670e-03, 3.1741e-01],  
 [2.7404e-01, 3.7617e-06, 3.3065e-02],  
 [1.4556e+01, 2.0173e-02, 5.5939e-01],  
 [2.7006e-01, 2.9879e-05, 2.8589e-02],  
 [9.0286e+01, 9.8252e-01, 3.5272e+00],

[1.6523e+01, 4.7770e-02, 9.8231e-01],  
 [4.1741e+01, 2.8113e-01, 1.6879e+00],  
 [1.4756e+02, 5.8367e+00, 3.5955e+00],  
 [3.4781e+01, 4.6312e-01, 1.0288e+00],  
 [8.7954e+00, 1.7001e-02, 5.0030e-01],  
 [1.2379e+00, 4.3431e-04, 8.5550e-02],  
 [1.4163e-01, 4.5591e-06, 1.6001e-02],  
 [9.5635e+01, 1.0287e+00, 3.6122e+00],  
 [8.6667e+01, 6.3516e-01, 3.3634e+00],  
 [5.6526e+00, 4.6735e-03, 3.7612e-01],  
 [1.3697e+00, 3.3481e-04, 1.2534e-01],  
 [9.3070e-01, 1.4973e-04, 6.6414e-02],  
 [3.3784e-01, 4.3401e-05, 3.3284e-02],  
 [1.0174e+02, 6.9501e-01, 2.5844e+00],  
 [9.9960e+00, 3.6192e-02, 5.2997e-01],  
 [6.7735e-02, 2.3927e-07, 9.4666e-03],  
 [5.1329e+01, 4.1980e-01, 3.0710e+00],  
 [1.9237e+01, 3.0820e-02, 1.7353e+00],  
 [1.0036e+01, 2.3239e-02, 1.0351e+00],  
 [9.4945e+00, 1.3847e-02, 5.7436e-01],  
 [2.3589e+01, 6.7626e-02, 8.0572e-01],  
 [1.6670e-03, 2.7015e-10, 2.6639e-04],  
 [2.1948e-01, 3.2185e-05, 2.4979e-02],  
 [8.8051e+01, 1.4840e+00, 3.9635e+00],  
 [2.1627e+02, 2.7237e+00, 4.4769e+00],  
 [3.6300e-01, 3.6427e-06, 3.6932e-02],  
 [4.9463e+00, 8.2657e-03, 4.3611e-01],  
 [2.7191e+00, 3.3091e-03, 2.4908e-01],  
 [1.2736e-02, 9.4969e-08, 1.9220e-03],  
 [2.5837e-01, 4.4826e-06, 3.3496e-02],  
 [8.6528e+01, 1.6768e-01, 2.3332e+00],  
 [4.4061e+00, 3.2922e-03, 3.7080e-01],  
 [6.0980e+00, 1.6073e-02, 3.2967e-01],  
 [3.6538e+00, 1.0849e-03, 2.0507e-01],  
 [2.8631e-01, 6.4088e-05, 3.9940e-02],  
 [1.1411e-01, 2.0417e-06, 1.4631e-02],  
 [4.0703e+01, 5.2744e-01, 2.4174e+00],  
 [9.4499e-02, 5.3799e-06, 1.2337e-02],  
 [9.3184e+00, 2.3943e-02, 4.7801e-01],  
 [1.5689e+00, 8.1939e-04, 1.8465e-01],  
 [4.5455e+01, 3.9538e-01, 1.3911e+00],  
 [2.0139e+00, 7.4355e-04, 2.6117e-01],  
 [6.3302e+01, 6.4762e-01, 1.7642e+00],  
 [3.6272e-01, 1.1957e-05, 3.1518e-02],  
 [6.3531e+01, 3.8052e-01, 3.4024e+00],  
 [2.1148e+00, 1.2893e-04, 1.7472e-01],  
 [1.7257e+01, 1.0246e-01, 8.7872e-01],  
 [1.8229e+01, 1.2881e-01, 1.2246e+00],

[1.2633e+02, 5.0940e+00, 3.3024e+00],  
[5.5881e-03, 4.5657e-08, 8.8672e-04],  
[4.8379e+01, 1.2506e-01, 2.2958e+00],  
[5.5090e-01, 8.3364e-05, 5.1181e-02],  
[3.0846e-01, 7.8772e-05, 3.3815e-02],  
[5.7038e+00, 5.1327e-03, 5.9103e-01],  
[6.3503e-01, 1.4295e-04, 6.0454e-02],  
[2.8134e+00, 1.7537e-03, 2.0441e-01],  
[1.3904e-02, 1.8801e-07, 2.1641e-03],  
[7.3973e+00, 7.1277e-03, 4.0265e-01],  
[8.1639e+01, 8.9454e-01, 3.6284e+00],  
[1.9063e+00, 1.9551e-03, 2.0606e-01],  
[2.0817e+00, 2.6751e-03, 2.2403e-01],  
[1.1524e+00, 6.9486e-04, 1.0090e-01],  
[4.4727e+00, 3.5085e-03, 4.0791e-01],  
[1.0271e+02, 1.5279e+00, 3.0983e+00],  
[4.3009e+01, 5.5536e-02, 2.1531e+00],  
[1.0875e+00, 1.8661e-04, 9.0215e-02],  
[1.6854e-01, 1.0804e-06, 1.8565e-02],  
[2.1880e+00, 7.2117e-04, 2.0601e-01],  
[7.0190e-01, 1.0907e-04, 6.5862e-02],  
[6.1118e+01, 2.7332e-01, 3.0204e+00],  
[1.9357e-03, 3.8199e-10, 3.1164e-04],  
[6.5961e+01, 8.6581e-01, 2.5189e+00],  
[8.2755e+00, 2.6274e-03, 4.0460e-01],  
[5.1256e+01, 3.2024e-01, 2.2841e+00],  
[7.8361e-01, 1.5458e-04, 8.0890e-02],  
[1.4455e+00, 4.4338e-04, 1.1736e-01],  
[5.4570e+01, 2.0872e-01, 1.0890e+00],  
[9.4665e+01, 2.4982e-01, 2.6829e+00],  
[9.6073e+00, 5.4692e-03, 3.8141e-01],  
[2.5282e-01, 7.1915e-06, 3.1552e-02],  
[2.2948e-01, 7.6139e-06, 2.8269e-02],  
[3.3358e+01, 6.0085e-02, 1.4873e+00],  
[2.0273e+02, 3.7521e+00, 4.9119e+00],  
[7.8364e+01, 7.1293e-01, 2.8963e+00],  
[4.2573e+00, 4.0180e-04, 1.9851e-01],  
[1.5669e-01, 3.3669e-06, 2.0219e-02],  
[1.6176e+00, 1.7397e-04, 1.1954e-01],  
[2.7434e-01, 3.2839e-05, 2.5788e-02],  
[4.2988e-02, 2.2131e-07, 6.0289e-03],  
[5.4341e-03, 1.3504e-08, 8.3571e-04],  
[9.6258e-02, 3.6564e-06, 1.2577e-02],  
[1.5666e+02, 3.0779e+00, 4.3775e+00],  
[3.1515e-01, 4.5984e-06, 3.0534e-02],  
[1.9487e-01, 7.2653e-06, 2.8981e-02],  
[3.6003e+01, 1.7679e-01, 1.8281e+00],  
[1.3037e+01, 7.1867e-02, 6.6813e-01],



[2.3580e+00, 8.9788e-04, 1.8883e-01],  
 [2.2717e+00, 4.2444e-03, 2.5304e-01],  
 [6.5165e+01, 2.6152e-01, 1.3001e+00],  
 [3.6622e+01, 5.3841e-02, 1.4523e+00],  
 [7.2965e+00, 4.8944e-03, 2.6535e-01],  
 [4.2124e+01, 1.9827e-01, 2.5745e+00],  
 [3.6839e-01, 8.7033e-06, 4.6167e-02],  
 [5.8005e+01, 2.3162e-01, 1.4960e+00],  
 [9.1064e-01, 1.5922e-05, 9.0854e-02],  
 [5.6135e+00, 2.6302e-02, 5.3301e-01],  
 [8.1019e+00, 7.7488e-03, 6.9682e-01],  
 [3.3804e+00, 1.5883e-03, 1.7212e-01],  
 [2.1035e+00, 5.2197e-04, 1.7355e-01],  
 [3.8838e-03, 5.4887e-09, 6.0873e-04],  
 [1.0665e-01, 1.6777e-05, 1.5134e-02],  
 [1.1343e+02, 3.3526e-01, 4.2577e+00],  
 [6.9163e-02, 9.0192e-07, 9.8738e-03],  
 [6.3526e+00, 9.8212e-03, 3.5652e-01],  
 [1.7885e-02, 4.1520e-08, 2.6482e-03],  
 [6.0240e-01, 1.0937e-04, 7.3579e-02],  
 [1.0094e+00, 7.0594e-04, 1.3793e-01],  
 [9.9938e+01, 3.2341e-01, 2.1476e+00],  
 [4.3522e+00, 7.3948e-03, 2.7989e-01],  
 [4.6705e+01, 1.1666e+00, 2.8950e+00],  
 [2.3388e+00, 1.6667e-03, 1.6134e-01],  
 [2.1427e+00, 8.6169e-04, 1.7334e-01],  
 [4.8272e-01, 7.0933e-05, 5.3001e-02],  
 [1.0152e+02, 3.0905e+00, 2.5603e+00],  
 [3.8747e-01, 3.1355e-05, 4.4386e-02],  
 [2.5270e+01, 1.7756e-02, 2.1200e+00],  
 [6.0505e+01, 3.7874e-01, 2.7529e+00],  
 [2.1048e+00, 1.8728e-03, 2.3466e-01],  
 [3.8592e+00, 3.6852e-03, 2.0247e-01],  
 [5.7060e+01, 5.3979e-01, 3.3547e+00],  
 [3.6791e-01, 3.8150e-05, 3.7258e-02],  
 [1.3445e+01, 1.4868e-01, 1.3376e+00],  
 [5.0767e-03, 7.9681e-09, 8.0290e-04],  
 [4.5576e+01, 2.3439e-01, 1.3042e+00],  
 [1.6624e-01, 2.6152e-06, 2.1784e-02],  
 [6.3315e-01, 8.7339e-05, 6.2224e-02],  
 [2.1771e-01, 2.3486e-06, 2.2709e-02],  
 [1.4299e+01, 5.6737e-02, 1.3580e+00],  
 [2.1353e+02, 1.2409e+01, 4.8181e+00],  
 [1.8608e+02, 1.4569e+00, 3.8185e+00],  
 [8.3115e+00, 6.8531e-03, 7.7938e-01],  
 [4.8700e+01, 1.5738e-01, 2.0558e+00],  
 [4.3355e+01, 1.6577e-01, 2.7073e+00],  
 [2.6978e-01, 2.6724e-05, 2.5446e-02],

```

[1.3528e+01, 8.3999e-03, 6.9938e-01],
[8.3853e-03, 1.3463e-08, 1.2930e-03],
[4.1496e+01, 5.2513e-01, 1.2702e+00],
[3.3094e-01, 3.8209e-05, 4.0891e-02]], dtype=torch.float64)
Iteration: 177
Inputs: tensor([[8.5977e+20, 3.6272e+02, 1.2839e+01, 4.9120e+00],
[3.0700e+20, 4.1030e+02, 1.9815e+01, 5.8980e+00],
[8.3386e+18, 2.4379e+02, 1.2037e+01, 7.2331e+00],
...,
[8.3583e+18, 3.4659e+02, 1.1894e+01, 1.7837e+00],
[1.2028e+18, 3.3528e+02, 1.2212e+01, 6.5141e+00],
[2.1127e+19, 1.1904e+02, 1.5410e+01, 2.5236e+00]], dtype=torch.float64)
Target: tensor([[1.6208e+02, 2.6164e+00, 4.5292e+00],
[7.5242e+01, 1.1109e+00, 2.5167e+00],
[1.8466e+00, 1.0691e-03, 1.4967e-01],
[1.1066e+01, 9.7753e-03, 9.6467e-01],
[7.4166e+01, 4.5672e-01, 1.7769e+00],
[3.2064e+00, 7.3199e-04, 2.3417e-01],
[7.1480e+00, 7.0105e-03, 5.0725e-01],
[8.4755e+00, 2.6229e-02, 5.1543e-01],
[4.8069e+01, 6.7941e-01, 1.4252e+00],
[5.7862e+01, 8.6639e-02, 1.2476e+00],
[1.1573e+02, 1.6661e+00, 3.1229e+00],
[2.9497e+01, 3.0985e-01, 1.0238e+00],
[1.4624e+00, 6.6072e-04, 1.1792e-01],
[2.8247e+01, 8.9163e-02, 9.3897e-01],
[2.6882e-02, 7.1415e-08, 3.7922e-03],
[8.0283e-01, 1.5962e-04, 5.8634e-02],
[9.4151e-01, 2.1920e-04, 7.4445e-02],
[4.0441e+00, 1.9714e-03, 2.5894e-01],
[2.1335e-01, 3.8807e-05, 2.8165e-02],
[7.1639e-02, 4.5261e-06, 8.7410e-03],
[1.0276e+00, 4.1374e-05, 1.2137e-01],
[1.3205e-01, 9.1239e-06, 1.7233e-02],
[5.1249e-01, 6.5135e-05, 5.5491e-02],
[1.2266e-03, 2.4902e-10, 1.9981e-04],
[9.4482e-01, 2.9531e-04, 1.1200e-01],
[4.2341e+00, 2.3152e-03, 1.8973e-01],
[2.2889e-01, 1.7327e-05, 2.6924e-02],
[3.0020e-01, 2.9981e-05, 3.0565e-02],
[4.1425e+00, 5.6843e-03, 3.5003e-01],
[1.1488e+01, 3.1944e-02, 5.4120e-01],
[4.4516e+01, 7.6981e-02, 2.2998e+00],
[3.4126e+01, 8.3687e-02, 9.1560e-01],
[5.4393e+01, 1.5660e+00, 2.9227e+00],
[6.3380e+01, 1.4352e-01, 1.7849e+00],
[7.1659e+00, 2.7120e-02, 5.9168e-01],
[3.4083e+00, 1.7907e-03, 2.7173e-01],

```

[1.0253e-02, 5.3500e-08, 1.5914e-03],  
 [1.6744e+02, 3.2433e+00, 2.6789e+00],  
 [2.1485e+00, 7.7326e-04, 1.4951e-01],  
 [5.1791e-01, 5.7640e-05, 4.4990e-02],  
 [3.0873e+01, 3.5068e-01, 2.1357e+00],  
 [4.3568e+00, 2.8286e-03, 3.0344e-01],  
 [1.3971e+00, 1.2989e-04, 1.4473e-01],  
 [4.8914e+00, 3.5611e-03, 3.5974e-01],  
 [5.6380e+00, 5.4033e-03, 3.2971e-01],  
 [1.0018e+02, 9.6368e-01, 3.0355e+00],  
 [3.4726e+00, 2.6811e-04, 2.2483e-01],  
 [2.6465e-01, 7.3090e-05, 3.9538e-02],  
 [1.3403e-01, 6.2127e-07, 1.5483e-02],  
 [1.6737e+02, 5.1316e+00, 3.7193e+00],  
 [1.0703e-02, 5.6054e-08, 1.6308e-03],  
 [2.3096e-01, 1.4566e-05, 2.2209e-02],  
 [4.5424e+01, 5.0941e-01, 1.8798e+00],  
 [8.0469e-01, 1.7907e-04, 9.9966e-02],  
 [2.9414e+01, 3.8631e-01, 1.4598e+00],  
 [3.8593e+01, 7.6433e-02, 9.6877e-01],  
 [1.4997e+02, 4.5741e+00, 3.3113e+00],  
 [1.2382e+00, 8.0024e-05, 7.4122e-02],  
 [3.6125e+01, 2.3961e-01, 1.8017e+00],  
 [7.7962e-01, 1.5095e-04, 6.4008e-02],  
 [2.3251e+00, 5.6668e-04, 1.3690e-01],  
 [1.1449e+02, 2.0910e+00, 2.3909e+00],  
 [6.2151e+00, 2.0837e-03, 3.3482e-01],  
 [1.2728e+02, 2.1685e-01, 2.4685e+00],  
 [2.0429e+02, 1.6996e+00, 3.1417e+00],  
 [1.1471e-01, 9.0849e-06, 1.4329e-02],  
 [1.2463e+00, 6.3709e-05, 1.4354e-01],  
 [3.1258e+01, 1.7408e-01, 1.1299e+00],  
 [5.5430e-02, 7.4286e-07, 7.7434e-03],  
 [6.2881e-01, 1.5675e-04, 6.0081e-02],  
 [1.1664e+00, 1.0276e-03, 1.2329e-01],  
 [2.8845e-01, 8.9288e-06, 3.4912e-02],  
 [1.0331e+01, 2.1664e-02, 6.2793e-01],  
 [5.6042e+01, 1.0251e+00, 1.9584e+00],  
 [4.0267e-02, 6.4609e-07, 5.9004e-03],  
 [2.0264e+01, 1.1745e-01, 1.2587e+00],  
 [6.4941e-01, 2.1565e-04, 6.6537e-02],  
 [1.2175e+00, 5.3985e-04, 9.7989e-02],  
 [6.3278e+01, 8.9813e-01, 2.2422e+00],  
 [1.5302e+02, 3.9709e+00, 4.7782e+00],  
 [6.5945e+01, 2.5228e-01, 2.7754e+00],  
 [1.4690e+02, 2.7846e+00, 2.4531e+00],  
 [1.6433e+00, 9.0038e-04, 1.2010e-01],  
 [5.2332e-02, 2.2023e-06, 6.7494e-03],

[2.6961e-01, 1.3624e-05, 2.5856e-02],  
[4.8761e+01, 7.9874e-01, 2.1863e+00],  
[1.9545e+00, 3.7484e-04, 2.4495e-01],  
[1.2959e+01, 3.0496e-02, 6.6059e-01],  
[6.5243e+00, 7.3935e-03, 5.3077e-01],  
[4.8231e+01, 3.0149e-01, 1.5133e+00],  
[2.8992e+01, 2.2764e-02, 1.4538e+00],  
[1.2447e-01, 1.0296e-06, 1.6922e-02],  
[4.5450e+00, 2.9715e-03, 2.8838e-01],  
[1.7399e+00, 5.2960e-04, 1.1575e-01],  
[4.9503e+00, 7.9102e-03, 3.8777e-01],  
[2.1174e+01, 7.2072e-02, 1.3739e+00],  
[3.0816e-02, 3.2236e-07, 4.5781e-03],  
[9.7591e-02, 1.7057e-06, 1.3192e-02],  
[4.0210e+00, 1.7044e-03, 2.1742e-01],  
[2.6640e+01, 7.1894e-02, 1.7396e+00],  
[2.1399e+01, 1.6872e-01, 1.3225e+00],  
[2.2878e+02, 8.5254e+00, 4.5898e+00],  
[6.4888e+01, 3.7783e-02, 2.0610e+00],  
[8.9494e+00, 4.6455e-02, 5.5131e-01],  
[4.2267e+00, 1.0068e-03, 3.3155e-01],  
[1.1101e+02, 1.6681e-01, 4.4362e+00],  
[3.8998e+00, 5.0380e-03, 5.1004e-01],  
[5.9920e+00, 8.4614e-03, 4.0709e-01],  
[1.0353e+01, 1.3496e-02, 3.6294e-01],  
[1.7364e+01, 5.3529e-02, 6.4452e-01],  
[1.0327e+01, 4.0943e-02, 4.9617e-01],  
[3.9535e+00, 3.0214e-03, 2.3497e-01],  
[9.2853e-02, 8.0636e-06, 1.2257e-02],  
[1.8072e+01, 8.1344e-02, 1.5295e+00],  
[5.4678e+01, 3.3587e-01, 2.2672e+00],  
[2.1065e+01, 3.6158e-02, 6.4003e-01],  
[1.8910e+02, 3.5285e+00, 3.8882e+00],  
[1.1139e+02, 5.1181e-01, 1.9580e+00],  
[1.0686e+02, 3.0750e+00, 4.2929e+00],  
[9.9488e+00, 1.9690e-02, 8.0976e-01],  
[1.0819e-01, 5.0905e-06, 1.2817e-02],  
[8.8938e-02, 3.6338e-06, 1.1631e-02],  
[1.6862e-01, 7.2758e-06, 2.3134e-02],  
[1.4578e+01, 8.2944e-03, 8.5189e-01],  
[7.7442e-01, 5.6913e-05, 8.3581e-02],  
[4.2301e+01, 5.5516e-02, 1.3501e+00],  
[1.1601e-01, 9.1289e-06, 1.6210e-02],  
[2.6177e+01, 2.7614e-02, 1.1198e+00],  
[7.6476e-02, 2.0533e-06, 1.0207e-02],  
[6.3891e+01, 4.6887e-01, 1.4120e+00],  
[9.0703e-01, 1.9974e-04, 8.1334e-02],  
[2.9039e+00, 2.9460e-04, 1.9346e-01],

[1.5547e+00, 4.3780e-04, 1.5207e-01],  
[8.7149e+01, 8.9868e-01, 2.6750e+00],  
[1.1058e+02, 2.5912e+00, 4.2178e+00],  
[5.0847e+01, 1.0948e-01, 2.6484e+00],  
[7.6336e+01, 2.4812e-01, 2.9533e+00],  
[1.4345e-01, 7.1572e-06, 2.0199e-02],  
[6.1326e-01, 2.6258e-04, 7.0952e-02],  
[8.4680e+01, 2.2188e+00, 3.7629e+00],  
[3.1280e+01, 3.1376e-02, 2.1775e+00],  
[3.8372e-02, 2.2087e-07, 5.1602e-03],  
[2.4545e-01, 9.5972e-06, 3.2067e-02],  
[2.7407e-01, 3.3423e-05, 3.1091e-02],  
[2.1353e-01, 7.9925e-06, 2.5868e-02],  
[1.7985e-01, 1.0959e-05, 2.1165e-02],  
[4.3682e+01, 6.0678e-02, 2.8958e+00],  
[1.7317e-01, 8.1444e-06, 2.0417e-02],  
[2.7649e+01, 1.2988e-02, 2.0205e+00],  
[2.0214e+02, 4.1648e+00, 4.2539e+00],  
[2.6228e-01, 2.6015e-05, 3.3718e-02],  
[5.9321e+00, 4.2636e-03, 6.4029e-01],  
[1.4377e+00, 2.3438e-04, 1.1632e-01],  
[2.2078e+01, 1.4012e-01, 1.4786e+00],  
[4.7742e-02, 1.1427e-06, 6.2036e-03],  
[3.0373e+00, 1.7041e-03, 2.6661e-01],  
[2.5968e-01, 2.0211e-05, 2.3924e-02],  
[2.3893e+00, 1.8727e-03, 2.6376e-01],  
[1.7195e+00, 9.1135e-04, 1.3362e-01],  
[1.3830e-01, 5.4703e-06, 1.7927e-02],  
[5.1630e+01, 3.4116e-01, 1.1750e+00],  
[1.1874e+02, 1.2482e+00, 2.5281e+00],  
[1.8300e+00, 5.8237e-04, 1.5638e-01],  
[1.8721e+00, 4.9600e-04, 1.8227e-01],  
[8.0288e-03, 1.2383e-08, 1.2350e-03],  
[1.4367e+02, 6.1461e+00, 4.5560e+00],  
[3.7571e+00, 9.2575e-04, 4.1579e-01],  
[1.0754e+00, 1.4184e-03, 1.4413e-01],  
[4.3629e-01, 4.4122e-05, 3.2655e-02],  
[5.8496e+01, 3.7672e-01, 2.5806e+00],  
[8.0750e+01, 1.2711e+00, 2.1921e+00],  
[1.3399e+00, 1.3365e-04, 7.8022e-02],  
[6.4057e+01, 2.7704e-01, 2.1413e+00],  
[1.0463e+00, 2.0394e-05, 8.6174e-02],  
[4.5596e-01, 4.9640e-05, 3.6204e-02],  
[2.4290e+00, 1.1658e-04, 1.3148e-01],  
[1.8881e-01, 6.4684e-06, 2.1988e-02],  
[6.9149e+01, 6.8735e-01, 1.3757e+00],  
[3.2447e+00, 4.6283e-03, 1.9653e-01],  
[5.1741e+01, 3.6736e-02, 2.4082e+00],

[8.4972e+01, 1.2025e+00, 2.4267e+00],  
[1.3788e-01, 2.2868e-06, 1.8222e-02],  
[2.9215e+00, 8.3886e-04, 2.2425e-01],  
[1.0343e+02, 1.2355e+00, 1.8785e+00],  
[4.1589e+01, 3.7879e-01, 1.2638e+00],  
[7.1481e+00, 9.1521e-03, 3.5524e-01],  
[1.2719e+02, 3.3286e+00, 3.1548e+00],  
[5.2203e+00, 8.5870e-04, 2.7257e-01],  
[1.2822e+01, 8.1357e-02, 8.2417e-01],  
[1.8465e-02, 1.1987e-07, 2.7138e-03],  
[2.7855e+01, 1.1704e-01, 1.1073e+00],  
[4.3064e+00, 2.6351e-03, 2.1564e-01],  
[6.4825e+00, 2.0551e-03, 4.4993e-01],  
[1.6305e+00, 3.6489e-04, 1.2383e-01],  
[1.4774e+01, 4.4025e-02, 8.0588e-01],  
[8.7544e-01, 3.5743e-04, 7.6987e-02],  
[2.0052e+01, 1.6904e-02, 7.6397e-01],  
[7.2566e+01, 3.9992e-01, 2.2856e+00],  
[4.6228e+01, 3.7861e-01, 2.6493e+00],  
[2.2130e-01, 1.6745e-05, 2.5749e-02],  
[7.6278e-03, 1.0436e-07, 1.1599e-03],  
[2.3111e+00, 3.1050e-03, 2.0806e-01],  
[6.2005e+01, 1.1193e-01, 1.2178e+00],  
[1.0137e+02, 2.0999e+00, 3.7174e+00],  
[1.0060e+01, 1.5461e-02, 4.1804e-01],  
[1.3430e+00, 1.3263e-03, 1.6939e-01],  
[6.5031e-03, 1.0145e-08, 1.0246e-03],  
[2.2722e+01, 4.9778e-02, 9.1532e-01],  
[1.6665e+00, 5.7201e-04, 1.2506e-01],  
[1.7656e+01, 7.7673e-02, 1.1391e+00],  
[1.4010e+00, 3.6995e-04, 9.2169e-02],  
[1.1667e-03, 1.7568e-09, 1.8860e-04],  
[1.0220e+00, 2.2105e-04, 8.7033e-02],  
[4.2737e+01, 1.4624e-01, 1.2923e+00],  
[1.9908e-01, 1.1219e-05, 2.6369e-02],  
[1.2464e+02, 5.4303e+00, 3.7843e+00],  
[2.3029e-01, 2.2634e-05, 2.4689e-02],  
[8.5452e+01, 1.4248e-01, 2.3486e+00],  
[1.5283e+01, 6.7010e-03, 7.7799e-01],  
[6.2271e+00, 5.6673e-03, 2.6415e-01],  
[1.8216e+02, 2.3843e+00, 3.5935e+00],  
[3.4469e+00, 4.1595e-04, 3.4594e-01],  
[3.0467e+02, 6.3751e+00, 4.9446e+00],  
[3.8900e+01, 8.6164e-02, 1.6754e+00],  
[1.4991e+01, 5.1016e-02, 5.2112e-01],  
[6.4113e+01, 1.3648e-01, 2.7945e+00],  
[1.2432e+02, 9.7096e-01, 2.9776e+00],  
[8.2146e-03, 3.5664e-09, 1.2803e-03],

[2.0653e-01, 1.4273e-05, 2.4863e-02],  
[2.8975e+00, 1.7011e-03, 2.4530e-01],  
[2.2350e+00, 1.7396e-03, 1.4507e-01],  
[1.5383e+01, 8.5276e-02, 6.1927e-01],  
[4.3429e+00, 4.7731e-03, 2.8501e-01],  
[3.7756e-01, 2.0466e-05, 3.2836e-02],  
[1.2757e+01, 1.8461e-02, 7.4737e-01],  
[7.9997e+01, 1.8562e-01, 3.3915e+00],  
[1.5552e+00, 1.3078e-04, 1.1516e-01],  
[1.6874e+00, 3.1995e-04, 9.5225e-02],  
[5.9540e+00, 3.4723e-02, 7.1468e-01],  
[1.2094e+01, 2.7015e-02, 5.6225e-01],  
[2.7503e+01, 4.8459e-02, 1.6448e+00],  
[1.2715e+01, 1.2130e-02, 4.1047e-01],  
[3.0429e-03, 2.2702e-09, 4.7859e-04],  
[2.5392e-01, 2.7309e-05, 2.9837e-02],  
[1.1324e+01, 4.5868e-03, 5.9990e-01],  
[1.7897e+00, 2.5848e-04, 1.0696e-01],  
[1.1330e+02, 1.5932e+00, 2.7771e+00],  
[1.2592e-01, 3.4359e-06, 1.5207e-02],  
[6.3221e+01, 5.3199e-01, 2.3300e+00],  
[1.2374e+01, 7.5868e-02, 1.2970e+00],  
[6.3628e-01, 1.3943e-04, 6.6776e-02],  
[2.6092e-03, 8.4858e-09, 4.1127e-04],  
[2.7271e-01, 3.6288e-05, 2.8690e-02],  
[9.5295e+01, 1.2236e+00, 1.9821e+00],  
[7.5934e+01, 5.2154e-01, 2.4255e+00],  
[8.1961e+00, 6.3041e-03, 8.2089e-01],  
[1.0125e+00, 3.3501e-04, 6.8617e-02],  
[5.0149e-02, 3.4303e-07, 7.6634e-03],  
[1.5489e+02, 1.5567e+00, 4.1501e+00],  
[4.8426e-01, 1.2067e-04, 4.2252e-02],  
[4.0625e+00, 1.0315e-03, 4.3128e-01],  
[5.3979e+00, 5.7853e-03, 2.6138e-01],  
[1.8043e+02, 1.5198e+00, 4.3207e+00],  
[3.5239e+00, 4.2998e-03, 2.7630e-01],  
[3.3768e+01, 4.9170e-02, 1.8363e+00],  
[2.9815e-03, 5.5360e-09, 4.7320e-04],  
[1.0808e+02, 3.0567e-01, 3.1873e+00],  
[5.1602e+01, 4.8004e-02, 1.5889e+00],  
[4.1940e+01, 4.3392e-01, 1.3751e+00],  
[9.3652e-02, 3.4879e-06, 1.2040e-02],  
[3.8238e+01, 1.2039e-01, 1.1033e+00],  
[3.3598e-03, 2.3060e-09, 5.3426e-04],  
[7.9382e+01, 1.7322e-01, 1.7141e+00],  
[8.1441e-01, 1.4742e-04, 7.3358e-02],  
[1.6249e+02, 5.4022e+00, 4.4451e+00],  
[5.4416e+01, 2.7675e-01, 2.9860e+00],

```

[2.0098e+00, 1.2139e-03, 2.3541e-01],
[3.8090e+01, 5.3283e-01, 1.3873e+00],
[1.1858e+00, 2.5874e-04, 7.6698e-02],
[2.0965e+02, 8.4378e-01, 4.4648e+00],
[1.6826e+01, 4.5307e-03, 6.1062e-01],
[5.8205e-01, 1.8848e-04, 7.2853e-02],
[6.4782e+00, 4.8148e-03, 4.6112e-01],
[6.0260e-01, 1.6530e-04, 6.9098e-02],
[1.5484e-01, 3.9829e-06, 2.2473e-02],
[6.4293e-02, 3.9079e-07, 8.5979e-03],
[2.3558e+01, 2.1774e-01, 1.3292e+00],
[4.8759e+01, 3.0648e-01, 2.0486e+00],
[3.2541e+01, 2.1126e-01, 2.1250e+00],
[2.0525e+02, 2.2884e+00, 4.3094e+00],
[1.7499e+02, 5.9700e+00, 4.3581e+00],
[8.5442e-01, 2.8698e-04, 8.0974e-02],
[4.2509e+00, 1.5007e-02, 3.6850e-01],
[3.8395e+00, 4.4240e-03, 2.8465e-01],
[1.4478e+01, 1.1135e-01, 1.4158e+00],
[1.6692e+02, 3.8162e+00, 2.8657e+00],
[3.2395e+02, 8.8723e+00, 4.9531e+00],
[1.1429e+02, 9.2267e-01, 3.2562e+00],
[1.9669e-01, 5.8909e-06, 2.7669e-02],
[1.7419e-01, 8.4892e-06, 1.8404e-02],
[3.6091e-01, 6.2401e-05, 3.1664e-02],
[4.6740e+01, 1.8128e-01, 1.0146e+00],
[1.6632e+01, 4.8076e-02, 1.1157e+00],
[1.2080e+00, 3.2183e-04, 8.9247e-02],
[2.2257e+01, 3.7350e-02, 8.1244e-01],
[1.4564e+01, 2.1534e-02, 6.1879e-01],
[3.9268e+01, 3.7113e-01, 2.6071e+00],
[2.3179e-01, 5.6962e-05, 2.8674e-02],
[7.8853e+01, 6.8942e-01, 1.9051e+00],
[3.9244e-01, 3.0450e-05, 5.0991e-02],
[5.3139e-02, 1.2583e-06, 7.3112e-03],
[5.4345e+01, 1.3803e-01, 2.5552e+00],
[3.5215e-01, 5.0940e-05, 3.4269e-02],
[1.0483e+00, 3.7578e-04, 1.5300e-01],
[6.9569e+01, 9.1662e-01, 1.8855e+00],
[8.0688e+01, 1.2719e+00, 3.8994e+00],
[3.4406e-01, 2.2954e-04, 4.7413e-02],
[6.3608e-01, 3.6687e-05, 7.1033e-02],
[1.3927e-01, 7.8347e-06, 1.5337e-02],
[4.8390e-01, 6.4164e-05, 6.3132e-02]], dtype=torch.float64)

```

Iteration: 178

```

Inputs: tensor([[2.0162e+20, 2.5817e+02, 9.8991e+00, 8.1000e+00],
                [2.1201e+18, 2.3253e+02, 1.6820e+01, 8.7963e+00],
                [3.1782e+18, 4.8077e+02, 1.6848e+01, 5.4765e+00],

```



```

...,
[2.2290e+19, 1.6366e+02, 7.9574e+00, 1.4191e+00],
[2.0177e+20, 1.6855e+02, 9.8959e+00, 5.9830e+00],
[7.3907e+20, 6.7475e+01, 4.6275e+00, 9.9260e+00]], dtype=torch.float64)
Target: tensor([[6.4453e+01, 7.8412e-01, 2.0299e+00],
[1.8165e-01, 2.6904e-05, 2.1013e-02],
[6.5509e-01, 1.2444e-04, 5.9132e-02],
[7.9889e+01, 1.0220e+00, 2.7190e+00],
[5.3115e+01, 2.4889e-01, 2.4729e+00],
[2.5609e+01, 4.8581e-02, 9.6776e-01],
[1.3694e+02, 7.8804e-01, 3.8478e+00],
[2.9267e+00, 2.0811e-03, 2.7873e-01],
[7.0607e+00, 2.3604e-03, 2.6424e-01],
[4.4874e-01, 1.6739e-05, 4.8489e-02],
[1.2433e+02, 5.0824e-01, 2.3253e+00],
[1.8476e+01, 5.1856e-02, 8.4444e-01],
[2.5667e-01, 4.3414e-05, 2.8376e-02],
[9.3394e-01, 7.5515e-04, 1.0253e-01],
[3.5190e+00, 6.9115e-03, 3.8662e-01],
[1.1310e+02, 4.3465e-01, 3.2111e+00],
[2.0491e-01, 4.6120e-05, 2.7318e-02],
[8.1295e+00, 6.6427e-03, 3.8298e-01],
[3.1146e-01, 4.6596e-05, 3.0194e-02],
[5.0081e+01, 4.5293e-01, 1.9835e+00],
[7.4797e+00, 3.1260e-02, 6.9678e-01],
[4.7275e+00, 6.4886e-03, 4.1514e-01],
[1.3560e-02, 1.3106e-07, 2.0083e-03],
[9.8520e+01, 1.8545e+00, 2.5281e+00],
[1.2120e+01, 1.5016e-02, 6.6472e-01],
[1.6219e-01, 1.2312e-05, 1.8013e-02],
[2.2689e+01, 3.2212e-02, 1.4598e+00],
[1.6625e-01, 2.9227e-05, 2.1707e-02],
[1.6691e+02, 3.9073e+00, 4.3791e+00],
[1.3935e+02, 2.2475e+00, 2.5008e+00],
[2.3798e+01, 2.6933e-02, 1.1174e+00],
[1.2779e+02, 9.7767e-01, 3.9779e+00],
[2.1589e+01, 2.1782e-01, 1.7238e+00],
[2.0473e+00, 4.9609e-04, 1.2504e-01],
[1.6508e+02, 3.3092e+00, 4.5957e+00],
[4.1482e+00, 3.6530e-03, 2.2565e-01],
[5.3709e-02, 1.3544e-07, 7.2800e-03],
[4.3665e-01, 1.6307e-04, 4.6869e-02],
[1.3500e-01, 1.1946e-05, 1.7071e-02],
[5.8952e-01, 1.5543e-05, 6.6770e-02],
[5.0337e+00, 6.6907e-03, 6.0434e-01],
[3.0959e+02, 3.3345e+00, 4.5761e+00],
[9.8877e-01, 1.8603e-04, 1.3949e-01],
[7.9076e-02, 8.7420e-07, 1.0447e-02],

```

[9.2272e-01, 3.4651e-04, 7.4391e-02],  
 [4.4949e+01, 2.4459e-01, 1.6394e+00],  
 [5.1082e+00, 7.5092e-03, 3.6307e-01],  
 [3.2748e-01, 2.0704e-05, 3.1861e-02],  
 [2.7775e+00, 5.7804e-04, 2.4331e-01],  
 [2.6526e-02, 6.8280e-08, 3.9376e-03],  
 [4.9101e+00, 1.7555e-03, 5.1431e-01],  
 [1.3353e+02, 3.5495e+00, 3.1741e+00],  
 [1.5966e+01, 9.9200e-02, 7.2663e-01],  
 [6.1576e+00, 1.9955e-03, 2.9092e-01],  
 [1.6437e-01, 2.6339e-05, 2.1830e-02],  
 [1.6952e+00, 8.5064e-04, 1.0842e-01],  
 [1.0105e+02, 4.6569e-01, 3.8068e+00],  
 [2.4684e-01, 3.8349e-05, 2.2724e-02],  
 [1.8606e-01, 1.7250e-05, 1.9455e-02],  
 [5.9557e-01, 7.4813e-05, 4.8136e-02],  
 [7.2768e+01, 4.4082e-02, 2.5446e+00],  
 [1.2568e+00, 1.3095e-04, 1.2156e-01],  
 [2.0224e-02, 4.5707e-07, 3.1404e-03],  
 [1.7511e+00, 5.4915e-04, 9.5307e-02],  
 [7.5925e+01, 2.1301e-01, 2.3945e+00],  
 [5.6563e+01, 6.6728e-01, 1.7793e+00],  
 [4.0121e+01, 1.0863e-01, 1.0876e+00],  
 [5.1261e-01, 2.2395e-04, 6.8617e-02],  
 [6.6926e+00, 6.6923e-03, 7.3234e-01],  
 [2.8541e+01, 1.0983e-01, 1.3589e+00],  
 [2.0383e+01, 1.3332e-01, 8.4665e-01],  
 [1.1198e+00, 3.4878e-04, 1.0411e-01],  
 [3.3698e+01, 1.0142e-01, 1.9832e+00],  
 [6.7463e+00, 1.4193e-02, 4.8127e-01],  
 [2.3230e-01, 1.8024e-05, 2.5281e-02],  
 [2.0243e+01, 7.1393e-03, 8.3875e-01],  
 [1.4345e+02, 2.6238e-01, 2.7379e+00],  
 [1.8427e+00, 1.3021e-04, 1.8763e-01],  
 [3.5590e+01, 9.6693e-02, 1.9034e+00],  
 [6.8574e+01, 3.9276e-01, 2.2249e+00],  
 [5.6891e+00, 9.2641e-03, 3.7210e-01],  
 [1.6027e+01, 2.8493e-02, 5.0287e-01],  
 [4.0819e-01, 3.7659e-06, 4.8422e-02],  
 [1.0614e+02, 1.8904e+00, 3.1246e+00],  
 [3.8369e+00, 3.3453e-03, 1.9525e-01],  
 [1.1398e+02, 1.2986e+00, 2.8380e+00],  
 [1.8795e+00, 1.2094e-03, 1.4487e-01],  
 [6.4233e-01, 1.3632e-04, 5.1677e-02],  
 [6.2095e+01, 7.3518e-01, 3.2612e+00],  
 [1.5557e+00, 6.0662e-04, 2.0543e-01],  
 [1.2643e-01, 1.7219e-06, 1.7397e-02],  
 [1.0482e+01, 3.2462e-02, 5.1814e-01],

[1.0648e+00, 2.9666e-04, 1.1014e-01],  
 [9.6068e-01, 2.3783e-04, 7.8303e-02],  
 [2.7083e+00, 2.5650e-04, 1.8130e-01],  
 [1.3612e+01, 4.1448e-02, 1.1485e+00],  
 [4.5254e+00, 8.4710e-04, 3.3997e-01],  
 [4.1320e+01, 2.6260e-01, 2.6536e+00],  
 [2.3213e-02, 6.3377e-08, 3.3800e-03],  
 [1.1518e+00, 3.4850e-04, 9.3562e-02],  
 [4.2293e+01, 4.2976e-01, 1.2047e+00],  
 [3.3027e+00, 1.2490e-04, 2.0434e-01],  
 [1.5216e+00, 2.0304e-04, 1.4539e-01],  
 [5.3707e+01, 6.5731e-01, 1.5732e+00],  
 [8.2629e-01, 1.3458e-04, 7.9690e-02],  
 [1.5047e+01, 3.3434e-03, 7.6771e-01],  
 [1.8968e+01, 9.5234e-02, 6.7928e-01],  
 [1.7874e+02, 2.8040e-01, 3.5632e+00],  
 [8.1752e-02, 1.7729e-06, 1.1662e-02],  
 [6.3788e+01, 6.3792e-01, 1.2010e+00],  
 [7.7446e+00, 7.5105e-03, 4.7801e-01],  
 [3.0771e+01, 2.1107e-01, 1.1324e+00],  
 [2.7481e+01, 2.3772e-01, 1.0137e+00],  
 [2.8660e+01, 1.2981e-01, 9.5529e-01],  
 [4.5379e-01, 1.0990e-04, 4.6377e-02],  
 [1.3329e+02, 2.3475e+00, 4.5289e+00],  
 [2.6477e+00, 1.2689e-03, 1.4504e-01],  
 [4.5277e-01, 4.1700e-05, 6.6846e-02],  
 [1.3088e+01, 1.2956e-02, 8.9561e-01],  
 [2.3703e-01, 1.2115e-05, 3.3819e-02],  
 [1.3411e+01, 3.9297e-02, 1.0566e+00],  
 [1.3922e+02, 6.1825e+00, 3.7190e+00],  
 [4.0887e+01, 1.8151e-01, 1.3863e+00],  
 [2.9344e+02, 8.9938e+00, 5.1001e+00],  
 [2.8512e+00, 8.0060e-04, 2.0162e-01],  
 [1.5724e+01, 4.6350e-03, 6.5884e-01],  
 [7.6325e+00, 2.5521e-02, 5.1611e-01],  
 [5.2865e+00, 2.6767e-03, 2.1305e-01],  
 [8.3277e+01, 1.4511e-01, 3.5531e+00],  
 [1.4966e+01, 8.7024e-02, 8.2750e-01],  
 [8.0987e+01, 4.0318e-01, 1.6819e+00],  
 [1.4674e+02, 1.8608e-01, 3.3144e+00],  
 [1.0053e+02, 5.7718e-01, 1.9204e+00],  
 [3.3656e+00, 1.4044e-03, 1.7676e-01],  
 [2.8875e+01, 1.7946e-01, 1.1846e+00],  
 [3.9340e+01, 9.1580e-02, 1.0540e+00],  
 [4.3635e+01, 1.8559e-01, 1.0892e+00],  
 [3.2641e-01, 7.5088e-05, 4.1707e-02],  
 [3.3691e-02, 1.0278e-06, 5.2202e-03],  
 [2.8419e+01, 7.4426e-02, 8.2608e-01],

[1.1207e+02, 1.9926e+00, 3.4357e+00],  
[7.6129e+00, 9.7820e-03, 3.6192e-01],  
[1.0009e+02, 4.5377e-01, 3.1170e+00],  
[5.9876e+01, 1.8069e-01, 2.9794e+00],  
[4.6560e-02, 1.0213e-06, 6.3376e-03],  
[5.8868e-02, 5.3777e-07, 8.2955e-03],  
[2.3639e+00, 1.0520e-03, 1.7020e-01],  
[2.0851e+01, 9.8270e-02, 1.1094e+00],  
[1.4134e+00, 2.2777e-04, 1.4229e-01],  
[4.6696e+01, 2.8832e-01, 1.7425e+00],  
[2.4920e-02, 2.6854e-07, 3.5109e-03],  
[2.9142e+00, 4.1224e-03, 1.9211e-01],  
[3.2146e-01, 1.7244e-05, 3.7940e-02],  
[4.9913e+01, 2.6520e-01, 1.4130e+00],  
[1.1957e-01, 3.4628e-06, 1.4887e-02],  
[5.2210e-02, 1.6308e-06, 7.0516e-03],  
[4.9148e+00, 4.6070e-03, 4.1253e-01],  
[1.1546e+01, 2.7402e-02, 1.1780e+00],  
[7.7785e+01, 1.7213e+00, 3.4458e+00],  
[2.5678e-02, 2.8198e-07, 3.6720e-03],  
[3.3538e+01, 2.2019e-01, 1.0225e+00],  
[5.0167e-01, 4.6809e-05, 4.9062e-02],  
[1.2098e-02, 5.8583e-08, 1.8867e-03],  
[2.0126e+01, 1.1647e-02, 1.0056e+00],  
[7.0922e-01, 1.1840e-05, 6.0861e-02],  
[2.9861e+00, 6.0211e-03, 3.2404e-01],  
[3.3531e+00, 3.1195e-03, 2.0780e-01],  
[2.0527e+00, 4.6573e-04, 1.6936e-01],  
[3.2733e-03, 3.1284e-09, 5.1367e-04],  
[2.0190e-01, 7.3873e-06, 2.8281e-02],  
[8.6268e+01, 1.6089e+00, 2.6683e+00],  
[6.2477e+01, 1.2190e+00, 1.7553e+00],  
[6.5563e+01, 5.4297e-01, 2.5909e+00],  
[5.5152e+01, 3.1317e-01, 1.5438e+00],  
[2.9014e-01, 1.4913e-05, 3.0534e-02],  
[5.4466e+01, 6.0613e-01, 2.4974e+00],  
[1.7096e-03, 1.4862e-09, 2.7744e-04],  
[9.4783e-01, 2.3831e-04, 7.4125e-02],  
[1.6838e+01, 7.4883e-02, 1.1278e+00],  
[2.3755e+00, 4.7723e-04, 1.6944e-01],  
[1.4734e+02, 2.4103e-01, 2.7061e+00],  
[2.7214e+01, 1.0122e-01, 8.5129e-01],  
[1.3690e+00, 7.2131e-04, 1.0389e-01],  
[8.0596e-03, 9.2406e-08, 1.2235e-03],  
[5.7095e+00, 1.1020e-02, 4.2364e-01],  
[4.3333e-01, 1.0066e-04, 5.5920e-02],  
[5.2392e+00, 4.6683e-03, 2.9079e-01],  
[2.8870e+02, 1.1392e+01, 4.6415e+00],

[1.1783e+00, 3.4209e-04, 1.2648e-01],  
 [4.0109e-02, 3.2424e-07, 5.4354e-03],  
 [6.5345e+01, 1.2613e+00, 2.9743e+00],  
 [3.3294e+00, 2.5629e-03, 3.1891e-01],  
 [1.6522e+02, 3.8692e+00, 3.9795e+00],  
 [1.0408e+02, 1.0399e+00, 2.1117e+00],  
 [9.3990e+00, 1.6392e-03, 4.2343e-01],  
 [2.1053e-01, 3.0215e-05, 2.7893e-02],  
 [9.4899e+00, 4.3266e-02, 6.7225e-01],  
 [2.1018e-01, 5.4297e-06, 2.5383e-02],  
 [3.3844e+01, 5.3895e-01, 2.5197e+00],  
 [2.8864e+01, 1.2922e-01, 2.1897e+00],  
 [8.7577e-01, 7.6166e-05, 5.2824e-02],  
 [5.6681e-01, 1.8290e-04, 6.1070e-02],  
 [6.7597e+00, 1.2979e-02, 6.3348e-01],  
 [5.2326e-01, 1.9588e-04, 5.9689e-02],  
 [3.9093e-02, 2.1494e-07, 5.5799e-03],  
 [9.4477e-01, 4.2139e-04, 7.5816e-02],  
 [1.1646e+00, 9.9348e-04, 1.2158e-01],  
 [1.6852e+01, 5.1104e-02, 7.9999e-01],  
 [1.2450e+01, 4.9508e-02, 7.3169e-01],  
 [1.1958e+00, 2.2733e-04, 1.3781e-01],  
 [4.4401e+01, 1.6250e-01, 2.4609e+00],  
 [7.7125e-01, 1.5869e-04, 5.8451e-02],  
 [1.5958e+02, 5.3964e+00, 4.4319e+00],  
 [1.1565e+02, 9.7556e-01, 3.6071e+00],  
 [1.6921e-02, 3.5574e-08, 2.5592e-03],  
 [1.4872e+00, 4.4006e-04, 1.5682e-01],  
 [9.9225e+01, 6.3073e-01, 2.6318e+00],  
 [1.1840e+02, 1.7438e+00, 2.1981e+00],  
 [5.4559e+01, 6.6261e-01, 1.7408e+00],  
 [2.7843e+01, 2.8238e-02, 7.7911e-01],  
 [1.8494e+00, 8.5461e-04, 1.4517e-01],  
 [1.1312e-01, 3.7060e-06, 1.2590e-02],  
 [3.9992e+01, 7.8019e-02, 1.6377e+00],  
 [1.9620e+02, 2.5754e+00, 3.1351e+00],  
 [7.2208e+01, 9.8323e-01, 1.8944e+00],  
 [1.0957e+02, 2.5460e+00, 3.1586e+00],  
 [3.4505e+01, 8.6687e-02, 1.0245e+00],  
 [2.4821e+01, 1.2767e-01, 1.0934e+00],  
 [1.0563e+01, 3.2264e-02, 4.8218e-01],  
 [1.1998e-01, 3.4442e-06, 1.6662e-02],  
 [1.7572e+02, 7.6653e+00, 3.8940e+00],  
 [5.2950e+00, 1.7359e-02, 4.6844e-01],  
 [3.8655e+01, 5.5504e-02, 2.6228e+00],  
 [1.7360e-02, 9.4449e-08, 2.6447e-03],  
 [4.4033e+01, 3.7558e-01, 1.3444e+00],  
 [8.8826e+00, 1.0100e-02, 5.3797e-01],

[7.1956e-01, 5.3432e-05, 8.8479e-02],  
[1.0284e+02, 3.5754e+00, 2.5901e+00],  
[6.0894e+00, 2.2866e-03, 6.6073e-01],  
[5.7536e-03, 5.1069e-09, 9.1020e-04],  
[2.2855e+01, 3.4249e-02, 9.3098e-01],  
[1.3501e-02, 1.8205e-07, 2.0421e-03],  
[1.7162e+00, 2.3392e-04, 9.2457e-02],  
[5.7354e+00, 1.1981e-03, 4.4028e-01],  
[1.3476e+00, 7.5118e-04, 1.3287e-01],  
[4.2019e-01, 2.6029e-04, 5.4229e-02],  
[5.9936e-01, 1.7191e-04, 6.7590e-02],  
[2.7391e+00, 5.1616e-04, 2.0365e-01],  
[1.6821e+00, 4.0583e-04, 1.0040e-01],  
[1.2313e+01, 5.7674e-02, 5.3941e-01],  
[1.7655e+00, 1.1596e-03, 1.3693e-01],  
[1.0002e+02, 2.9280e-01, 2.3762e+00],  
[5.8376e-02, 2.8106e-06, 7.3416e-03],  
[1.5041e+00, 1.4077e-03, 1.6701e-01],  
[2.7291e+02, 1.1798e+01, 4.4369e+00],  
[5.0758e-01, 4.4840e-05, 6.6927e-02],  
[2.8772e+01, 1.4197e-01, 1.1819e+00],  
[1.9921e+01, 1.4362e-01, 1.1760e+00],  
[2.0505e+00, 3.9161e-04, 1.5963e-01],  
[3.5849e-02, 1.6620e-07, 5.1703e-03],  
[1.4639e-01, 3.8789e-06, 1.5389e-02],  
[1.1175e+01, 4.4594e-02, 8.7016e-01],  
[3.4228e+00, 1.6310e-03, 3.1936e-01],  
[1.9750e-01, 1.6617e-05, 2.0765e-02],  
[3.4419e+00, 7.1506e-04, 2.3037e-01],  
[3.3581e-02, 5.8580e-07, 4.7312e-03],  
[4.7017e+01, 1.2744e-01, 2.3993e+00],  
[7.0216e-01, 2.2829e-04, 6.6789e-02],  
[1.1204e+02, 4.4901e-01, 3.9880e+00],  
[5.0690e+01, 4.3068e-01, 1.8154e+00],  
[6.8173e+01, 1.0106e-01, 1.7345e+00],  
[7.7426e-01, 3.2219e-04, 6.4810e-02],  
[1.7087e+01, 2.7025e-02, 1.0534e+00],  
[9.9755e+00, 1.7412e-02, 5.4542e-01],  
[3.1781e-01, 9.6864e-06, 4.1649e-02],  
[6.2359e+00, 3.7761e-03, 3.9149e-01],  
[9.4598e-01, 1.4640e-04, 6.4801e-02],  
[5.3065e+01, 5.1738e-02, 1.3955e+00],  
[3.2419e+01, 1.8241e-01, 1.6613e+00],  
[4.1478e+01, 7.7207e-02, 2.7267e+00],  
[1.0694e-01, 1.9341e-06, 1.3785e-02],  
[8.3501e+01, 1.1051e+00, 3.1075e+00],  
[2.8470e-01, 1.0800e-04, 3.9891e-02],  
[2.0109e+01, 6.1870e-02, 1.3003e+00],

```

[2.6697e+01, 2.2542e-01, 1.1359e+00],
[2.9167e+01, 5.6683e-02, 2.1236e+00],
[9.9521e+01, 1.3206e+00, 3.2156e+00],
[1.2466e+01, 9.8775e-02, 9.7566e-01],
[4.3962e+00, 6.1819e-03, 3.2036e-01],
[4.7195e+00, 9.8929e-04, 2.3880e-01],
[6.6708e+00, 1.2587e-03, 5.0889e-01],
[2.9865e+01, 4.0339e-02, 1.2316e+00],
[5.3990e+00, 7.8022e-04, 2.3050e-01],
[2.3991e-01, 4.2265e-06, 2.6210e-02],
[3.0613e-02, 1.6024e-07, 4.5670e-03],
[5.2312e+00, 7.3691e-04, 3.2638e-01],
[3.9162e+01, 3.8621e-01, 1.6866e+00],
[1.3412e+02, 4.8781e+00, 4.1460e+00],
[2.2494e-01, 2.0893e-05, 2.7633e-02],
[1.4052e+02, 4.9887e-01, 2.7288e+00],
[3.5595e+00, 1.6170e-03, 3.3753e-01],
[8.6090e+00, 3.0187e-02, 5.7386e-01],
[1.7017e+01, 2.2833e-02, 9.8696e-01],
[1.4927e-03, 3.4428e-10, 2.4156e-04],
[1.2617e-01, 4.4095e-06, 1.5404e-02],
[2.4275e+02, 2.3223e+00, 4.8674e+00],
[3.3544e+00, 3.1821e-03, 2.4832e-01],
[5.8348e+01, 3.7776e-01, 2.9712e+00],
[2.8380e+02, 1.5662e+01, 4.8700e+00],
[2.1047e-01, 1.5763e-05, 2.9551e-02],
[2.9076e+01, 7.2448e-02, 1.9326e+00],
[4.0258e+00, 7.6956e-04, 1.7968e-01],
[3.0966e+00, 9.7334e-03, 3.6268e-01],
[3.3079e+00, 2.7588e-03, 2.8585e-01],
[4.7785e-02, 1.8487e-07, 6.3438e-03],
[1.3976e+01, 9.5262e-02, 8.1340e-01],
[3.4258e+00, 6.7579e-04, 1.5560e-01],
[1.0738e+00, 7.2666e-05, 1.2370e-01],
[3.9316e+01, 2.4413e-01, 1.7921e+00],
[7.5896e+01, 1.3768e+00, 3.5550e+00]], dtype=torch.float64)
Iteration: 179
Inputs: tensor([[2.0470e+18, 4.5537e+02, 1.3547e+01, 9.5592e+00],
[5.8866e+20, 9.7549e+01, 1.8599e+01, 1.0049e+00],
[1.0564e+18, 1.8071e+02, 9.9849e+00, 6.1773e+00],
...,
[1.1560e+19, 9.3991e+01, 1.5684e+01, 1.3119e+00],
[1.3672e+20, 1.9629e+02, 1.3178e+01, 1.4537e+00],
[2.4710e+19, 2.3164e+02, 1.7241e+01, 1.4230e+00]], dtype=torch.float64)
Target: tensor([[6.5312e-01, 1.8284e-04, 5.1390e-02],
[2.5768e+00, 9.4419e-04, 3.4637e-01],
[4.3520e-02, 9.0765e-07, 5.7307e-03],
[2.2085e+02, 1.0924e+01, 4.4686e+00],

```

[2.0440e+01, 4.2173e-02, 1.0239e+00],  
[1.6437e+01, 1.0359e-01, 9.8503e-01],  
[7.5536e+00, 1.8847e-02, 4.5389e-01],  
[2.7848e+00, 1.7176e-03, 1.8489e-01],  
[1.0189e+01, 3.1305e-02, 5.1214e-01],  
[7.2138e-02, 1.7027e-06, 1.0375e-02],  
[3.5378e+01, 8.2532e-02, 2.0656e+00],  
[7.8760e-01, 1.9820e-04, 7.9369e-02],  
[1.3737e-01, 1.3775e-06, 1.8143e-02],  
[2.9342e+00, 9.9079e-03, 3.0800e-01],  
[2.0691e+01, 1.6935e-01, 1.1229e+00],  
[2.5233e+01, 1.9668e-01, 1.0191e+00],  
[2.4498e-01, 9.9487e-06, 2.6350e-02],  
[1.9208e+01, 6.9326e-02, 9.2013e-01],  
[7.4937e-02, 7.7027e-07, 1.0468e-02],  
[2.0752e+01, 1.9870e-01, 1.1126e+00],  
[2.8919e+01, 7.3381e-02, 8.8974e-01],  
[2.6033e+01, 2.9510e-01, 1.3188e+00],  
[2.4107e+00, 2.9969e-04, 1.3047e-01],  
[3.9947e+00, 5.6739e-03, 2.2921e-01],  
[5.4424e+01, 4.7099e-01, 1.4977e+00],  
[1.4028e+00, 2.0217e-04, 1.0605e-01],  
[2.4515e-03, 6.3504e-09, 3.8983e-04],  
[1.0283e+00, 1.1659e-03, 1.2356e-01],  
[7.9597e-01, 1.1486e-04, 7.0085e-02],  
[1.1980e+01, 2.2991e-02, 5.2837e-01],  
[1.4182e+01, 2.0856e-02, 1.0458e+00],  
[1.6007e+01, 1.5880e-02, 7.7832e-01],  
[8.0489e+01, 6.4767e-01, 3.1240e+00],  
[9.7150e+01, 1.8659e+00, 2.2238e+00],  
[6.3885e-02, 4.0276e-06, 8.0697e-03],  
[6.7865e+01, 1.8207e-01, 2.5059e+00],  
[8.2534e-01, 1.5265e-04, 1.0712e-01],  
[6.8222e+00, 1.0038e-02, 3.2827e-01],  
[3.2263e-02, 8.9066e-07, 4.4260e-03],  
[3.9034e+01, 4.4069e-01, 1.6541e+00],  
[8.2009e+01, 1.4457e+00, 3.2177e+00],  
[3.4357e-01, 5.1385e-06, 3.4116e-02],  
[8.8524e-01, 2.2146e-04, 8.8864e-02],  
[1.2127e+02, 1.0110e+00, 4.3303e+00],  
[1.0470e+01, 6.5193e-02, 9.5762e-01],  
[4.0284e+00, 4.2418e-03, 2.7725e-01],  
[1.5602e+00, 2.3665e-04, 1.0577e-01],  
[3.3115e+01, 1.3527e-01, 1.0093e+00],  
[8.3225e+01, 1.8762e+00, 3.7036e+00],  
[6.1399e-02, 3.0612e-06, 7.9061e-03],  
[4.1388e+01, 9.8095e-02, 8.5957e-01],  
[3.9308e+01, 4.7583e-01, 2.0472e+00],



[2.8922e+01, 8.6737e-02, 8.1392e-01],  
[7.4040e-02, 5.3921e-07, 1.0052e-02],  
[1.4092e+01, 4.1732e-02, 5.0914e-01],  
[5.5924e+00, 1.1612e-02, 5.4656e-01],  
[1.1573e+01, 4.6196e-02, 9.3749e-01],  
[9.1744e+01, 8.3102e-01, 2.8501e+00],  
[2.9866e+01, 6.7810e-02, 1.2142e+00],  
[3.5549e-01, 3.3660e-06, 3.0884e-02],  
[5.4820e-01, 4.6802e-05, 7.7005e-02],  
[2.0292e+00, 3.6944e-04, 1.4649e-01],  
[1.0166e+01, 1.1279e-02, 3.2735e-01],  
[1.6385e-01, 1.4565e-05, 1.7642e-02],  
[2.2105e+02, 5.6159e+00, 3.7192e+00],  
[3.8901e-01, 5.1411e-05, 3.4449e-02],  
[3.3833e+01, 7.9331e-02, 1.8216e+00],  
[2.2380e-01, 2.1938e-06, 2.3479e-02],  
[2.9960e+02, 6.9736e+00, 5.1577e+00],  
[4.4518e+00, 7.8665e-04, 3.1432e-01],  
[1.8472e+00, 1.0410e-03, 1.1565e-01],  
[7.3065e+00, 1.3449e-02, 4.5936e-01],  
[1.9193e+00, 1.1248e-04, 1.6201e-01],  
[6.0836e+01, 1.3706e-01, 1.4624e+00],  
[1.1362e-01, 4.0242e-06, 1.2638e-02],  
[7.6291e+00, 7.5276e-03, 4.7071e-01],  
[2.1523e+01, 1.2401e-01, 1.3270e+00],  
[8.4789e+01, 1.3979e+00, 2.2270e+00],  
[5.1088e+01, 1.2586e-01, 2.2115e+00],  
[1.0624e-02, 6.0333e-08, 1.6943e-03],  
[4.7439e+01, 3.0370e-01, 2.7337e+00],  
[3.4195e-01, 1.9561e-05, 3.1624e-02],  
[7.3089e+01, 4.6487e-01, 2.0966e+00],  
[3.7064e+00, 2.0222e-03, 1.9418e-01],  
[7.4432e+01, 1.3653e+00, 3.8467e+00],  
[1.0411e+01, 1.0002e-02, 7.2727e-01],  
[2.7020e-01, 6.1069e-06, 2.7866e-02],  
[5.3428e+01, 1.7507e-01, 1.7107e+00],  
[4.1321e+01, 1.2668e-01, 2.1928e+00],  
[1.3744e+01, 5.6804e-03, 9.4366e-01],  
[7.9187e+01, 1.5448e+00, 2.1810e+00],  
[6.6394e-01, 4.2226e-05, 7.0108e-02],  
[2.0228e+00, 1.3622e-03, 1.7567e-01],  
[1.6538e+02, 5.7470e+00, 3.3974e+00],  
[3.4071e+01, 2.5629e-01, 1.4897e+00],  
[1.5930e-02, 5.5506e-08, 2.3645e-03],  
[1.3918e+01, 1.8250e-02, 8.5325e-01],  
[6.6642e+01, 4.0254e-01, 2.1050e+00],  
[1.3599e+01, 3.6464e-02, 7.8057e-01],  
[5.3242e-01, 4.3852e-05, 6.4118e-02],

[2.7787e+01, 1.7491e-02, 1.4356e+00],  
 [6.7596e+00, 4.9483e-03, 7.1548e-01],  
 [8.4873e-03, 1.4349e-07, 1.3340e-03],  
 [2.1228e+01, 4.7792e-02, 8.7953e-01],  
 [3.2072e-02, 3.9896e-07, 4.3557e-03],  
 [6.2983e+01, 2.5145e-01, 1.4460e+00],  
 [1.1431e+02, 1.2464e+00, 3.6688e+00],  
 [1.0729e+01, 1.5449e-02, 5.6750e-01],  
 [6.4979e-02, 3.6683e-07, 8.3884e-03],  
 [3.8787e+01, 3.9714e-01, 1.3080e+00],  
 [1.6498e+02, 5.9846e+00, 4.1528e+00],  
 [2.7473e+01, 4.5844e-02, 1.2694e+00],  
 [7.5684e+00, 6.6821e-03, 3.7723e-01],  
 [4.4621e-01, 4.9044e-05, 3.3945e-02],  
 [4.0003e+00, 5.2262e-03, 3.4509e-01],  
 [8.0406e-01, 1.2695e-04, 5.6798e-02],  
 [3.2906e+00, 2.1314e-03, 1.9263e-01],  
 [9.0888e+01, 3.8882e-01, 2.0340e+00],  
 [4.6583e+01, 4.3606e-01, 1.1237e+00],  
 [1.4745e-01, 1.9371e-06, 1.8750e-02],  
 [1.7285e+00, 8.5398e-04, 1.3267e-01],  
 [2.3440e+00, 3.4586e-04, 2.2908e-01],  
 [3.2280e+01, 7.9502e-02, 1.3030e+00],  
 [7.5967e+01, 1.2976e-01, 1.7542e+00],  
 [6.8224e+00, 2.5203e-03, 5.5456e-01],  
 [2.1903e-01, 5.5840e-06, 2.4357e-02],  
 [5.4902e-02, 1.8125e-06, 7.1877e-03],  
 [1.1086e-02, 1.8333e-08, 1.6801e-03],  
 [6.9891e-02, 3.5005e-06, 9.3729e-03],  
 [4.0677e-01, 3.5551e-05, 3.7273e-02],  
 [1.5132e+00, 6.0144e-04, 1.9922e-01],  
 [1.8165e+01, 1.1077e-01, 7.6224e-01],  
 [4.4993e+01, 2.3828e-02, 1.9615e+00],  
 [9.9561e-02, 1.1629e-05, 1.3511e-02],  
 [3.7859e-01, 1.3652e-05, 5.4742e-02],  
 [7.4019e+01, 1.5284e+00, 3.5199e+00],  
 [1.1168e+01, 8.5052e-02, 1.0142e+00],  
 [2.7614e+00, 2.3445e-03, 1.8660e-01],  
 [5.4741e+01, 9.5232e-01, 1.9524e+00],  
 [1.3899e+02, 1.3561e+00, 4.1933e+00],  
 [9.0312e+01, 2.1312e-01, 3.4307e+00],  
 [2.2710e+01, 1.7663e-01, 7.8744e-01],  
 [7.0181e-01, 2.1636e-04, 6.4445e-02],  
 [8.0998e+01, 7.7347e-01, 2.6689e+00],  
 [2.7990e-01, 4.1504e-05, 2.9361e-02],  
 [4.4653e+01, 4.8054e-01, 1.1993e+00],  
 [1.1761e+00, 2.1389e-04, 8.2101e-02],  
 [9.8302e-01, 3.8967e-04, 7.1009e-02],

[5.9723e+01, 1.6832e-01, 1.9462e+00],  
 [3.7239e+01, 1.3434e-01, 1.0005e+00],  
 [2.2773e+01, 1.7303e-01, 1.4575e+00],  
 [9.2465e-01, 2.8556e-04, 8.5204e-02],  
 [3.2633e+01, 1.6813e-01, 1.1251e+00],  
 [1.2553e+00, 2.5561e-03, 1.5317e-01],  
 [3.3260e+01, 1.3418e-01, 2.1484e+00],  
 [2.6758e-01, 8.6505e-06, 3.8232e-02],  
 [1.0850e+01, 3.7838e-03, 7.0598e-01],  
 [4.1397e+01, 2.3477e-01, 9.1214e-01],  
 [4.5030e+01, 1.9821e-01, 1.6068e+00],  
 [3.6030e+01, 9.2156e-02, 9.0030e-01],  
 [1.9577e+00, 7.8664e-04, 1.0760e-01],  
 [2.9178e+00, 1.0942e-03, 1.3434e-01],  
 [1.3696e+00, 6.8968e-04, 1.0414e-01],  
 [1.2158e+01, 1.8864e-02, 6.6612e-01],  
 [2.8843e+00, 1.6426e-04, 1.6442e-01],  
 [6.8400e+01, 2.4478e-01, 2.4800e+00],  
 [1.3956e+01, 4.4646e-02, 7.2820e-01],  
 [4.1076e+01, 2.7214e-01, 1.4065e+00],  
 [1.0389e+01, 4.4377e-03, 5.1709e-01],  
 [1.0833e+01, 2.5408e-02, 9.8430e-01],  
 [2.7828e+00, 7.5336e-03, 3.1289e-01],  
 [1.5236e+02, 1.9409e+00, 4.7280e+00],  
 [2.8401e-01, 3.0679e-06, 3.1897e-02],  
 [1.0455e-01, 5.3428e-06, 1.3900e-02],  
 [5.9833e+01, 5.8950e-01, 2.4258e+00],  
 [4.0523e-01, 3.5843e-06, 4.4056e-02],  
 [5.9648e-02, 7.4732e-07, 8.3297e-03],  
 [5.0945e+01, 7.3688e-01, 2.3080e+00],  
 [6.8982e-01, 2.0016e-04, 9.2612e-02],  
 [1.4355e+02, 1.6978e+00, 2.4926e+00],  
 [1.8704e+01, 1.6056e-02, 7.9834e-01],  
 [9.5581e+01, 1.0852e+00, 3.5546e+00],  
 [4.4327e+01, 1.8396e-01, 9.8014e-01],  
 [4.5526e+01, 8.2855e-02, 1.9594e+00],  
 [6.6862e+01, 9.7012e-02, 2.3071e+00],  
 [4.7464e-02, 2.4317e-07, 6.2104e-03],  
 [2.2136e+01, 9.6273e-03, 8.7511e-01],  
 [4.8475e+01, 5.7346e-01, 1.6968e+00],  
 [3.2280e-01, 2.4667e-05, 3.2713e-02],  
 [1.4023e-01, 9.3897e-06, 1.9923e-02],  
 [8.9467e+01, 1.3603e+00, 3.9330e+00],  
 [3.5304e+01, 1.2189e-01, 8.5447e-01],  
 [2.0711e+00, 1.8543e-04, 1.2665e-01],  
 [5.9293e+00, 5.6416e-03, 4.6496e-01],  
 [2.0524e-02, 3.6485e-08, 2.9620e-03],  
 [2.0949e+00, 4.6533e-03, 2.4395e-01],

[3.2161e+01, 1.5629e-02, 1.5467e+00],  
[1.4436e+01, 7.4355e-02, 5.7505e-01],  
[1.4647e+02, 6.5191e+00, 4.1302e+00],  
[6.0669e-04, 4.0473e-11, 9.9191e-05],  
[8.6346e+01, 3.0318e-01, 1.8518e+00],  
[7.6572e+01, 6.7171e-02, 2.7239e+00],  
[4.3967e+01, 4.9452e-01, 1.3661e+00],  
[1.6167e-01, 1.6912e-06, 1.7824e-02],  
[2.3868e+02, 6.0173e+00, 4.0236e+00],  
[2.4867e-01, 3.8776e-05, 2.4811e-02],  
[1.3670e+01, 4.2657e-02, 5.3263e-01],  
[1.3471e+02, 2.4416e+00, 2.9823e+00],  
[1.9710e-02, 3.4513e-07, 2.9870e-03],  
[1.1485e+01, 6.3134e-02, 7.3179e-01],  
[6.4509e+01, 8.2183e-01, 2.0377e+00],  
[1.7640e+00, 8.5095e-05, 1.2254e-01],  
[6.6709e+01, 1.3080e-01, 2.0572e+00],  
[1.7261e+01, 1.4401e-02, 9.7339e-01],  
[7.0927e-02, 7.7756e-07, 9.4590e-03],  
[2.1558e+02, 9.8191e-01, 4.2728e+00],  
[6.3541e-01, 2.9651e-04, 6.2055e-02],  
[4.4510e+01, 2.2609e-01, 1.8493e+00],  
[3.4855e+01, 6.0874e-02, 2.4699e+00],  
[2.2605e+00, 1.2731e-03, 1.5173e-01],  
[3.1580e+00, 2.1929e-03, 2.3096e-01],  
[1.5154e+00, 3.4655e-04, 1.9061e-01],  
[7.8250e-02, 1.8739e-06, 9.8801e-03],  
[3.8754e+00, 1.0371e-03, 3.6528e-01],  
[2.2199e+00, 1.8670e-03, 1.4764e-01],  
[2.6035e+01, 4.4813e-02, 1.0709e+00],  
[2.7431e+00, 1.9480e-03, 2.7562e-01],  
[1.6009e-01, 6.2595e-06, 1.7300e-02],  
[1.0844e+02, 1.8313e+00, 2.7220e+00],  
[6.5131e-02, 1.8644e-07, 8.7602e-03],  
[1.0476e+00, 8.6723e-04, 1.0973e-01],  
[1.5982e+01, 9.5880e-03, 7.4075e-01],  
[3.0179e+00, 8.7812e-05, 1.8468e-01],  
[1.3422e+00, 2.9663e-04, 8.0206e-02],  
[6.8976e-01, 1.1318e-04, 8.1978e-02],  
[4.5983e+01, 2.9891e-01, 1.4906e+00],  
[3.0934e+00, 1.7123e-04, 1.7950e-01],  
[6.4483e+00, 1.3057e-02, 5.7627e-01],  
[1.4183e+00, 8.4546e-04, 1.4745e-01],  
[2.0411e+01, 1.7134e-01, 1.0521e+00],  
[6.4347e+00, 3.2617e-02, 5.6245e-01],  
[1.8153e+00, 6.1992e-04, 1.7986e-01],  
[2.7555e+01, 1.1335e-01, 1.5822e+00],  
[7.8146e+00, 1.7706e-02, 4.3520e-01],

[1.7281e+01, 2.7946e-02, 9.5915e-01],  
[2.9685e+01, 1.3618e-01, 1.4134e+00],  
[4.8650e+01, 3.7570e-01, 1.4502e+00],  
[1.0072e+02, 3.5487e-01, 2.8651e+00],  
[3.1329e+01, 2.2273e-02, 2.0383e+00],  
[3.2460e+00, 3.2324e-03, 2.2804e-01],  
[3.6781e+01, 4.9088e-02, 2.0583e+00],  
[7.4445e+00, 5.7512e-02, 8.5816e-01],  
[1.4504e+02, 4.1138e+00, 4.3089e+00],  
[6.3449e+00, 1.6454e-02, 6.1403e-01],  
[9.4134e-03, 9.3164e-08, 1.4136e-03],  
[5.5087e+01, 1.6349e-01, 2.4902e+00],  
[9.9969e-03, 1.5011e-08, 1.5278e-03],  
[1.1509e+02, 3.5243e+00, 3.1865e+00],  
[1.8597e+00, 2.3261e-03, 1.7699e-01],  
[2.4908e+01, 2.3533e-01, 1.9530e+00],  
[6.4555e+00, 3.4056e-03, 4.3734e-01],  
[6.0904e+01, 7.4533e-02, 2.6177e+00],  
[1.8569e-01, 4.3356e-05, 2.7483e-02],  
[1.1828e+02, 1.5162e+00, 2.4169e+00],  
[7.4800e+00, 7.6180e-03, 3.3864e-01],  
[4.3475e+01, 1.7710e-01, 1.6534e+00],  
[6.6210e+01, 1.4012e+00, 3.3702e+00],  
[1.0524e-01, 2.9137e-06, 1.2994e-02],  
[2.0501e+01, 1.3006e-01, 1.5866e+00],  
[5.0383e+00, 1.8364e-02, 4.3800e-01],  
[7.6922e+01, 1.2324e+00, 3.5743e+00],  
[6.0654e+01, 5.6448e-01, 2.9718e+00],  
[2.7866e+00, 3.6971e-04, 1.5979e-01],  
[2.9156e+01, 5.0190e-01, 2.3562e+00],  
[3.3176e+01, 1.0341e-01, 2.0273e+00],  
[1.4474e+01, 1.5444e-02, 8.5144e-01],  
[9.3478e+01, 6.3970e-01, 3.3107e+00],  
[3.4929e+01, 1.7559e-01, 1.2693e+00],  
[1.2565e+02, 1.5029e+00, 2.8721e+00],  
[2.9564e-01, 2.2606e-05, 3.9910e-02],  
[2.1426e+01, 7.3409e-02, 1.2573e+00],  
[4.4049e-02, 9.3387e-07, 6.0697e-03],  
[6.4456e+01, 3.2878e-01, 2.5897e+00],  
[2.9294e+02, 2.6823e+00, 4.9574e+00],  
[1.5538e+01, 8.2921e-02, 7.7666e-01],  
[3.5780e+00, 1.5682e-02, 3.7473e-01],  
[1.1775e+02, 1.2793e+00, 2.3293e+00],  
[2.6322e-03, 1.9249e-09, 4.2429e-04],  
[7.3806e+01, 9.0672e-01, 2.1959e+00],  
[7.2748e+01, 6.0475e-01, 2.0074e+00],  
[6.7479e+01, 3.1317e-01, 1.6831e+00],  
[6.6679e-02, 5.2479e-06, 9.0870e-03],

```

[3.8153e+00, 8.3696e-04, 3.8742e-01],
[1.3363e-02, 4.2009e-08, 1.9796e-03],
[3.1738e-02, 9.1316e-07, 4.7878e-03],
[3.0634e+01, 1.3090e-02, 1.6854e+00],
[2.7004e+01, 1.0940e-01, 1.9230e+00],
[5.3766e+01, 1.9153e-01, 2.8546e+00],
[1.5738e+02, 1.2145e+00, 3.9836e+00],
[2.8755e+00, 6.4277e-04, 1.3374e-01],
[1.3476e+01, 2.7265e-02, 5.8961e-01],
[1.5571e+00, 4.9794e-04, 1.4084e-01],
[1.7513e+00, 4.4041e-05, 1.3826e-01],
[6.5593e-01, 8.3735e-05, 5.5446e-02],
[1.4059e+01, 1.3679e-02, 9.2084e-01],
[9.5297e+01, 1.4495e-01, 3.5355e+00],
[1.2995e+02, 2.8893e+00, 3.2692e+00],
[4.4382e+00, 7.7902e-03, 3.5902e-01],
[4.8225e-01, 1.2831e-04, 5.2903e-02],
[5.8192e+00, 4.2437e-03, 2.5459e-01],
[4.3851e+00, 9.9364e-04, 3.1793e-01],
[1.1688e+01, 2.4370e-02, 6.4522e-01],
[1.0826e+02, 1.2790e+00, 2.3324e+00],
[7.4137e-01, 1.6522e-04, 6.6526e-02],
[1.0078e+01, 3.4106e-02, 4.3225e-01],
[3.5351e-02, 9.8717e-07, 4.7453e-03],
[7.0942e+00, 1.6936e-03, 4.5418e-01],
[3.4095e-02, 2.1008e-07, 5.2676e-03],
[6.9761e+00, 4.0701e-03, 6.5896e-01],
[6.9846e-01, 7.4547e-05, 8.7773e-02]], dtype=torch.float64)
Iteration: 180
Inputs: tensor([[4.0114e+19, 2.6904e+02, 9.1891e-01, 6.6436e+00],
               [3.0237e+19, 1.6701e+02, 1.3820e+01, 1.3213e+00],
               [7.6420e+19, 4.2182e+02, 1.8917e+01, 9.7090e+00],
               ...,
               [2.2628e+20, 1.9500e+02, 9.9974e+00, 7.4811e+00],
               [4.0378e+19, 2.8024e+02, 5.7243e+00, 6.7808e+00],
               [2.5740e+19, 2.5857e+02, 1.9510e+01, 4.9796e+00]], dtype=torch.float64)
Target: tensor([[2.9421e+01, 5.4262e-02, 8.1852e-01],
               [6.8319e-01, 5.9103e-05, 8.7752e-02],
               [3.7376e+01, 5.3068e-01, 1.1734e+00],
               [3.9288e+00, 3.9727e-03, 2.4132e-01],
               [3.4965e+02, 8.7390e+00, 5.1804e+00],
               [7.8807e+00, 6.2153e-03, 4.0767e-01],
               [7.7591e-02, 7.5520e-06, 9.9092e-03],
               [7.5660e+00, 2.3135e-02, 5.5328e-01],
               [2.3527e-02, 9.1042e-08, 3.5055e-03],
               [2.5055e+01, 3.7467e-02, 7.3932e-01],
               [2.4481e-01, 6.7790e-06, 2.8382e-02],
               [1.4022e+02, 5.8320e-01, 3.9630e+00],

```

[2.8124e+00, 1.8533e-03, 2.0050e-01],  
 [5.2150e+01, 5.8427e-01, 1.3652e+00],  
 [8.4198e-02, 1.2399e-06, 1.1451e-02],  
 [6.3000e-01, 1.9646e-04, 6.4755e-02],  
 [1.6133e+01, 4.2288e-02, 7.8537e-01],  
 [1.8095e+02, 1.4021e+00, 4.6665e+00],  
 [4.5194e-03, 1.8891e-08, 7.2142e-04],  
 [3.4738e-01, 1.3726e-05, 3.5186e-02],  
 [4.3332e-01, 4.1834e-05, 3.6831e-02],  
 [2.8258e+01, 1.5464e-01, 1.1297e+00],  
 [3.4643e+01, 3.3386e-01, 1.5146e+00],  
 [6.9591e-02, 5.2584e-07, 8.5444e-03],  
 [9.2518e+01, 6.5804e-01, 2.2981e+00],  
 [3.4546e-01, 8.8995e-05, 3.9485e-02],  
 [2.1797e-01, 4.0772e-06, 2.2095e-02],  
 [4.1409e+00, 3.7904e-03, 2.8906e-01],  
 [4.2387e+01, 2.6822e-01, 2.0084e+00],  
 [1.5826e+00, 3.8374e-04, 1.7545e-01],  
 [4.5478e-01, 1.4651e-05, 4.9418e-02],  
 [1.8605e+01, 8.1644e-02, 6.7123e-01],  
 [2.3610e-01, 2.2071e-05, 2.4951e-02],  
 [1.2349e+02, 2.8289e-01, 3.2652e+00],  
 [8.5808e+01, 2.5749e+00, 3.2968e+00],  
 [1.9792e+00, 5.5653e-04, 2.3173e-01],  
 [5.5523e+01, 2.9328e-01, 2.9946e+00],  
 [3.9292e+01, 4.1862e-01, 1.4419e+00],  
 [5.8048e+01, 6.3418e-01, 2.7669e+00],  
 [4.9728e+01, 1.2051e-01, 2.3642e+00],  
 [9.5614e-01, 4.7516e-04, 7.8533e-02],  
 [6.4219e+01, 7.0738e-01, 1.8403e+00],  
 [3.2727e+01, 2.5161e-01, 1.1235e+00],  
 [3.7631e+00, 6.9434e-03, 4.9558e-01],  
 [6.8372e-02, 2.0447e-06, 8.5175e-03],  
 [2.5736e+00, 5.4819e-04, 2.5647e-01],  
 [3.3161e+00, 3.4238e-03, 2.2381e-01],  
 [4.8904e+01, 5.3741e-01, 2.0345e+00],  
 [5.7968e+01, 8.7427e-02, 2.9652e+00],  
 [5.5129e-01, 5.4572e-05, 6.3776e-02],  
 [1.4996e+00, 3.1706e-04, 1.0490e-01],  
 [5.6924e-02, 2.9728e-06, 8.3014e-03],  
 [1.3924e+00, 2.8441e-04, 8.5593e-02],  
 [1.0245e+01, 2.0368e-02, 6.0894e-01],  
 [9.8966e-02, 3.8514e-06, 1.2665e-02],  
 [4.2592e+00, 2.9222e-03, 2.6560e-01],  
 [5.4406e+00, 2.8323e-03, 3.5277e-01],  
 [1.5454e-01, 9.7466e-06, 1.5952e-02],  
 [1.0033e+02, 1.7181e+00, 3.2571e+00],  
 [1.6723e-01, 1.3180e-05, 1.8013e-02],

[2.7234e-01, 3.3755e-05, 3.9801e-02],  
 [3.3014e+01, 1.0242e-01, 8.9724e-01],  
 [3.2623e+00, 1.1666e-02, 4.0460e-01],  
 [1.2186e+02, 2.4701e+00, 4.1350e+00],  
 [8.5200e+01, 9.6142e-01, 3.3472e+00],  
 [2.2729e-01, 9.1848e-06, 2.7535e-02],  
 [8.8868e+01, 1.2024e+00, 2.1842e+00],  
 [3.2750e+01, 3.2321e-01, 1.4311e+00],  
 [3.4327e-01, 2.1743e-05, 2.8171e-02],  
 [2.8546e+00, 1.6435e-03, 1.8170e-01],  
 [3.8662e+00, 1.0005e-03, 3.1869e-01],  
 [1.1110e+01, 1.6390e-02, 3.8585e-01],  
 [1.2297e+01, 2.0112e-03, 3.9266e-01],  
 [4.8024e-01, 3.1179e-05, 4.9371e-02],  
 [1.3462e+00, 8.1630e-04, 9.8445e-02],  
 [4.5125e+01, 1.3660e-01, 1.7127e+00],  
 [3.0769e-01, 2.4217e-06, 3.3455e-02],  
 [1.3074e+02, 1.3957e-01, 2.9664e+00],  
 [1.6096e-02, 1.6554e-07, 2.3592e-03],  
 [4.8044e-01, 4.3197e-05, 4.6047e-02],  
 [5.4456e-01, 4.3554e-05, 5.9119e-02],  
 [1.5952e+01, 6.6113e-03, 5.2986e-01],  
 [9.2572e+00, 1.5432e-02, 4.3063e-01],  
 [3.1088e+01, 2.2236e-01, 2.5049e+00],  
 [1.1900e+01, 1.0267e-02, 4.5532e-01],  
 [1.4088e+01, 1.4319e-02, 7.9236e-01],  
 [1.0697e+02, 9.0913e-01, 3.4321e+00],  
 [1.0037e+00, 3.0568e-04, 9.5520e-02],  
 [6.6316e-01, 1.1997e-04, 6.4315e-02],  
 [2.8062e+00, 4.1574e-03, 2.1568e-01],  
 [2.4313e-01, 1.5480e-05, 2.8196e-02],  
 [1.2593e-02, 1.0345e-08, 1.9483e-03],  
 [6.3517e+01, 6.4927e-01, 2.1492e+00],  
 [1.7260e+01, 1.4848e-02, 1.2238e+00],  
 [7.0362e-02, 1.7146e-06, 1.0459e-02],  
 [5.0369e+00, 7.1129e-03, 3.3258e-01],  
 [1.9344e+00, 7.9686e-04, 1.1094e-01],  
 [6.9458e+01, 6.2328e-01, 1.6541e+00],  
 [1.2273e+02, 1.3796e+00, 2.6695e+00],  
 [3.9301e-01, 2.5673e-05, 5.8209e-02],  
 [1.8610e-01, 3.7864e-05, 2.6199e-02],  
 [1.0026e+01, 1.7715e-02, 6.8397e-01],  
 [1.4246e+01, 2.7015e-02, 6.1470e-01],  
 [7.1618e+01, 5.7049e-01, 2.9462e+00],  
 [4.3386e+01, 1.5928e-01, 1.1296e+00],  
 [5.2520e+00, 1.1567e-02, 3.1282e-01],  
 [6.3838e+01, 6.8520e-01, 2.1686e+00],  
 [1.2688e+02, 4.3293e+00, 3.4961e+00],



[8.8054e+01, 2.6118e+00, 2.6062e+00],  
 [1.0394e+02, 1.5329e+00, 2.7153e+00],  
 [4.1286e+00, 1.6665e-03, 2.2400e-01],  
 [5.7447e-02, 7.4690e-07, 7.3702e-03],  
 [1.0625e-01, 8.2328e-07, 1.3120e-02],  
 [3.4889e+01, 1.4120e-01, 1.5107e+00],  
 [1.0243e-01, 2.2544e-06, 1.2910e-02],  
 [4.9556e+00, 3.2876e-03, 5.3141e-01],  
 [1.0526e+01, 2.0505e-02, 5.8323e-01],  
 [1.1628e+02, 1.8158e+00, 2.1640e+00],  
 [1.0212e+00, 1.0709e-03, 1.2403e-01],  
 [9.5170e+01, 2.4480e+00, 3.1819e+00],  
 [8.3965e+01, 1.6310e+00, 3.8313e+00],  
 [1.7127e+01, 9.5374e-02, 7.5597e-01],  
 [4.3006e-01, 3.4312e-05, 4.4201e-02],  
 [3.2623e+00, 8.2608e-04, 2.0380e-01],  
 [1.1720e+02, 3.0368e+00, 4.3125e+00],  
 [3.3350e+00, 1.2487e-02, 3.6050e-01],  
 [3.2817e+01, 2.2638e-01, 1.9448e+00],  
 [7.1834e+01, 6.7200e-01, 1.7580e+00],  
 [1.3554e+00, 3.3648e-04, 1.8180e-01],  
 [5.7069e-01, 1.6952e-04, 6.4296e-02],  
 [3.5426e+01, 1.4090e-01, 1.3945e+00],  
 [9.4824e+00, 1.8649e-02, 1.0552e+00],  
 [2.5968e-01, 5.5124e-06, 2.5966e-02],  
 [8.6586e-02, 6.3263e-07, 1.1932e-02],  
 [1.0475e+01, 2.3014e-02, 4.8560e-01],  
 [2.9043e+01, 2.6771e-01, 9.5024e-01],  
 [1.3668e+00, 4.2426e-04, 1.4681e-01],  
 [1.5688e+01, 4.2470e-02, 5.9784e-01],  
 [6.9357e+00, 9.1403e-04, 4.2402e-01],  
 [1.4018e+01, 9.5816e-02, 1.2843e+00],  
 [1.4702e-01, 5.1799e-06, 1.9074e-02],  
 [4.7034e+00, 1.9116e-03, 4.4965e-01],  
 [1.7455e+00, 6.1238e-04, 1.4366e-01],  
 [2.3399e+02, 4.5337e+00, 5.0234e+00],  
 [2.2740e+02, 2.7556e-01, 4.6783e+00],  
 [8.2386e+01, 7.3934e-01, 3.1267e+00],  
 [2.9128e+00, 1.6462e-03, 1.5642e-01],  
 [1.5306e+01, 2.0775e-02, 5.9500e-01],  
 [6.0346e+00, 1.2470e-02, 3.6574e-01],  
 [4.3980e-03, 1.5291e-08, 6.8300e-04],  
 [1.1036e+01, 1.3057e-01, 1.0776e+00],  
 [5.3683e-02, 1.1958e-06, 8.3639e-03],  
 [2.2233e-01, 2.6425e-05, 2.8519e-02],  
 [8.0525e+00, 1.8867e-03, 5.2643e-01],  
 [5.1846e+01, 3.3198e-01, 1.2115e+00],  
 [7.3307e+01, 1.4411e+00, 3.1149e+00],

[9.4669e+01, 4.1545e-01, 2.1338e+00],  
[3.5836e+01, 7.7160e-01, 2.7207e+00],  
[3.1719e+01, 2.2006e-01, 1.7804e+00],  
[1.4263e+01, 2.8688e-02, 1.1344e+00],  
[4.4795e+00, 3.0364e-03, 3.0002e-01],  
[4.3531e+00, 3.3944e-03, 2.4756e-01],  
[2.1127e+02, 1.0837e+01, 4.8279e+00],  
[8.0631e+01, 4.5528e-01, 3.1504e+00],  
[1.5090e+02, 2.0499e-01, 4.4527e+00],  
[1.7107e+01, 1.7517e-02, 1.5346e+00],  
[1.2404e+01, 1.8452e-02, 5.7212e-01],  
[7.3139e+01, 4.8169e-01, 1.3651e+00],  
[9.5763e+01, 1.1703e+00, 3.8556e+00],  
[1.5618e+02, 3.6504e-01, 3.4718e+00],  
[5.0360e-01, 4.6079e-05, 6.2900e-02],  
[8.3916e-01, 1.5222e-04, 1.0566e-01],  
[5.0074e-03, 3.1363e-08, 7.8475e-04],  
[8.7185e+00, 1.3715e-02, 5.7093e-01],  
[4.8347e+00, 5.2683e-03, 2.2434e-01],  
[3.2224e-01, 1.1931e-05, 3.8479e-02],  
[4.8433e+01, 5.9087e-01, 1.2918e+00],  
[2.7976e+01, 4.6236e-02, 1.0384e+00],  
[3.4795e-01, 3.2447e-05, 3.6679e-02],  
[7.1620e+00, 8.8975e-03, 3.1657e-01],  
[5.8308e+00, 7.5136e-03, 4.2956e-01],  
[3.9847e-01, 3.0066e-05, 4.8513e-02],  
[6.0733e+01, 7.4474e-01, 1.4268e+00],  
[1.0337e+01, 1.4754e-02, 4.5893e-01],  
[1.2976e+02, 3.7671e-01, 2.9886e+00],  
[1.6182e+02, 2.2633e+00, 4.8035e+00],  
[2.5320e+01, 7.9900e-02, 1.0071e+00],  
[1.6372e+02, 9.0894e-01, 2.7184e+00],  
[8.3571e-01, 9.4368e-05, 8.9816e-02],  
[4.2186e-01, 6.3699e-05, 5.4811e-02],  
[3.1310e+01, 4.5300e-01, 2.0424e+00],  
[4.9021e+01, 6.3119e-02, 1.2612e+00],  
[2.5327e-01, 2.7437e-05, 3.0392e-02],  
[1.7178e+02, 2.1738e+00, 3.9275e+00],  
[5.1698e-02, 2.8757e-06, 6.6531e-03],  
[2.3224e-01, 2.6536e-05, 2.6387e-02],  
[3.2339e-02, 5.6079e-07, 4.7654e-03],  
[4.0471e-02, 3.0425e-07, 5.5734e-03],  
[1.2144e+01, 3.4485e-02, 6.1134e-01],  
[7.3861e+01, 1.2708e+00, 2.6409e+00],  
[8.6417e+00, 4.0096e-02, 6.3199e-01],  
[2.1174e+00, 2.6702e-04, 1.0644e-01],  
[1.4270e+01, 7.1353e-02, 9.8887e-01],  
[8.8650e+01, 8.0098e-01, 1.6582e+00],

[7.3216e+01, 9.1932e-02, 1.7717e+00],  
[1.7951e+00, 2.1781e-04, 2.0212e-01],  
[1.1688e+01, 3.5499e-02, 5.2153e-01],  
[5.6192e-01, 4.2018e-05, 5.2535e-02],  
[3.6235e-02, 2.0652e-07, 5.3446e-03],  
[3.5315e-03, 2.1280e-08, 5.5539e-04],  
[8.1194e+00, 2.3731e-03, 6.8395e-01],  
[1.5376e+02, 4.3548e+00, 4.4414e+00],  
[2.7411e+01, 1.6839e-01, 1.2575e+00],  
[2.0049e+01, 1.0038e-01, 8.3498e-01],  
[7.3739e-03, 1.2403e-08, 1.1612e-03],  
[9.7865e+01, 3.5042e-01, 2.4906e+00],  
[2.2334e+01, 1.2849e-01, 8.3069e-01],  
[1.9957e+01, 3.5791e-02, 8.0450e-01],  
[3.8997e+00, 2.4518e-03, 3.2709e-01],  
[3.3579e+01, 1.2252e-01, 1.2405e+00],  
[1.6813e+02, 3.3461e+00, 4.3582e+00],  
[2.2325e+00, 7.3108e-04, 1.3268e-01],  
[2.6258e+02, 9.1338e+00, 4.0751e+00],  
[5.0990e-02, 3.5290e-07, 7.3353e-03],  
[1.3961e+01, 6.6144e-02, 8.7525e-01],  
[6.3197e-01, 3.9878e-05, 6.7090e-02],  
[8.1121e-02, 4.1399e-06, 9.7956e-03],  
[2.6995e-02, 1.5918e-07, 3.8660e-03],  
[2.8547e+01, 4.1898e-02, 6.7199e-01],  
[8.7856e-02, 4.8719e-06, 1.0984e-02],  
[1.6537e+01, 8.3007e-02, 9.1375e-01],  
[8.1590e+01, 9.2975e-01, 2.1015e+00],  
[1.0852e+01, 1.8710e-02, 7.5382e-01],  
[2.1791e+00, 1.4594e-03, 1.9675e-01],  
[4.6804e-03, 3.6265e-08, 7.3217e-04],  
[1.0085e+02, 1.4436e+00, 2.8860e+00],  
[3.8795e+01, 5.5617e-01, 1.5026e+00],  
[4.8497e+01, 1.1382e+00, 2.2129e+00],  
[4.9351e+01, 3.7115e-01, 2.5245e+00],  
[5.1655e+01, 3.3712e-01, 1.1767e+00],  
[4.7252e-01, 2.1806e-04, 5.6778e-02],  
[1.8529e+01, 4.5125e-02, 1.0297e+00],  
[1.1905e+00, 3.0965e-04, 9.7827e-02],  
[1.1010e+01, 8.9007e-03, 8.5273e-01],  
[3.1779e-02, 3.6859e-07, 4.5252e-03],  
[7.0103e-02, 3.0041e-06, 8.6167e-03],  
[1.3470e-01, 4.8519e-06, 1.4586e-02],  
[5.4127e+01, 2.0509e-01, 1.6027e+00],  
[1.3765e-02, 4.6271e-08, 2.0446e-03],  
[1.5745e-01, 9.6141e-07, 1.8271e-02],  
[6.6993e+01, 3.3952e-01, 1.9035e+00],  
[1.7496e+02, 9.0861e-01, 2.6997e+00],

[7.5417e+01, 1.2101e+00, 3.4776e+00],  
[1.6649e+01, 2.1519e-02, 1.1445e+00],  
[7.0983e+01, 6.2998e-01, 1.7915e+00],  
[1.5098e+02, 2.8151e+00, 3.1116e+00],  
[6.0497e+01, 1.5118e-01, 2.6936e+00],  
[8.5579e+01, 1.1580e+00, 2.6956e+00],  
[1.5950e+02, 5.5833e+00, 3.9616e+00],  
[9.7812e+00, 3.0499e-02, 6.9335e-01],  
[2.3164e-02, 4.9582e-08, 3.3339e-03],  
[2.0293e+01, 1.7701e-01, 1.5517e+00],  
[3.9881e-01, 2.6167e-06, 3.0899e-02],  
[1.2193e-01, 6.5268e-06, 1.4748e-02],  
[2.1116e+01, 1.6600e-02, 8.7994e-01],  
[1.3324e+01, 2.0790e-02, 6.3858e-01],  
[1.2289e+01, 1.3354e-02, 6.3915e-01],  
[3.1952e+02, 1.1590e+01, 4.7869e+00],  
[1.2907e+00, 2.1695e-04, 9.3257e-02],  
[2.4413e-01, 2.8522e-05, 2.4758e-02],  
[8.9345e+01, 1.2748e+00, 2.7749e+00],  
[2.1364e+01, 2.5440e-02, 1.0453e+00],  
[1.6161e+01, 1.0088e-01, 1.5029e+00],  
[1.1990e+01, 5.7206e-02, 6.6710e-01],  
[2.9904e+00, 6.0806e-04, 2.4868e-01],  
[7.9639e-01, 2.2474e-04, 9.3774e-02],  
[6.7502e+01, 3.1509e-01, 3.1349e+00],  
[9.4613e-01, 1.8217e-04, 7.7100e-02],  
[1.2367e+01, 1.7750e-03, 4.7824e-01],  
[9.4276e+01, 1.3993e-01, 2.7536e+00],  
[2.8573e+00, 5.6525e-04, 1.9822e-01],  
[5.2877e+00, 5.4815e-03, 3.3700e-01],  
[4.4083e+01, 5.1518e-01, 1.6324e+00],  
[1.7919e-01, 1.9498e-06, 1.9463e-02],  
[5.3251e+00, 9.5523e-03, 3.7640e-01],  
[5.3923e+00, 5.8073e-03, 3.0654e-01],  
[1.2845e-01, 1.8161e-06, 1.4686e-02],  
[2.0582e+01, 2.2675e-02, 6.2081e-01],  
[5.6831e+01, 5.0718e-01, 1.8615e+00],  
[3.1893e+01, 2.5686e-01, 8.8878e-01],  
[2.0902e+01, 3.8502e-02, 6.1662e-01],  
[1.3651e+00, 5.1736e-04, 1.2461e-01],  
[6.4855e+01, 6.8787e-01, 1.6638e+00],  
[2.8356e+00, 4.7087e-04, 3.0193e-01],  
[3.6418e-01, 2.6764e-05, 3.8575e-02],  
[8.9687e+01, 1.7325e+00, 2.7644e+00],  
[1.8376e+02, 3.7416e+00, 4.0737e+00],  
[2.1091e+01, 1.5379e-01, 8.2991e-01],  
[1.0573e+02, 4.1328e-01, 3.0169e+00],  
[6.5901e+00, 4.0853e-03, 2.8532e-01],

```

[4.3922e+01, 7.3114e-02, 1.2196e+00],
[4.7760e+01, 4.3746e-01, 1.2537e+00],
[1.2816e+02, 1.6137e+00, 3.5871e+00],
[2.4461e+00, 1.4509e-03, 1.5908e-01],
[4.3214e-02, 8.2561e-07, 5.9057e-03],
[2.4686e+01, 4.9733e-02, 2.0218e+00],
[8.7352e-01, 2.5308e-04, 6.6882e-02],
[1.8618e-02, 1.7400e-07, 2.8793e-03],
[6.2979e+00, 8.5770e-03, 4.4316e-01],
[5.5595e-01, 3.4789e-05, 7.3816e-02],
[6.0823e+01, 6.6979e-01, 1.3227e+00],
[2.2869e+01, 3.1179e-02, 1.0056e+00],
[4.8811e+00, 1.4843e-02, 4.5397e-01],
[2.1054e+00, 2.1248e-03, 1.7135e-01],
[5.8303e+01, 3.2039e-01, 1.0464e+00],
[1.5394e+00, 1.5082e-04, 1.1919e-01],
[1.7292e+00, 3.5291e-04, 9.5607e-02],
[5.4208e+01, 5.5379e-01, 2.0543e+00],
[2.1740e+01, 5.6101e-02, 7.7564e-01],
[4.2851e+00, 5.9108e-03, 3.3681e-01]], dtype=torch.float64)
Iteration: 181
Inputs: tensor([[1.7696e+20, 6.5000e+01, 4.7577e+00, 3.1463e+00],
[7.1346e+19, 1.9632e+02, 2.7969e+00, 4.4738e+00],
[5.9897e+20, 2.1099e+02, 1.3308e+01, 5.8671e+00],
...,
[2.8899e+18, 4.8434e+02, 1.3356e+01, 8.6858e+00],
[1.0925e+19, 1.6425e+02, 1.6514e+01, 5.5996e+00],
[3.3163e+19, 4.5387e+02, 1.8911e+01, 9.1145e+00]], dtype=torch.float64)
Target: tensor([[1.2786e+01, 1.2584e-02, 1.0239e+00],
[3.0752e+01, 4.6372e-02, 1.0919e+00],
[8.9782e+01, 1.2611e+00, 3.4525e+00],
[1.6442e+01, 6.2321e-02, 1.3431e+00],
[8.3425e+01, 1.4480e+00, 3.7045e+00],
[1.3366e-02, 2.6359e-07, 2.0709e-03],
[1.2133e+00, 2.4735e-04, 9.2588e-02],
[9.5198e+00, 2.4566e-02, 4.6762e-01],
[1.3047e+01, 1.2820e-02, 7.5992e-01],
[5.2646e+01, 8.3577e-01, 2.5560e+00],
[9.5860e+00, 5.6365e-02, 7.1310e-01],
[1.0728e+00, 4.1375e-05, 9.7701e-02],
[8.6398e+00, 1.8817e-02, 5.5644e-01],
[8.1843e+01, 1.0783e+00, 2.4151e+00],
[3.2892e+01, 6.0304e-02, 2.0446e+00],
[1.2188e-01, 5.9171e-06, 1.6441e-02],
[3.8045e-01, 6.5976e-05, 4.7998e-02],
[8.7587e+00, 1.8667e-02, 7.9317e-01],
[1.8174e+00, 1.2834e-03, 1.5135e-01],
[1.0074e+01, 4.1500e-03, 5.9918e-01],

```

[2.9050e-01, 3.0568e-05, 2.7158e-02],  
[7.3299e+01, 8.0153e-01, 1.5963e+00],  
[1.7026e+02, 2.3054e+00, 4.1140e+00],  
[1.7008e+00, 9.3454e-04, 1.2522e-01],  
[1.0487e+02, 2.2378e+00, 3.7555e+00],  
[1.8041e+02, 7.5579e-01, 3.5983e+00],  
[3.2788e-01, 6.0509e-05, 2.9357e-02],  
[5.3777e+00, 8.4279e-03, 4.3059e-01],  
[3.0224e-01, 5.1418e-05, 3.7876e-02],  
[3.1559e-01, 2.2875e-05, 3.6144e-02],  
[1.4502e+01, 5.4168e-02, 9.3038e-01],  
[1.4049e+00, 2.5378e-04, 1.6283e-01],  
[3.1400e+01, 2.3784e-02, 6.9491e-01],  
[8.3799e-02, 4.2334e-06, 9.9105e-03],  
[2.2130e+01, 7.5071e-02, 9.8589e-01],  
[1.2956e+01, 8.2402e-02, 1.0633e+00],  
[6.2804e-02, 1.3637e-06, 7.9701e-03],  
[4.8238e+01, 2.6974e-01, 1.5800e+00],  
[7.4638e-01, 1.3957e-04, 9.5946e-02],  
[2.7307e+00, 9.1297e-04, 1.8599e-01],  
[1.1906e-01, 2.2579e-06, 1.5144e-02],  
[1.9649e+01, 4.2062e-02, 5.4558e-01],  
[1.1791e+02, 2.9488e+00, 2.6088e+00],  
[4.4691e+00, 3.2261e-03, 5.3433e-01],  
[7.6178e+01, 1.3874e+00, 2.3368e+00],  
[2.5603e+01, 6.4096e-02, 1.0655e+00],  
[1.6151e+01, 3.9157e-02, 4.8185e-01],  
[1.6674e+01, 1.6525e-01, 1.1412e+00],  
[1.6242e+02, 3.3420e+00, 4.6153e+00],  
[4.7304e+00, 1.8427e-03, 4.3342e-01],  
[5.5829e+01, 2.0722e-01, 2.3665e+00],  
[5.0560e-01, 5.3600e-05, 6.9195e-02],  
[1.2136e+01, 8.7686e-03, 6.6785e-01],  
[2.4535e+02, 5.6281e+00, 4.9725e+00],  
[7.5623e-01, 9.5503e-05, 8.8840e-02],  
[3.4740e+01, 1.2472e-01, 1.4001e+00],  
[6.0698e+00, 2.1246e-02, 4.7859e-01],  
[3.3293e+00, 3.3815e-04, 2.7625e-01],  
[3.6988e-01, 3.5917e-06, 3.4418e-02],  
[9.7956e-03, 2.0629e-08, 1.5689e-03],  
[2.3051e+02, 7.6295e+00, 4.7335e+00],  
[2.4113e+00, 1.5630e-03, 2.1924e-01],  
[3.1838e+01, 1.4400e-01, 1.3441e+00],  
[1.5195e+00, 1.7942e-04, 1.4883e-01],  
[4.3328e-01, 1.0116e-04, 4.1426e-02],  
[8.0370e-02, 4.9696e-06, 1.1991e-02],  
[1.0546e+00, 1.2901e-04, 1.2699e-01],  
[6.3449e+01, 1.2032e+00, 2.4884e+00],

[2.8166e-02, 2.2558e-07, 3.9271e-03],  
 [8.9958e-02, 1.1102e-06, 1.0923e-02],  
 [5.9233e-01, 4.2360e-05, 6.9365e-02],  
 [1.2393e-01, 6.4565e-06, 1.3862e-02],  
 [7.4104e-01, 1.0994e-04, 6.4612e-02],  
 [4.9021e-01, 3.8146e-05, 4.3502e-02],  
 [2.3915e+01, 1.3256e-01, 8.0689e-01],  
 [1.0950e+01, 6.5926e-03, 8.1614e-01],  
 [7.0307e+00, 6.4204e-03, 4.0864e-01],  
 [1.9667e-03, 2.6283e-09, 3.1555e-04],  
 [2.4035e+01, 8.4874e-02, 6.8742e-01],  
 [8.4493e+01, 1.8550e-01, 3.8353e+00],  
 [1.3439e+02, 1.1100e+00, 4.1812e+00],  
 [1.8632e-01, 6.3794e-06, 1.9371e-02],  
 [8.8090e-01, 5.8721e-04, 9.7953e-02],  
 [3.1907e-01, 1.6487e-05, 4.1721e-02],  
 [1.0028e+01, 5.7048e-02, 8.1723e-01],  
 [2.2849e+01, 1.0927e-01, 1.6064e+00],  
 [6.7957e+01, 9.4153e-01, 1.6059e+00],  
 [9.3896e-03, 1.2889e-07, 1.4076e-03],  
 [4.0942e+00, 3.0783e-03, 3.0992e-01],  
 [9.3391e-02, 7.6925e-06, 1.2724e-02],  
 [9.6559e-01, 1.8566e-04, 8.9340e-02],  
 [3.0767e+00, 4.4881e-03, 2.2844e-01],  
 [1.3659e+01, 1.3228e-02, 1.3772e+00],  
 [1.9224e+02, 3.3714e+00, 3.9875e+00],  
 [3.1280e-01, 1.7036e-06, 2.9296e-02],  
 [9.0567e-01, 2.4046e-04, 6.4380e-02],  
 [1.1754e+00, 3.6061e-04, 1.0968e-01],  
 [1.2764e+01, 5.9314e-02, 1.2948e+00],  
 [9.7962e+00, 2.7260e-02, 4.4019e-01],  
 [5.2429e-01, 2.4290e-05, 5.5982e-02],  
 [3.5592e-01, 2.5880e-05, 4.5001e-02],  
 [3.3827e+01, 5.4965e-01, 1.8933e+00],  
 [1.3512e-01, 4.5571e-06, 2.1160e-02],  
 [6.3259e+01, 9.3607e-01, 2.5706e+00],  
 [4.1528e+01, 5.8487e-02, 2.0655e+00],  
 [1.1679e+01, 2.2473e-02, 5.6600e-01],  
 [4.3470e+01, 5.0492e-01, 1.2113e+00],  
 [7.1080e-01, 1.2665e-04, 5.1560e-02],  
 [2.2139e+00, 2.5981e-04, 1.7559e-01],  
 [4.0847e+00, 5.7480e-03, 2.5568e-01],  
 [2.5600e+01, 3.6818e-02, 1.3965e+00],  
 [1.5229e+00, 1.2863e-03, 1.4149e-01],  
 [1.4222e-02, 9.5571e-08, 2.0937e-03],  
 [2.5192e+01, 1.1766e-02, 1.2702e+00],  
 [5.0957e-02, 2.1371e-06, 6.6537e-03],  
 [4.5866e+00, 1.0626e-02, 5.8077e-01],

[7.2166e-01, 2.9913e-04, 7.3012e-02],  
[6.9209e+01, 2.4679e-01, 1.5702e+00],  
[3.1628e-01, 1.7041e-05, 3.6000e-02],  
[3.6232e+00, 1.0210e-03, 1.8705e-01],  
[3.3666e-01, 8.0367e-06, 4.3661e-02],  
[5.7630e+00, 2.9956e-03, 5.0263e-01],  
[1.4771e+01, 3.4763e-02, 6.0682e-01],  
[8.6670e+00, 2.8850e-02, 8.0590e-01],  
[4.8106e+01, 5.2191e-01, 2.2249e+00],  
[2.4173e+02, 5.0813e+00, 4.9338e+00],  
[9.6677e-02, 6.9124e-06, 1.2031e-02],  
[3.7227e-01, 5.8264e-06, 3.8323e-02],  
[4.5909e-01, 4.7641e-06, 5.2555e-02],  
[8.6733e-01, 9.2993e-05, 7.7535e-02],  
[9.4754e+01, 2.7512e-01, 3.9795e+00],  
[6.0002e+01, 3.4738e-01, 1.4612e+00],  
[1.2703e+02, 1.8578e+00, 4.1089e+00],  
[5.3272e+00, 1.1722e-02, 3.8837e-01],  
[8.7503e+00, 6.7179e-04, 3.5698e-01],  
[3.2062e-01, 7.7621e-05, 3.2690e-02],  
[8.4987e-01, 1.6276e-04, 8.1126e-02],  
[4.9121e+00, 2.0583e-03, 3.2767e-01],  
[5.5110e+00, 3.3346e-03, 2.1710e-01],  
[1.3254e+01, 8.8129e-02, 1.3571e+00],  
[2.6684e+00, 4.0346e-03, 2.0131e-01],  
[5.4840e+01, 2.5639e-01, 1.1640e+00],  
[1.3598e+00, 2.4089e-04, 1.1520e-01],  
[3.8462e+01, 1.2002e-01, 1.9171e+00],  
[3.8704e+00, 1.2010e-03, 2.1398e-01],  
[1.4535e+01, 3.9021e-02, 5.0821e-01],  
[1.7984e+01, 1.0214e-01, 8.1375e-01],  
[1.4244e+01, 1.0735e-01, 1.4765e+00],  
[2.2953e-01, 9.8303e-06, 3.3712e-02],  
[8.4956e+01, 9.3260e-02, 3.4854e+00],  
[1.7896e+01, 4.3952e-02, 7.9761e-01],  
[1.3903e+01, 8.1838e-02, 9.7067e-01],  
[3.1604e+01, 1.3519e-01, 1.1213e+00],  
[1.1909e+02, 4.2096e+00, 3.6888e+00],  
[4.1849e+00, 5.9196e-03, 3.9210e-01],  
[7.6973e+01, 8.7595e-01, 3.1662e+00],  
[1.9824e-01, 2.2912e-05, 2.2506e-02],  
[9.2151e-01, 1.3774e-04, 6.8889e-02],  
[1.0925e+00, 1.9669e-04, 1.2600e-01],  
[4.7796e+00, 3.0517e-03, 4.2838e-01],  
[5.5977e+01, 1.2325e+00, 2.6425e+00],  
[1.6379e+00, 4.4946e-04, 2.0735e-01],  
[7.4278e+01, 1.3097e+00, 3.2421e+00],  
[3.1988e+00, 9.7737e-04, 3.1503e-01],



[4.2296e+00, 2.2547e-03, 2.7472e-01],  
 [3.5375e+00, 1.1926e-03, 1.9295e-01],  
 [1.7946e+00, 2.0722e-04, 1.4113e-01],  
 [1.7425e+01, 3.6863e-02, 5.5691e-01],  
 [1.5363e+00, 2.3665e-04, 8.2203e-02],  
 [3.1611e+01, 1.8492e-01, 1.3966e+00],  
 [3.8521e+01, 5.8543e-02, 1.1890e+00],  
 [4.6818e-01, 1.3717e-04, 4.5070e-02],  
 [5.5085e-01, 3.9086e-05, 4.9112e-02],  
 [2.1821e+00, 9.5412e-04, 1.3336e-01],  
 [7.8610e-02, 1.4541e-06, 1.1989e-02],  
 [1.3955e-03, 1.1604e-09, 2.2513e-04],  
 [1.3545e+01, 7.9827e-02, 8.2943e-01],  
 [2.1827e+01, 5.8753e-02, 9.8440e-01],  
 [7.3677e-01, 4.1178e-04, 8.8586e-02],  
 [7.6951e+01, 6.8641e-02, 3.1304e+00],  
 [4.3241e-02, 6.7823e-07, 5.8442e-03],  
 [1.4656e-01, 5.8302e-06, 1.8310e-02],  
 [5.0090e+01, 7.0037e-01, 3.1819e+00],  
 [8.3351e+00, 1.2464e-02, 6.8328e-01],  
 [1.7690e+00, 9.9526e-04, 1.1803e-01],  
 [4.7045e+01, 1.5321e-01, 1.4975e+00],  
 [8.5391e+00, 8.2309e-03, 3.6421e-01],  
 [9.1289e+01, 1.3415e+00, 3.2851e+00],  
 [3.3993e-01, 2.9093e-05, 3.7419e-02],  
 [4.7448e-01, 1.1969e-05, 4.3487e-02],  
 [1.9869e+02, 4.7336e+00, 4.9765e+00],  
 [3.4031e-02, 1.7333e-07, 5.1624e-03],  
 [8.8682e+01, 1.5961e+00, 2.1438e+00],  
 [3.7397e+00, 5.3927e-03, 4.0020e-01],  
 [3.5618e-01, 3.3118e-05, 3.5728e-02],  
 [1.1802e+00, 5.7622e-04, 1.1964e-01],  
 [3.7675e-01, 1.1292e-04, 4.7875e-02],  
 [1.3212e-01, 4.8546e-07, 1.5404e-02],  
 [2.2860e+01, 5.9242e-02, 8.3023e-01],  
 [3.5124e-02, 5.4433e-07, 4.7204e-03],  
 [2.0111e+00, 2.8413e-04, 1.2941e-01],  
 [2.4328e+02, 1.5203e+00, 4.4614e+00],  
 [7.8558e+01, 1.6309e-01, 1.7162e+00],  
 [7.1631e+00, 5.2946e-03, 8.3456e-01],  
 [4.1097e+01, 2.2413e-01, 1.2722e+00],  
 [5.9274e+01, 1.0991e+00, 2.1610e+00],  
 [7.0375e+00, 2.1699e-02, 4.1212e-01],  
 [4.7874e+01, 2.5421e-01, 2.4046e+00],  
 [2.0045e+02, 3.4366e+00, 4.2181e+00],  
 [1.0459e+01, 3.4165e-02, 5.2316e-01],  
 [2.3656e+01, 1.2227e-01, 9.0263e-01],  
 [7.3289e+01, 1.9048e-01, 2.5304e+00],

[5.7858e-02, 1.1997e-06, 7.6808e-03],  
 [7.0236e-01, 2.0762e-04, 6.9521e-02],  
 [1.6675e+01, 2.9437e-02, 8.9846e-01],  
 [2.6750e+01, 5.3211e-02, 1.1581e+00],  
 [2.0542e-01, 5.3442e-06, 2.1124e-02],  
 [1.6905e+02, 7.9784e-01, 2.8741e+00],  
 [4.3360e-01, 2.3542e-05, 4.0583e-02],  
 [5.1673e+01, 8.4132e-01, 1.4695e+00],  
 [1.1130e+00, 3.4977e-04, 1.2227e-01],  
 [9.5998e+01, 1.7662e+00, 4.1843e+00],  
 [4.3653e-01, 8.6711e-05, 5.8141e-02],  
 [2.5356e+01, 3.2465e-01, 2.1054e+00],  
 [1.1830e+02, 3.2632e+00, 3.1434e+00],  
 [2.3172e+02, 4.2216e+00, 3.7394e+00],  
 [1.9529e+01, 5.8470e-02, 1.3238e+00],  
 [6.0795e+01, 1.0205e+00, 2.0191e+00],  
 [3.1092e+00, 2.5481e-04, 2.7148e-01],  
 [1.1926e+00, 1.1741e-04, 1.3931e-01],  
 [1.3976e+00, 8.0807e-04, 1.2242e-01],  
 [1.9490e+01, 1.0856e-01, 1.5582e+00],  
 [1.1506e+02, 1.7589e+00, 2.6514e+00],  
 [4.3534e+01, 3.4350e-01, 1.3780e+00],  
 [6.5121e+01, 3.7619e-01, 3.4963e+00],  
 [1.0563e+00, 1.3089e-04, 1.0168e-01],  
 [2.7636e+00, 1.3114e-03, 1.4635e-01],  
 [1.8385e+01, 4.5643e-02, 7.7752e-01],  
 [4.3314e+01, 4.1435e-01, 1.1343e+00],  
 [3.1482e+01, 6.8435e-02, 7.7210e-01],  
 [1.7528e+02, 6.7646e-01, 2.8941e+00],  
 [8.1960e+00, 2.8955e-02, 5.1606e-01],  
 [3.1723e-01, 8.0936e-06, 2.9583e-02],  
 [1.5539e+02, 2.2596e+00, 3.2345e+00],  
 [6.2168e+00, 4.1917e-03, 3.6813e-01],  
 [8.7154e+01, 1.7307e+00, 3.0258e+00],  
 [5.4152e+00, 9.7022e-03, 4.7271e-01],  
 [1.3145e+01, 3.6766e-02, 6.9205e-01],  
 [1.0963e+01, 2.4989e-02, 5.5113e-01],  
 [1.7601e+01, 3.7104e-02, 6.3490e-01],  
 [3.2489e+01, 1.4266e-01, 1.1298e+00],  
 [3.6027e+00, 2.4202e-03, 2.0068e-01],  
 [3.5168e-01, 6.0063e-05, 3.2107e-02],  
 [4.5338e-03, 1.9273e-08, 7.1707e-04],  
 [7.6674e+01, 9.3317e-01, 3.2500e+00],  
 [5.4865e-01, 2.4843e-05, 4.5673e-02],  
 [1.8201e+01, 6.9526e-02, 6.0443e-01],  
 [6.7917e+00, 1.6747e-02, 4.7592e-01],  
 [4.6253e+00, 4.4310e-03, 2.1888e-01],  
 [1.2505e-01, 1.5347e-05, 1.4790e-02],

[1.4302e-01, 2.7999e-06, 1.6337e-02],  
[1.2217e-01, 7.6880e-06, 1.7612e-02],  
[1.4498e-02, 7.8047e-08, 2.1506e-03],  
[8.5010e+00, 1.3574e-02, 6.4638e-01],  
[1.0111e-01, 3.0614e-06, 1.3684e-02],  
[4.6333e+01, 4.6702e-01, 1.5967e+00],  
[2.9786e+00, 7.1442e-04, 1.8204e-01],  
[1.0581e-01, 8.8827e-06, 1.3625e-02],  
[1.0791e+00, 3.5428e-04, 1.0917e-01],  
[2.5338e-01, 8.9211e-06, 2.5976e-02],  
[1.2798e+02, 7.1481e-01, 2.9720e+00],  
[3.9782e+00, 2.0529e-04, 2.2088e-01],  
[1.0803e-01, 2.2534e-06, 1.4548e-02],  
[1.4817e+02, 2.4158e+00, 4.5357e+00],  
[9.1705e+01, 3.9528e-01, 3.1380e+00],  
[2.6013e-01, 1.0264e-05, 3.1476e-02],  
[3.8668e+00, 1.1456e-03, 3.7615e-01],  
[1.9370e-01, 3.0605e-05, 1.9815e-02],  
[7.7602e-02, 3.7065e-06, 1.0693e-02],  
[1.2701e-01, 4.1123e-06, 1.9694e-02],  
[4.2517e+01, 5.7077e-02, 1.1933e+00],  
[3.5436e+00, 7.5345e-04, 1.9608e-01],  
[1.4025e+01, 6.0778e-02, 5.2896e-01],  
[4.6283e-01, 9.9753e-05, 4.6987e-02],  
[1.1693e+01, 1.9502e-02, 4.5300e-01],  
[8.7227e+00, 8.4793e-03, 4.0220e-01],  
[6.8274e-01, 4.4345e-04, 9.5281e-02],  
[1.2651e-01, 6.6584e-06, 1.4024e-02],  
[6.9064e-01, 5.0978e-05, 5.4260e-02],  
[2.0441e+02, 3.6740e+00, 3.8137e+00],  
[1.6313e+01, 5.4715e-02, 7.0678e-01],  
[1.9956e+01, 9.5422e-02, 1.3768e+00],  
[1.0103e+01, 7.3915e-03, 5.0224e-01],  
[1.4018e+00, 2.2350e-04, 1.1825e-01],  
[8.5572e-04, 2.7619e-10, 1.3871e-04],  
[2.3286e+02, 9.8799e+00, 4.8639e+00],  
[5.9600e-01, 1.5794e-04, 5.7644e-02],  
[5.8480e+00, 6.0797e-03, 3.6206e-01],  
[6.1817e+01, 1.4105e+00, 2.8558e+00],  
[2.7918e-01, 1.9515e-06, 2.7537e-02],  
[2.0427e-01, 1.9357e-05, 2.2268e-02],  
[6.8416e+00, 3.2644e-03, 5.4872e-01],  
[1.0928e+02, 2.7377e+00, 3.5935e+00],  
[7.7182e+01, 1.4069e+00, 2.9428e+00],  
[1.6963e+02, 7.0311e+00, 4.5884e+00],  
[5.2682e+01, 4.8303e-02, 1.4169e+00],  
[1.4114e-03, 8.8935e-10, 2.2896e-04],  
[5.2445e+01, 7.4060e-02, 1.5790e+00],

```

[6.2430e-02, 1.3948e-06, 8.1028e-03],
[3.8997e-02, 2.0168e-06, 5.5686e-03],
[1.2394e+01, 1.0115e-02, 9.2779e-01],
[1.1361e+01, 3.3355e-02, 6.2906e-01],
[8.7091e+00, 6.3847e-02, 9.5960e-01],
[1.3166e+01, 9.6133e-03, 5.6516e-01],
[8.0988e-02, 3.4458e-06, 1.1491e-02],
[1.7575e-01, 1.3784e-06, 2.0152e-02],
[8.3341e+00, 4.9377e-03, 5.6088e-01],
[1.0884e+00, 3.9114e-04, 7.7724e-02],
[8.3226e-01, 3.2462e-04, 9.1341e-02],
[1.7399e+01, 1.0683e-01, 6.7029e-01]], dtype=torch.float64)
Iteration: 182
Inputs: tensor([[4.5856e+19, 2.9382e+02, 5.5672e-01, 4.3349e+00],
[5.3129e+19, 4.3852e+02, 1.1987e+01, 7.0813e+00],
[2.8710e+20, 2.5685e+02, 3.6774e+00, 7.0254e+00],
...,
[6.7307e+19, 3.2096e+02, 1.5351e+01, 1.2131e+00],
[4.3472e+19, 2.1955e+02, 6.1928e+00, 5.6474e+00],
[3.3936e+20, 1.4514e+02, 1.2935e+01, 7.6136e+00]], dtype=torch.float64)
Target: tensor([[3.5807e+01, 3.3730e-02, 9.0229e-01],
[3.0745e+01, 1.7446e-01, 9.5016e-01],
[1.0563e+02, 9.6613e-01, 2.5779e+00],
[3.8626e+00, 8.4400e-03, 3.9739e-01],
[4.7054e+00, 6.4100e-03, 3.0525e-01],
[8.3215e+01, 3.5986e-01, 2.2977e+00],
[1.6121e+00, 5.4042e-04, 1.1922e-01],
[3.3211e+01, 4.4496e-02, 1.9093e+00],
[2.3403e+01, 1.1525e-01, 6.8408e-01],
[1.7541e+01, 5.8572e-02, 5.6578e-01],
[8.7706e+00, 3.2460e-02, 6.7790e-01],
[3.3891e-02, 2.7274e-07, 4.9197e-03],
[4.2274e-01, 4.8948e-05, 4.7200e-02],
[5.4316e-01, 3.5536e-04, 7.4622e-02],
[9.4464e-02, 7.0238e-07, 1.2244e-02],
[6.3940e+01, 3.1378e-01, 1.5624e+00],
[1.7418e+02, 1.2713e+00, 4.3997e+00],
[4.4643e+01, 9.8251e-02, 1.3506e+00],
[2.3765e+01, 7.0290e-02, 1.6432e+00],
[4.0202e-01, 6.1716e-05, 4.1551e-02],
[1.9642e+01, 1.1203e-01, 9.3745e-01],
[1.3933e+01, 3.3836e-03, 5.0580e-01],
[2.7917e+02, 2.7428e+00, 4.8652e+00],
[6.4787e+00, 1.6472e-02, 3.7420e-01],
[2.4266e+00, 6.1886e-04, 1.2204e-01],
[1.5759e-03, 9.5096e-10, 2.5537e-04],
[1.9774e+00, 3.0460e-03, 2.5492e-01],
[9.2050e-01, 7.0255e-05, 9.2419e-02],

```

[1.3998e+01, 2.7350e-02, 6.9238e-01],  
[7.8474e-02, 8.1391e-07, 1.0761e-02],  
[5.2645e+01, 9.9142e-01, 1.6669e+00],  
[1.6313e+02, 2.6829e+00, 3.7487e+00],  
[3.3425e+00, 2.9235e-03, 1.9543e-01],  
[2.9108e+00, 8.0797e-04, 2.4028e-01],  
[1.1545e+02, 4.6338e-01, 3.9585e+00],  
[2.5133e+01, 2.2571e-01, 9.8634e-01],  
[1.2084e+00, 7.7062e-04, 1.4689e-01],  
[4.4877e-01, 2.0644e-05, 4.4407e-02],  
[5.8541e-02, 1.6057e-06, 9.2520e-03],  
[7.0525e-01, 1.8309e-04, 5.8080e-02],  
[2.3848e+02, 4.3258e+00, 3.9608e+00],  
[2.5824e+00, 2.3919e-04, 1.3873e-01],  
[1.0375e+02, 1.7064e+00, 2.6397e+00],  
[3.0503e-01, 1.8448e-05, 4.0918e-02],  
[1.8875e+01, 1.1077e-02, 1.1857e+00],  
[4.9252e+00, 1.5057e-03, 2.4464e-01],  
[4.4856e-03, 1.7164e-09, 7.0855e-04],  
[8.3659e+01, 1.6921e+00, 2.0455e+00],  
[2.9766e+01, 7.8804e-02, 1.8150e+00],  
[4.2610e+00, 1.7179e-02, 4.8767e-01],  
[1.9600e+00, 4.8173e-04, 2.1569e-01],  
[6.2392e+01, 5.7499e-01, 2.3948e+00],  
[5.7468e+01, 4.9283e-01, 1.2680e+00],  
[2.3940e+00, 7.4084e-04, 1.6905e-01],  
[1.4135e-01, 2.1213e-06, 1.7237e-02],  
[3.9346e-02, 2.6843e-07, 5.6833e-03],  
[2.5390e-02, 4.1918e-07, 3.6491e-03],  
[2.1513e+00, 8.2695e-04, 2.8690e-01],  
[9.7289e+01, 1.2312e+00, 3.1558e+00],  
[1.8753e-01, 7.0863e-06, 2.0744e-02],  
[3.9923e+00, 1.5293e-03, 3.6499e-01],  
[4.1600e-01, 2.4849e-04, 5.4698e-02],  
[4.0655e-02, 1.8055e-06, 6.0651e-03],  
[5.9840e+00, 6.6138e-03, 2.9228e-01],  
[5.8682e+00, 1.2272e-02, 3.4272e-01],  
[9.6239e-03, 6.0039e-08, 1.4808e-03],  
[3.4628e-02, 7.8248e-07, 4.9351e-03],  
[2.6766e+01, 2.0667e-01, 1.4380e+00],  
[6.6944e+00, 2.6476e-03, 5.7109e-01],  
[5.2853e+00, 3.9489e-03, 3.8860e-01],  
[6.5224e+01, 3.3725e-01, 2.8715e+00],  
[2.9382e+01, 1.1084e-01, 9.4091e-01],  
[3.4696e+01, 3.2314e-01, 1.1828e+00],  
[1.7209e+02, 2.6777e+00, 4.6658e+00],  
[1.7742e+01, 8.2817e-02, 8.1612e-01],  
[9.5604e+01, 6.5807e-01, 1.8778e+00],

[8.8607e+00, 1.1622e-02, 3.4285e-01],  
[2.7061e+01, 1.3916e-02, 9.2380e-01],  
[5.0493e+01, 3.4330e-01, 2.0618e+00],  
[2.2179e+00, 9.4635e-04, 1.3510e-01],  
[1.1108e+02, 2.5009e+00, 2.8102e+00],  
[6.8506e-01, 4.6813e-05, 7.7136e-02],  
[4.0422e-03, 2.3902e-09, 6.4921e-04],  
[1.5965e+01, 1.3258e-02, 1.2564e+00],  
[4.5415e+00, 1.2998e-03, 1.7418e-01],  
[9.1272e-01, 2.4077e-05, 7.0467e-02],  
[1.0858e+02, 2.2087e-01, 3.2775e+00],  
[1.5930e+00, 1.1836e-03, 1.3833e-01],  
[9.9312e-01, 1.9178e-04, 8.7844e-02],  
[9.1143e-02, 6.0376e-06, 1.2452e-02],  
[2.3624e+02, 4.9242e+00, 4.6546e+00],  
[7.5558e+00, 1.5213e-02, 4.4102e-01],  
[1.4276e-01, 2.3659e-06, 1.7473e-02],  
[8.0024e+00, 1.7085e-02, 5.7918e-01],  
[3.5861e-02, 1.0260e-06, 5.1166e-03],  
[1.3209e+00, 2.8186e-04, 9.4539e-02],  
[5.9033e+01, 2.7936e-01, 2.3475e+00],  
[7.5969e-01, 8.0082e-06, 5.3944e-02],  
[3.5128e+00, 1.5262e-04, 2.7743e-01],  
[3.8250e+01, 1.0770e-01, 1.2288e+00],  
[4.1567e-01, 2.8590e-05, 4.4718e-02],  
[3.2424e+01, 1.1545e-01, 8.9549e-01],  
[6.1380e+00, 8.9099e-03, 3.5927e-01],  
[5.1274e+01, 6.1081e-01, 1.9524e+00],  
[1.1428e+00, 2.8213e-04, 9.6296e-02],  
[1.2485e+02, 6.9726e-01, 3.8094e+00],  
[4.9286e+01, 2.2880e-01, 1.8369e+00],  
[1.7676e+01, 2.7056e-02, 1.4656e+00],  
[2.0272e+00, 3.1812e-03, 2.0538e-01],  
[2.3548e+02, 2.0321e+00, 3.9017e+00],  
[3.3344e+01, 1.5735e-01, 1.1643e+00],  
[5.5896e+01, 4.0657e-02, 1.8348e+00],  
[2.6481e+01, 1.0338e-01, 1.3427e+00],  
[2.8838e+02, 5.2567e-01, 4.3462e+00],  
[2.0100e+01, 9.1032e-02, 1.6359e+00],  
[3.9889e+00, 1.2291e-03, 3.8295e-01],  
[1.3689e+01, 1.6348e-01, 1.2778e+00],  
[4.7805e+01, 7.9532e-01, 2.5378e+00],  
[1.2043e-01, 2.0007e-06, 1.6196e-02],  
[8.0556e-03, 5.8863e-08, 1.2569e-03],  
[1.2104e+00, 1.3095e-04, 7.9277e-02],  
[1.2253e+02, 1.4938e+00, 3.6544e+00],  
[1.3122e+01, 7.3887e-03, 4.5448e-01],  
[1.0377e+00, 7.0703e-05, 1.2169e-01],

[3.5260e-03, 1.4373e-08, 5.5436e-04],  
[7.7584e+00, 1.7022e-02, 8.1025e-01],  
[1.0398e-01, 1.5866e-06, 1.4762e-02],  
[4.6698e-01, 9.1170e-06, 5.4902e-02],  
[6.3201e-01, 2.7979e-04, 6.9711e-02],  
[1.3864e+00, 6.3793e-04, 1.4555e-01],  
[3.9139e+01, 2.2214e-02, 2.1849e+00],  
[6.4559e+01, 4.3904e-01, 3.5344e+00],  
[7.7007e+00, 2.2427e-02, 6.8875e-01],  
[8.5781e-01, 1.9748e-04, 6.5706e-02],  
[4.2934e+01, 1.9452e-01, 2.0819e+00],  
[3.9140e+00, 5.0266e-04, 2.4571e-01],  
[2.7821e-01, 8.3272e-06, 3.2788e-02],  
[5.2261e+01, 2.5179e-01, 1.0844e+00],  
[5.2428e+01, 6.0916e-01, 1.7759e+00],  
[2.0976e+00, 8.3308e-04, 2.0062e-01],  
[9.6113e-02, 3.8922e-06, 1.3559e-02],  
[9.7886e+00, 8.4186e-03, 5.8712e-01],  
[2.6435e-01, 2.5428e-05, 2.8889e-02],  
[9.6367e+01, 6.3370e-01, 3.8337e+00],  
[2.2985e+00, 6.0884e-04, 1.4491e-01],  
[5.9056e+00, 1.5499e-03, 3.0909e-01],  
[8.8040e+00, 2.1888e-02, 4.9102e-01],  
[5.3777e+01, 1.1582e+00, 3.1781e+00],  
[2.9276e+01, 1.0012e-01, 2.3902e+00],  
[1.9172e-02, 3.5809e-08, 2.8619e-03],  
[2.9113e+01, 1.1972e-01, 9.5864e-01],  
[4.1461e+01, 3.9061e-01, 1.1105e+00],  
[1.3005e+00, 1.1940e-04, 1.2160e-01],  
[6.3115e+01, 7.4939e-02, 1.4967e+00],  
[1.1161e-02, 9.7064e-08, 1.7348e-03],  
[3.1130e+00, 1.2732e-03, 2.1561e-01],  
[8.8473e+01, 2.2396e+00, 2.9818e+00],  
[2.5828e+02, 4.3658e+00, 3.9382e+00],  
[2.2509e+00, 4.0470e-05, 1.4215e-01],  
[1.9951e+00, 1.0791e-03, 1.3894e-01],  
[3.6664e+00, 2.2876e-03, 2.5473e-01],  
[1.5563e+02, 6.0723e+00, 4.3694e+00],  
[3.9883e-04, 4.5562e-11, 6.5458e-05],  
[1.9954e+00, 4.3775e-04, 1.9655e-01],  
[4.6728e-01, 9.8858e-05, 5.2121e-02],  
[3.1604e+01, 1.5093e-01, 2.2102e+00],  
[1.2158e+00, 5.8299e-04, 9.4912e-02],  
[1.1768e+02, 8.0642e-01, 2.9327e+00],  
[1.2414e+02, 4.8740e-01, 3.3572e+00],  
[1.8792e+02, 7.9360e+00, 3.9998e+00],  
[9.5308e-01, 6.7048e-04, 1.0869e-01],  
[7.9928e-01, 8.8303e-05, 9.5256e-02],

[9.9544e+01, 1.9009e+00, 3.3585e+00],  
[2.0498e-01, 7.1397e-05, 2.9587e-02],  
[3.6090e+01, 8.9901e-02, 1.3666e+00],  
[1.0078e+02, 2.2516e+00, 2.5990e+00],  
[1.2658e+02, 4.3650e+00, 3.6666e+00],  
[4.3128e+01, 5.4307e-01, 1.1749e+00],  
[1.2351e+00, 2.9856e-04, 1.0347e-01],  
[6.8192e+00, 2.5354e-03, 4.3021e-01],  
[4.5224e+01, 1.4461e-01, 1.9857e+00],  
[2.3475e+01, 1.1130e-01, 7.5936e-01],  
[4.5401e+00, 1.1543e-02, 5.4293e-01],  
[4.3162e-01, 2.3616e-05, 4.8598e-02],  
[1.9842e-01, 1.0746e-05, 2.7286e-02],  
[2.7762e+01, 4.9161e-02, 1.4418e+00],  
[2.6437e-01, 3.0517e-05, 2.9078e-02],  
[3.3226e+00, 9.3199e-04, 1.7555e-01],  
[4.3742e-01, 2.1263e-05, 4.9638e-02],  
[2.1351e+02, 7.0318e+00, 4.1681e+00],  
[4.4456e+01, 2.7215e-01, 1.9600e+00],  
[2.7410e+02, 7.3938e+00, 4.9369e+00],  
[3.5366e+00, 1.4220e-03, 3.3539e-01],  
[8.4116e-01, 2.2255e-04, 8.2227e-02],  
[2.1171e-01, 1.2669e-05, 2.3767e-02],  
[7.7720e-01, 1.3158e-04, 8.4993e-02],  
[5.7262e+00, 4.6798e-03, 5.8848e-01],  
[3.6300e+01, 8.5756e-01, 2.7364e+00],  
[7.0919e+00, 6.1705e-03, 3.2871e-01],  
[4.6451e+01, 3.0764e-01, 1.9249e+00],  
[3.6247e+00, 2.6253e-03, 3.9723e-01],  
[1.7280e+00, 1.3037e-03, 1.6152e-01],  
[3.9382e+01, 1.8555e-01, 2.1324e+00],  
[5.0494e-01, 3.9970e-06, 3.6621e-02],  
[9.3665e+00, 2.7766e-02, 6.2090e-01],  
[1.1112e+01, 2.4161e-03, 5.3954e-01],  
[1.0109e+02, 1.0087e+00, 2.7282e+00],  
[8.0367e+00, 2.6593e-02, 5.1080e-01],  
[4.8712e+00, 3.1516e-04, 3.3571e-01],  
[7.9889e+00, 4.6627e-03, 3.6595e-01],  
[1.8842e-01, 4.4751e-06, 2.1190e-02],  
[3.8138e+01, 5.7056e-02, 8.1300e-01],  
[5.9890e+00, 8.5798e-03, 5.2047e-01],  
[5.6564e+01, 2.1416e-01, 1.6873e+00],  
[4.6587e-01, 1.6040e-05, 5.7691e-02],  
[3.2886e+00, 1.1979e-03, 4.2932e-01],  
[3.5225e+01, 3.0385e-01, 2.2460e+00],  
[8.9378e+00, 8.3159e-03, 7.0866e-01],  
[7.2937e+01, 1.2444e+00, 1.8540e+00],  
[4.6346e+00, 2.0544e-03, 3.3917e-01],



[1.8669e+00, 3.4907e-04, 1.0641e-01],  
[3.1872e+01, 2.8900e-01, 1.6648e+00],  
[1.5163e+02, 1.9934e+00, 3.7217e+00],  
[2.0865e+02, 2.2340e+00, 3.7638e+00],  
[2.1940e+01, 2.2068e-01, 1.5726e+00],  
[1.3216e-01, 9.0210e-06, 1.7688e-02],  
[3.3675e+01, 2.7481e-01, 1.0892e+00],  
[2.7591e+01, 5.8181e-02, 1.1579e+00],  
[3.5665e+01, 2.5658e-01, 1.6187e+00],  
[5.4719e-01, 8.6537e-05, 5.7299e-02],  
[9.9678e-01, 5.5127e-04, 8.6890e-02],  
[1.3500e+01, 2.2044e-02, 1.2757e+00],  
[4.1031e+01, 1.7059e-01, 1.4751e+00],  
[1.0711e-02, 1.1649e-07, 1.6395e-03],  
[9.4823e-01, 5.3353e-04, 1.2552e-01],  
[3.7438e-02, 6.8041e-07, 5.1550e-03],  
[8.5971e-02, 1.0418e-06, 1.0593e-02],  
[3.3072e-01, 4.6756e-06, 3.0090e-02],  
[3.4876e+00, 2.5861e-03, 2.0970e-01],  
[6.8254e-01, 1.9704e-04, 6.2323e-02],  
[4.8257e+01, 4.6697e-01, 2.1705e+00],  
[1.4839e+02, 3.4745e+00, 4.0729e+00],  
[1.1686e-02, 1.4907e-07, 1.8356e-03],  
[1.1633e+02, 3.0584e+00, 3.2336e+00],  
[3.9139e+01, 5.8715e-01, 1.6438e+00],  
[1.6022e+01, 4.9107e-02, 1.1391e+00],  
[7.1308e-03, 1.9434e-08, 1.1040e-03],  
[3.7967e+01, 1.4477e-01, 1.0225e+00],  
[9.6961e+01, 1.3651e+00, 2.5854e+00],  
[2.1282e+01, 2.2182e-01, 9.4687e-01],  
[1.0653e+02, 3.2297e+00, 2.6582e+00],  
[1.3827e+01, 3.7670e-03, 6.2208e-01],  
[4.0447e+01, 4.6446e-01, 1.4847e+00],  
[1.8153e+01, 9.2422e-02, 1.4182e+00],  
[9.9964e-01, 5.9890e-04, 9.8374e-02],  
[1.1332e+02, 6.6559e-01, 2.6856e+00],  
[2.5765e+01, 1.3316e-01, 2.0161e+00],  
[9.5571e+01, 4.8870e-02, 2.8103e+00],  
[1.5548e-01, 5.2368e-06, 1.7121e-02],  
[5.4741e-01, 5.7374e-05, 5.5415e-02],  
[3.3089e-02, 1.0506e-06, 4.4750e-03],  
[7.4014e-03, 1.2905e-08, 1.1416e-03],  
[8.0895e+00, 3.9288e-03, 4.6692e-01],  
[6.9663e-04, 7.9430e-11, 1.1356e-04],  
[6.3819e+00, 7.5259e-03, 3.6449e-01],  
[2.3103e+00, 5.5473e-04, 1.6974e-01],  
[1.9531e-02, 2.7700e-07, 2.9387e-03],  
[1.1730e+01, 7.9183e-03, 5.4995e-01],

[3.5891e+00, 1.3514e-04, 1.9376e-01],  
[3.4446e-01, 6.0470e-05, 4.2435e-02],  
[2.4348e+00, 1.1795e-03, 1.4122e-01],  
[2.5494e-01, 1.1997e-05, 3.5665e-02],  
[5.3072e+01, 4.3091e-01, 1.8024e+00],  
[4.5310e-02, 7.2779e-07, 6.1419e-03],  
[5.9550e+01, 3.8551e-01, 2.3788e+00],  
[5.4881e+01, 6.2477e-01, 1.7904e+00],  
[2.7067e+01, 1.0351e-02, 1.3085e+00],  
[1.3621e+01, 2.6969e-02, 7.0184e-01],  
[4.2584e+01, 6.0897e-01, 1.5467e+00],  
[7.8957e+01, 2.0472e+00, 3.3747e+00],  
[3.7215e+01, 1.8714e-01, 9.0285e-01],  
[1.1751e-01, 8.2505e-06, 1.5970e-02],  
[2.4485e+00, 3.0754e-03, 1.6702e-01],  
[1.0900e+02, 9.2640e-01, 2.6637e+00],  
[8.2935e+00, 7.7071e-03, 4.6892e-01],  
[6.5029e-01, 7.3419e-04, 8.7047e-02],  
[2.3059e-01, 1.7214e-05, 2.5360e-02],  
[2.4896e-02, 5.4571e-07, 3.8841e-03],  
[2.3337e-02, 7.2876e-07, 3.5227e-03],  
[4.4907e-03, 1.0381e-08, 7.2607e-04],  
[6.6545e+01, 9.2341e-01, 2.7379e+00],  
[3.7488e+01, 4.5210e-01, 1.2560e+00],  
[9.6756e+01, 5.4656e-01, 2.8207e+00],  
[6.1639e+01, 1.1342e+00, 1.8423e+00],  
[4.4519e+01, 2.5632e-01, 1.4849e+00],  
[1.4611e+01, 8.5412e-02, 1.3210e+00],  
[2.3033e+01, 7.3495e-02, 1.3169e+00],  
[7.1806e+00, 3.7371e-03, 3.4259e-01],  
[3.9628e+01, 3.9831e-01, 2.5437e+00],  
[1.1107e-01, 5.7039e-06, 1.2476e-02],  
[6.1745e+00, 2.7762e-03, 2.6760e-01],  
[1.0755e-01, 1.4806e-06, 1.3401e-02],  
[1.9934e+02, 1.1940e+01, 4.7661e+00],  
[1.9569e+00, 3.7453e-04, 1.3650e-01],  
[7.6519e-01, 2.6176e-05, 8.8072e-02],  
[5.1911e-01, 1.1954e-05, 3.6137e-02],  
[4.9686e+01, 4.3385e-01, 3.2548e+00],  
[6.9414e-01, 2.2547e-04, 7.7257e-02],  
[1.7710e-01, 2.3894e-05, 2.0402e-02],  
[1.2270e+00, 4.9891e-05, 1.3486e-01],  
[1.5038e+02, 4.0107e+00, 3.1968e+00],  
[8.2013e+00, 8.7895e-03, 5.0330e-01],  
[4.3053e-01, 1.2058e-04, 4.7752e-02],  
[1.1252e+00, 3.2045e-04, 8.2512e-02],  
[2.1905e+00, 1.5147e-04, 1.7079e-01],  
[1.8879e+00, 6.0928e-04, 1.5569e-01],

```

[1.2165e+00, 6.8599e-04, 9.1252e-02],
[4.9192e+00, 1.9535e-03, 4.5622e-01],
[1.7257e+01, 3.2744e-02, 7.5410e-01],
[4.9924e+01, 6.4921e-01, 2.3449e+00]], dtype=torch.float64)
Iteration: 183
Inputs: tensor([[8.6818e+19, 6.4856e+01, 4.8858e+00, 1.2934e+00],
[1.6726e+18, 1.9588e+02, 1.7418e+01, 3.0344e+00],
[1.7839e+18, 1.4184e+02, 5.7079e+00, 3.3782e+00],
...,
[6.8804e+20, 4.7054e+02, 9.5598e-01, 2.0493e+00],
[1.2554e+19, 1.4709e+02, 1.6182e+01, 1.1874e+00],
[5.8743e+18, 3.4021e+01, 5.9969e+00, 4.7015e+00]], dtype=torch.float64)
Target: tensor([[2.4937e+00, 2.8686e-04, 2.8646e-01],
[1.8539e-02, 1.3108e-07, 2.7370e-03],
[6.3561e-02, 6.0303e-07, 8.4601e-03],
[7.4459e-01, 3.3749e-04, 7.2508e-02],
[4.0724e-01, 5.8654e-05, 4.5912e-02],
[1.5350e+01, 2.2934e-02, 1.1234e+00],
[7.5740e-01, 2.5019e-04, 5.9350e-02],
[7.7942e-01, 6.2466e-05, 5.6534e-02],
[2.1198e+00, 5.9001e-04, 2.9711e-01],
[1.4015e+01, 8.4465e-02, 1.2909e+00],
[2.8272e+02, 5.4095e+00, 4.8998e+00],
[5.3162e+01, 4.3266e-01, 1.8165e+00],
[7.7220e+00, 7.9300e-03, 4.4566e-01],
[8.2202e+01, 8.3042e-01, 2.8877e+00],
[6.3472e+01, 4.3418e-01, 2.5610e+00],
[1.2387e+01, 6.8861e-02, 1.0418e+00],
[5.2353e+00, 5.8716e-03, 4.5677e-01],
[3.4895e-01, 1.4563e-05, 3.3839e-02],
[1.0553e+02, 7.1520e-01, 3.4006e+00],
[1.2932e+01, 7.8076e-02, 1.0398e+00],
[5.5441e+01, 2.6807e-01, 2.1869e+00],
[1.0973e+02, 6.7885e-01, 3.4437e+00],
[1.5023e+02, 1.0618e+00, 3.2374e+00],
[9.9440e+01, 1.0041e+00, 3.7422e+00],
[1.0240e+00, 3.3631e-04, 7.0446e-02],
[4.4890e-02, 5.8654e-07, 5.9888e-03],
[1.7927e+00, 2.2335e-04, 1.2286e-01],
[6.6667e-02, 1.0905e-06, 9.7950e-03],
[1.0176e+02, 1.2178e+00, 2.1779e+00],
[9.5304e-01, 1.3444e-04, 1.2113e-01],
[4.6505e+01, 2.0006e-01, 1.7006e+00],
[2.0519e+02, 7.0628e+00, 4.9353e+00],
[1.6219e+01, 7.7670e-02, 8.8609e-01],
[1.3187e+02, 1.3190e+00, 3.3513e+00],
[2.6515e+01, 8.8013e-02, 1.5067e+00],
[6.6149e+00, 8.9473e-03, 3.5993e-01],

```

[3.2166e-02, 6.8684e-08, 4.6522e-03],  
 [4.6211e+00, 5.6427e-03, 2.5219e-01],  
 [1.6053e-01, 2.0134e-05, 1.8896e-02],  
 [3.0123e-02, 9.5160e-07, 4.3122e-03],  
 [3.0847e+01, 2.7756e-01, 1.0210e+00],  
 [1.4423e+01, 1.5985e-02, 7.8633e-01],  
 [2.1370e+01, 8.8711e-03, 7.3050e-01],  
 [3.0726e-02, 1.0668e-07, 4.2081e-03],  
 [1.7456e+01, 7.3844e-02, 7.8673e-01],  
 [8.8939e+01, 1.9933e-01, 3.7549e+00],  
 [1.2918e+01, 1.6169e-02, 5.4072e-01],  
 [3.9705e+01, 6.8074e-02, 1.5814e+00],  
 [2.0889e+01, 2.0175e-02, 5.8203e-01],  
 [2.4548e+01, 2.6941e-02, 9.9857e-01],  
 [1.3136e+02, 1.0119e+00, 3.1461e+00],  
 [3.2400e-03, 3.9712e-09, 5.2400e-04],  
 [1.4641e+01, 3.6355e-02, 7.1443e-01],  
 [8.0037e+01, 4.1949e-01, 2.4812e+00],  
 [3.0833e+01, 1.4721e-01, 7.8000e-01],  
 [1.0602e+01, 5.3261e-03, 5.0373e-01],  
 [3.7525e+01, 6.8645e-03, 1.0803e+00],  
 [2.8801e+01, 1.3337e-01, 1.3681e+00],  
 [9.1486e+01, 2.7126e+00, 3.4804e+00],  
 [3.1495e+01, 3.8594e-01, 1.1821e+00],  
 [4.5629e-01, 1.9093e-04, 6.3956e-02],  
 [5.5322e+00, 5.9412e-04, 3.5066e-01],  
 [2.1916e+00, 7.6881e-04, 1.9520e-01],  
 [6.4408e+01, 2.9843e-01, 1.3363e+00],  
 [1.7454e-03, 1.5040e-09, 2.7928e-04],  
 [1.1513e+01, 3.9722e-02, 5.8977e-01],  
 [1.0933e+01, 7.0642e-02, 9.8730e-01],  
 [2.7024e+01, 5.1004e-02, 1.2300e+00],  
 [1.5924e+00, 2.3026e-04, 1.0460e-01],  
 [1.9958e-02, 1.1651e-07, 3.1393e-03],  
 [1.4470e+02, 2.0510e+00, 4.5448e+00],  
 [4.8975e-01, 4.3401e-06, 5.0805e-02],  
 [1.5584e+02, 3.5326e-01, 3.5156e+00],  
 [3.6183e+00, 2.9202e-03, 3.2889e-01],  
 [2.2518e+01, 3.6158e-02, 1.3180e+00],  
 [9.9132e-01, 5.2616e-04, 8.1268e-02],  
 [7.2912e+01, 2.5703e-01, 1.5150e+00],  
 [1.0659e+01, 6.7695e-02, 9.1312e-01],  
 [9.9553e+00, 3.4816e-03, 5.5818e-01],  
 [1.1185e+01, 2.2740e-02, 7.5040e-01],  
 [7.2991e+00, 2.1424e-02, 6.4893e-01],  
 [7.8151e+00, 2.3687e-02, 7.2643e-01],  
 [1.5071e+01, 6.8105e-02, 8.7966e-01],  
 [1.0177e-01, 7.8006e-06, 1.4603e-02],

[8.3738e+00, 8.2854e-02, 8.8803e-01],  
[6.3827e-01, 8.3013e-05, 8.8149e-02],  
[6.0927e+01, 2.4093e-01, 2.2155e+00],  
[3.0374e+01, 7.1037e-02, 9.9264e-01],  
[2.8892e+00, 2.5501e-03, 1.8007e-01],  
[6.6638e+01, 8.2191e-01, 2.3584e+00],  
[1.3894e+00, 8.6230e-04, 1.1303e-01],  
[6.6926e+00, 9.4637e-03, 3.1708e-01],  
[1.5811e+01, 5.2907e-02, 1.2272e+00],  
[5.9774e+01, 2.8020e-01, 1.7843e+00],  
[2.8786e+01, 2.4213e-01, 2.1245e+00],  
[3.2673e-01, 3.7007e-05, 3.9348e-02],  
[6.5366e-02, 3.2641e-06, 9.6731e-03],  
[3.7796e-02, 1.2086e-06, 5.6752e-03],  
[6.9519e-02, 7.2887e-07, 9.5590e-03],  
[2.8509e-01, 1.4231e-05, 2.9898e-02],  
[8.4132e-03, 4.1723e-08, 1.2751e-03],  
[1.6531e+00, 2.5489e-04, 1.5030e-01],  
[4.1903e+01, 1.8521e-01, 1.9162e+00],  
[1.1547e+00, 2.6649e-04, 9.1226e-02],  
[9.5972e+00, 7.5251e-03, 3.9358e-01],  
[2.6791e+00, 3.8705e-04, 2.4718e-01],  
[6.0515e+01, 5.2468e-02, 1.3518e+00],  
[9.8081e+01, 4.7984e-01, 3.3491e+00],  
[7.5139e+01, 3.6548e-01, 1.7992e+00],  
[2.2229e-02, 2.0210e-07, 3.3648e-03],  
[1.0110e+02, 1.3219e+00, 3.7229e+00],  
[2.3270e-01, 3.2227e-06, 2.7202e-02],  
[1.5516e-01, 8.7989e-06, 1.9884e-02],  
[7.8471e+01, 1.0028e-01, 1.5190e+00],  
[6.0707e-01, 3.5522e-05, 4.3393e-02],  
[3.2454e+00, 1.7206e-03, 1.8200e-01],  
[2.0309e-01, 4.5979e-06, 2.3471e-02],  
[6.2577e+00, 4.4143e-03, 3.4010e-01],  
[1.5162e+00, 3.0061e-04, 1.2120e-01],  
[3.6643e+00, 2.6066e-03, 3.9227e-01],  
[9.4501e+01, 3.9479e-01, 1.7056e+00],  
[2.4169e+01, 5.5943e-02, 7.3655e-01],  
[7.6021e+00, 2.1655e-02, 5.0652e-01],  
[5.9193e-01, 1.2739e-04, 7.7274e-02],  
[8.9367e-04, 1.4165e-10, 1.4493e-04],  
[4.8119e-02, 1.1256e-06, 6.3149e-03],  
[5.0107e+00, 1.0163e-03, 4.6414e-01],  
[1.1825e-01, 1.1904e-06, 1.3321e-02],  
[2.9083e+01, 1.1564e-01, 1.1752e+00],  
[5.9471e-01, 3.2022e-05, 6.8162e-02],  
[9.7926e-01, 2.0309e-04, 7.2998e-02],  
[1.1223e+02, 9.3047e-02, 2.2555e+00],

[2.4388e-03, 4.9935e-09, 3.9031e-04],  
 [3.7819e+00, 9.6451e-04, 2.9319e-01],  
 [4.0406e-01, 6.1699e-05, 3.3406e-02],  
 [6.6535e+00, 1.8473e-02, 4.6493e-01],  
 [5.5951e+01, 2.7498e-01, 1.2200e+00],  
 [4.5852e+01, 5.6599e-01, 1.4963e+00],  
 [2.2275e+00, 9.8971e-04, 1.3557e-01],  
 [7.8947e+00, 1.3434e-03, 4.5658e-01],  
 [6.7088e-01, 3.0296e-05, 6.2684e-02],  
 [2.3718e+01, 1.6739e-01, 1.2082e+00],  
 [2.6267e+00, 1.9226e-03, 3.2255e-01],  
 [9.1196e-03, 1.6583e-08, 1.3664e-03],  
 [5.9610e-03, 1.0385e-08, 9.2376e-04],  
 [2.1857e+01, 1.9893e-01, 8.4951e-01],  
 [1.1854e+01, 6.1839e-03, 7.9545e-01],  
 [2.3874e+01, 1.0290e-02, 9.3031e-01],  
 [1.2032e+01, 4.2293e-02, 5.4618e-01],  
 [1.5659e+02, 1.7198e+00, 3.2290e+00],  
 [2.5233e+00, 5.7324e-04, 2.3096e-01],  
 [1.8164e+01, 4.2402e-02, 1.0265e+00],  
 [2.6294e+00, 9.4232e-04, 2.9698e-01],  
 [1.0996e-01, 1.1752e-05, 1.5843e-02],  
 [1.2405e+00, 3.4917e-05, 8.7669e-02],  
 [1.2530e+01, 4.6949e-02, 7.4751e-01],  
 [7.7756e-01, 9.3462e-05, 7.0421e-02],  
 [5.3956e-02, 3.7291e-07, 7.5003e-03],  
 [2.8433e-01, 9.8660e-06, 3.3404e-02],  
 [2.0647e-01, 2.3723e-06, 2.6895e-02],  
 [5.9529e-02, 1.2200e-06, 8.0345e-03],  
 [3.3728e+00, 2.8660e-03, 3.2139e-01],  
 [7.3625e+01, 1.3190e+00, 2.8525e+00],  
 [1.2468e+02, 4.4434e+00, 3.3621e+00],  
 [2.2309e+02, 3.6894e+00, 4.7157e+00],  
 [1.9497e-01, 7.4605e-06, 2.4029e-02],  
 [1.3587e+01, 5.2043e-02, 8.5664e-01],  
 [9.1882e+00, 7.5111e-03, 4.4144e-01],  
 [5.5064e+01, 3.8049e-01, 2.1002e+00],  
 [6.3308e+01, 5.6623e-01, 1.3995e+00],  
 [1.5091e+02, 1.1848e+00, 3.2514e+00],  
 [1.0469e-01, 7.8590e-06, 1.3816e-02],  
 [3.1624e+00, 1.5877e-03, 1.8311e-01],  
 [3.4178e-03, 6.1362e-10, 5.4829e-04],  
 [7.6074e+01, 4.9808e-01, 2.4314e+00],  
 [1.2037e+01, 2.5103e-02, 7.7152e-01],  
 [1.0666e+02, 6.0124e-02, 3.0567e+00],  
 [4.2748e+00, 1.8763e-03, 5.5143e-01],  
 [2.5550e+01, 6.3827e-02, 7.2997e-01],  
 [2.7027e-01, 1.1206e-05, 2.5918e-02],

[1.7735e+02, 2.2013e+00, 4.5313e+00],  
 [2.0819e+00, 1.7018e-03, 2.2068e-01],  
 [4.1323e-01, 9.5856e-05, 4.4739e-02],  
 [1.8946e+01, 1.9645e-01, 1.1663e+00],  
 [5.3033e+01, 1.4811e-01, 1.8365e+00],  
 [5.8557e+00, 7.8562e-03, 5.1891e-01],  
 [3.8270e+00, 4.9786e-03, 4.0144e-01],  
 [4.6049e+01, 4.9797e-01, 1.4308e+00],  
 [1.0656e-01, 2.1647e-06, 1.5664e-02],  
 [3.7959e+01, 1.3161e-01, 1.4478e+00],  
 [2.2138e+00, 1.3677e-03, 1.4661e-01],  
 [3.7723e+01, 2.7847e-01, 1.2726e+00],  
 [5.9094e+01, 5.3401e-01, 1.8604e+00],  
 [1.6081e+01, 1.4967e-02, 5.1795e-01],  
 [4.2640e-03, 6.5415e-09, 6.7612e-04],  
 [1.0929e+02, 6.1500e-01, 3.2218e+00],  
 [5.1267e+00, 3.0322e-03, 2.3164e-01],  
 [4.4756e-02, 2.0323e-06, 6.0992e-03],  
 [1.6095e+00, 1.0494e-03, 1.4070e-01],  
 [1.4078e+01, 2.6391e-02, 5.2481e-01],  
 [1.6933e+01, 2.0115e-01, 1.3692e+00],  
 [1.1912e+01, 3.8752e-02, 1.0175e+00],  
 [4.2869e-01, 1.3038e-04, 6.1562e-02],  
 [1.7902e+00, 4.6782e-04, 2.0628e-01],  
 [3.2808e-01, 8.5681e-06, 2.8727e-02],  
 [4.0964e+01, 5.3932e-01, 1.3998e+00],  
 [2.5721e+00, 5.7443e-04, 2.1676e-01],  
 [8.7904e+00, 3.1433e-02, 6.3502e-01],  
 [5.0953e+01, 4.0700e-01, 1.2445e+00],  
 [3.1612e-02, 9.4409e-08, 4.6696e-03],  
 [1.4232e+02, 5.3562e+00, 3.2215e+00],  
 [4.3716e-02, 1.0074e-06, 6.1115e-03],  
 [7.8123e+00, 2.3331e-03, 4.8436e-01],  
 [5.8682e+01, 8.2042e-01, 2.7940e+00],  
 [1.8030e+00, 4.5529e-04, 1.4244e-01],  
 [3.2327e+01, 6.5283e-02, 9.5509e-01],  
 [3.8199e-01, 3.0277e-05, 3.8595e-02],  
 [2.4247e+01, 2.4386e-01, 1.8718e+00],  
 [3.4698e+01, 4.4240e-01, 1.8009e+00],  
 [2.3219e+01, 1.7886e-01, 1.1651e+00],  
 [2.1612e+00, 9.0592e-04, 1.3598e-01],  
 [2.2071e+00, 4.0446e-04, 1.3323e-01],  
 [2.6897e+01, 1.2027e-01, 7.2028e-01],  
 [9.3598e-02, 1.6877e-06, 1.1787e-02],  
 [2.3277e+01, 4.0955e-03, 1.0220e+00],  
 [3.5087e+01, 4.3530e-01, 1.8372e+00],  
 [9.8990e+00, 3.7866e-03, 8.7420e-01],  
 [2.5178e+01, 7.4000e-02, 1.6853e+00],

[8.7449e+01, 9.9049e-02, 3.5989e+00],  
[6.6075e-02, 4.5190e-07, 9.7758e-03],  
[2.8382e+01, 9.3730e-02, 8.0606e-01],  
[3.2804e+01, 1.7007e-01, 1.0101e+00],  
[6.4086e+01, 9.0399e-01, 1.7003e+00],  
[7.0586e+01, 1.1703e+00, 2.1073e+00],  
[5.2329e-01, 1.7112e-05, 6.3252e-02],  
[1.3047e+01, 2.4247e-02, 5.4947e-01],  
[1.8298e+02, 4.9615e+00, 3.6846e+00],  
[4.0097e-01, 2.9458e-05, 4.5251e-02],  
[6.6903e-01, 5.7584e-05, 9.3716e-02],  
[1.0078e-01, 2.9398e-06, 1.3960e-02],  
[7.4308e+00, 5.9938e-03, 3.2226e-01],  
[6.8809e-03, 3.9664e-08, 1.0502e-03],  
[4.5014e+01, 5.0026e-02, 1.0177e+00],  
[2.3737e+01, 7.7163e-02, 7.4699e-01],  
[8.6165e+00, 1.3966e-02, 3.6847e-01],  
[7.4482e+00, 4.0170e-03, 4.2397e-01],  
[5.2176e+01, 2.1280e-01, 1.6063e+00],  
[4.2679e+00, 1.3430e-03, 2.5250e-01],  
[7.7123e+00, 9.8364e-03, 3.9961e-01],  
[2.1519e+00, 2.3913e-03, 1.5767e-01],  
[2.8241e+01, 1.3225e-01, 1.1046e+00],  
[2.0654e+00, 3.3279e-04, 1.3693e-01],  
[3.0360e-01, 2.6806e-05, 2.5197e-02],  
[7.6012e+01, 8.2756e-02, 3.3005e+00],  
[1.5330e-02, 1.1080e-07, 2.2491e-03],  
[2.4811e+00, 6.6823e-04, 1.6933e-01],  
[2.1698e+00, 2.2247e-03, 1.5749e-01],  
[5.5942e+00, 1.2085e-02, 3.7880e-01],  
[5.1285e+01, 9.1295e-02, 1.6083e+00],  
[1.1024e+00, 3.5607e-04, 1.2228e-01],  
[1.0179e+00, 3.9280e-05, 9.6740e-02],  
[2.3521e+01, 5.3540e-02, 1.2631e+00],  
[1.8283e+01, 7.1897e-02, 9.4744e-01],  
[1.4692e-01, 2.8005e-05, 2.0167e-02],  
[7.1270e-03, 4.9923e-08, 1.1181e-03],  
[1.4199e+01, 4.2913e-02, 6.0445e-01],  
[1.4693e+02, 2.4210e+00, 3.4632e+00],  
[7.6698e-02, 2.1503e-06, 9.8444e-03],  
[8.9619e+00, 1.6580e-03, 4.4787e-01],  
[2.0379e+00, 6.2040e-04, 1.8881e-01],  
[9.2138e-01, 1.2491e-04, 1.1383e-01],  
[3.0318e+01, 8.6564e-03, 8.2201e-01],  
[8.3748e-01, 2.4563e-04, 1.0164e-01],  
[2.7727e-01, 1.3308e-05, 2.4325e-02],  
[1.8445e-02, 7.9360e-08, 2.8988e-03],  
[6.9057e+01, 2.9862e-01, 3.4226e+00],



```

[3.3306e-03, 1.0501e-08, 5.2475e-04],
[2.5162e+01, 7.0395e-02, 7.0177e-01],
[1.9424e+01, 1.6105e-02, 6.9637e-01],
[1.4212e+01, 6.5352e-03, 7.0329e-01],
[1.6511e+01, 1.3464e-01, 1.2031e+00],
[8.6626e-01, 1.1828e-04, 1.1724e-01],
[5.4715e+01, 1.0679e-01, 2.3992e+00],
[4.0661e-01, 1.2582e-04, 4.2309e-02],
[8.5668e+00, 7.0995e-03, 3.2862e-01],
[1.5608e+01, 1.0977e-02, 4.5538e-01],
[4.9827e+01, 5.1977e-01, 1.4703e+00],
[3.4517e-01, 5.4091e-05, 3.6537e-02],
[1.0124e+00, 4.5976e-05, 9.1180e-02],
[9.2288e+00, 8.0903e-03, 7.3829e-01],
[1.7728e+00, 1.0876e-03, 1.6537e-01],
[2.3819e-02, 1.8523e-07, 3.4563e-03],
[2.8324e-01, 1.8256e-05, 3.2970e-02],
[2.6379e-02, 4.9795e-07, 3.9819e-03],
[3.2344e+01, 4.7555e-02, 1.3205e+00],
[4.6243e-01, 1.2018e-04, 4.3387e-02],
[5.4067e+01, 7.6249e-02, 2.5306e+00],
[2.9534e-02, 9.8935e-07, 4.3076e-03],
[1.4530e+00, 3.2575e-04, 8.3730e-02],
[6.9378e+01, 4.2688e-01, 3.4408e+00],
[6.4131e+01, 7.2099e-01, 2.0357e+00],
[2.5209e+00, 4.4212e-04, 2.4862e-01],
[2.1857e+01, 3.8082e-02, 8.7194e-01],
[7.8909e-03, 1.0144e-07, 1.2056e-03],
[1.3129e+00, 8.2224e-05, 9.9425e-02],
[4.4940e-01, 1.1142e-04, 4.8657e-02],
[1.4200e+01, 1.6915e-03, 6.0159e-01],
[1.5615e+02, 1.2981e+00, 4.7910e+00],
[1.3438e+02, 1.4113e+00, 2.3717e+00],
[5.0179e-02, 4.1136e-06, 7.3496e-03],
[8.5237e+01, 1.7921e+00, 2.1409e+00],
[4.6733e+00, 1.8456e-02, 4.2838e-01],
[7.3581e+00, 2.9178e-02, 4.9396e-01],
[6.8879e+00, 9.1932e-04, 2.4970e-01],
[5.6683e-03, 7.6681e-09, 8.7021e-04],
[5.3698e+01, 2.0977e-01, 1.4912e+00],
[4.5763e+01, 1.6373e-01, 1.7645e+00],
[2.7209e+02, 4.7403e-01, 4.2706e+00],
[7.5118e-02, 8.7211e-07, 1.1209e-02],
[4.2042e-02, 6.1489e-07, 6.2845e-03]], dtype=torch.float64)

```

Iteration: 184

```

Inputs: tensor([[1.4744e+18, 2.9382e+01, 1.6219e+01, 9.3507e+00],
                [9.4668e+20, 2.3827e+01, 1.8746e+01, 4.0787e+00],
                [3.7879e+19, 2.0146e+02, 3.9047e+00, 7.6432e+00],

```

```

...,
[6.4239e+19, 4.5762e+02, 1.4095e+01, 4.7521e+00],
[4.1950e+20, 7.9847e+01, 1.1776e+01, 8.1505e+00],
[6.6406e+20, 3.7943e+01, 6.8351e+00, 9.9072e+00]], dtype=torch.float64)
Target: tensor([[2.0048e-03, 7.4541e-09, 3.2069e-04],
[2.9667e+00, 6.0599e-03, 4.0364e-01],
[1.8104e+01, 4.3263e-02, 7.1977e-01],
[8.8278e+01, 1.1832e-01, 2.5243e+00],
[1.4426e+01, 6.2125e-03, 5.8008e-01],
[3.7621e+00, 2.2070e-03, 2.8060e-01],
[1.0402e+00, 2.3086e-04, 1.2934e-01],
[4.2655e-01, 5.8209e-05, 4.5278e-02],
[2.3583e-02, 4.0900e-07, 3.4003e-03],
[1.2899e+01, 1.0338e-02, 4.3390e-01],
[2.1709e+01, 1.5042e-01, 7.2019e-01],
[6.1828e+00, 1.0957e-03, 4.3437e-01],
[7.8664e+01, 3.2888e-01, 1.9775e+00],
[3.2069e+00, 1.4975e-03, 2.5858e-01],
[2.0215e+01, 4.1922e-02, 6.7164e-01],
[3.5737e-01, 8.7840e-06, 2.8243e-02],
[1.7509e-01, 2.8521e-05, 2.1993e-02],
[1.0110e+02, 1.0528e+00, 2.7856e+00],
[1.5577e+01, 8.8446e-03, 7.1490e-01],
[4.4116e-02, 1.4945e-06, 6.0382e-03],
[8.6897e+01, 6.4208e-01, 4.0364e+00],
[6.1275e-01, 1.6854e-05, 5.4691e-02],
[8.0312e+01, 1.7792e-01, 2.2632e+00],
[6.5702e-02, 6.7994e-07, 8.1154e-03],
[4.8900e+01, 5.9847e-02, 1.0184e+00],
[8.0695e+00, 1.4683e-02, 8.3985e-01],
[1.2982e-02, 2.4042e-07, 2.0584e-03],
[7.0537e-03, 4.8093e-08, 1.0818e-03],
[6.8315e+01, 2.0952e-01, 1.7282e+00],
[8.1614e+01, 1.4595e-01, 2.0133e+00],
[2.0505e-02, 1.8792e-07, 3.0346e-03],
[2.7448e-01, 1.7052e-05, 3.2177e-02],
[7.7054e-01, 1.6293e-04, 8.6587e-02],
[6.5272e-01, 1.3275e-04, 8.1787e-02],
[1.2166e+00, 2.6904e-04, 1.3417e-01],
[5.0684e-01, 3.1236e-05, 3.4713e-02],
[4.5642e-01, 1.5760e-05, 4.1632e-02],
[6.3162e-01, 2.3707e-04, 5.4748e-02],
[1.1935e+02, 4.7361e+00, 4.2714e+00],
[8.2444e-01, 3.4565e-04, 7.6788e-02],
[3.4646e-02, 6.3501e-07, 5.2715e-03],
[7.5446e+00, 5.9938e-03, 5.3132e-01],
[1.1549e+01, 1.1025e-02, 5.5278e-01],
[5.2631e-01, 1.0320e-04, 5.4467e-02],

```

[1.0530e+02, 2.0545e+00, 3.3933e+00],  
 [1.3064e+01, 2.5868e-02, 1.0813e+00],  
 [9.1397e+01, 2.2857e+00, 2.9106e+00],  
 [3.7831e+00, 1.8686e-03, 2.3806e-01],  
 [4.2872e+00, 3.2490e-03, 1.9575e-01],  
 [2.9511e+00, 2.8128e-03, 2.1819e-01],  
 [1.1956e+01, 5.9089e-03, 5.5483e-01],  
 [1.5552e+02, 3.6822e+00, 4.7269e+00],  
 [2.4942e+00, 1.1150e-03, 2.6242e-01],  
 [6.3761e+00, 4.3450e-03, 5.7110e-01],  
 [4.1746e+01, 1.3605e-01, 1.1029e+00],  
 [1.3674e+02, 3.8609e+00, 4.1117e+00],  
 [2.4677e+01, 4.2104e-02, 6.7065e-01],  
 [1.2065e-02, 1.6039e-07, 1.8305e-03],  
 [4.8287e-01, 3.7996e-05, 4.0630e-02],  
 [1.4835e+00, 3.8435e-04, 1.0244e-01],  
 [4.6477e+00, 7.3494e-03, 4.5975e-01],  
 [1.5538e-01, 1.2663e-06, 1.9927e-02],  
 [4.4795e+01, 5.0659e-01, 1.5803e+00],  
 [3.8570e+01, 1.0255e-01, 1.9938e+00],  
 [1.5212e+02, 1.6615e+00, 4.3979e+00],  
 [3.8290e+01, 6.0172e-01, 1.6089e+00],  
 [2.3721e+01, 2.4559e-02, 1.1005e+00],  
 [1.6709e+01, 4.5387e-02, 6.5967e-01],  
 [9.1834e-01, 7.2268e-05, 1.0908e-01],  
 [1.9713e-01, 1.8870e-06, 2.1140e-02],  
 [2.2091e+00, 7.5864e-04, 2.6445e-01],  
 [2.2808e+00, 2.5578e-04, 1.3460e-01],  
 [4.9192e+01, 2.5080e-01, 2.7299e+00],  
 [9.9469e-01, 1.2073e-03, 1.2157e-01],  
 [1.0383e+00, 1.9682e-04, 1.0192e-01],  
 [1.0558e+00, 8.9775e-05, 1.0906e-01],  
 [5.6250e-02, 1.7308e-07, 7.3680e-03],  
 [4.2727e-01, 2.3906e-05, 3.7183e-02],  
 [1.6156e+02, 4.8209e+00, 4.3601e+00],  
 [3.4542e+00, 8.3683e-04, 1.7382e-01],  
 [3.5818e-01, 2.2414e-05, 3.5412e-02],  
 [1.7689e+02, 5.5211e+00, 4.7888e+00],  
 [1.1080e-01, 4.0495e-06, 1.5383e-02],  
 [1.0180e+01, 4.8827e-02, 8.0998e-01],  
 [3.3521e-01, 1.3308e-05, 4.0959e-02],  
 [8.4029e+00, 1.3180e-02, 4.8037e-01],  
 [2.6132e-01, 3.0832e-05, 3.2471e-02],  
 [2.7862e+00, 7.6980e-04, 2.6737e-01],  
 [1.0658e+00, 5.8632e-05, 1.1984e-01],  
 [7.5272e+00, 3.1029e-03, 3.4243e-01],  
 [6.4436e+01, 2.3979e-01, 2.5152e+00],  
 [8.9717e+00, 3.9203e-02, 7.5624e-01],

[1.3958e+01, 6.2526e-02, 1.2821e+00],  
[6.3495e+01, 3.2238e-01, 1.9016e+00],  
[1.6610e+02, 5.2174e+00, 4.8171e+00],  
[2.7209e+01, 1.2883e-01, 1.3073e+00],  
[9.2354e+00, 1.6579e-02, 5.6515e-01],  
[8.7962e+01, 1.0363e+00, 3.8912e+00],  
[2.0551e+02, 1.7567e+00, 3.5549e+00],  
[4.4058e+00, 4.8469e-04, 2.9532e-01],  
[1.0861e-01, 1.2171e-05, 1.4404e-02],  
[5.1477e-01, 1.3377e-04, 5.8645e-02],  
[6.4795e+00, 1.0394e-02, 3.1818e-01],  
[5.3373e-01, 2.5336e-05, 5.8919e-02],  
[1.5359e+02, 3.2323e+00, 3.1224e+00],  
[1.0197e+00, 2.0580e-04, 6.7690e-02],  
[2.0027e+02, 3.6408e-01, 3.6590e+00],  
[1.1129e+02, 3.8883e+00, 3.0604e+00],  
[4.0405e-03, 1.2285e-08, 6.3526e-04],  
[8.5199e+01, 1.7094e+00, 2.2124e+00],  
[3.8941e+01, 3.4677e-01, 1.5753e+00],  
[1.1347e+01, 4.4099e-03, 5.5716e-01],  
[8.6699e-01, 3.3725e-04, 6.9599e-02],  
[6.5139e+00, 9.9665e-03, 4.6439e-01],  
[4.6403e+01, 5.2949e-01, 2.2333e+00],  
[3.1864e+00, 1.0995e-03, 2.6503e-01],  
[2.1591e+00, 4.2354e-03, 2.3012e-01],  
[2.9185e-03, 9.2284e-09, 4.6392e-04],  
[5.1705e-01, 4.4305e-05, 6.0820e-02],  
[4.3421e+00, 1.1134e-03, 2.8702e-01],  
[9.5653e-01, 5.0226e-04, 1.1564e-01],  
[1.4536e+00, 4.1357e-04, 1.4181e-01],  
[3.7296e+01, 7.3490e-02, 1.3327e+00],  
[2.8319e+01, 5.3964e-02, 2.1691e+00],  
[7.3630e+00, 6.5205e-03, 5.2360e-01],  
[1.4934e+01, 4.7051e-02, 6.3288e-01],  
[1.2138e+01, 7.2338e-03, 5.2886e-01],  
[1.8106e-02, 7.2659e-08, 2.6551e-03],  
[8.7004e+01, 1.6002e+00, 3.3666e+00],  
[1.8858e-01, 1.7595e-05, 2.1733e-02],  
[1.3408e+02, 8.2684e-02, 2.9326e+00],  
[8.1887e-02, 4.4478e-06, 1.1404e-02],  
[5.0239e-01, 6.6098e-05, 4.3660e-02],  
[3.3518e+00, 4.4924e-04, 1.8895e-01],  
[7.3952e+00, 1.4647e-02, 5.1120e-01],  
[1.8345e+02, 1.0641e+00, 3.9908e+00],  
[6.8234e+01, 5.0592e-01, 2.0018e+00],  
[5.6434e-01, 1.9359e-04, 5.5246e-02],  
[5.0431e+00, 2.5873e-02, 5.6998e-01],  
[8.4419e-01, 6.7257e-05, 1.1321e-01],

[6.3512e+01, 5.7226e-01, 2.4055e+00],  
[8.1408e+00, 3.3400e-03, 3.5880e-01],  
[5.2716e+00, 5.4933e-03, 3.4777e-01],  
[1.4082e+01, 2.9235e-02, 6.3187e-01],  
[3.4430e-01, 3.8633e-05, 3.6763e-02],  
[4.4004e+00, 3.1275e-04, 2.2723e-01],  
[5.3964e+01, 4.4442e-01, 1.2162e+00],  
[5.6134e+00, 1.8579e-02, 5.7233e-01],  
[7.7319e-01, 9.2374e-05, 7.0345e-02],  
[1.1649e+00, 8.5951e-05, 1.0771e-01],  
[2.2836e-01, 6.7718e-06, 2.6920e-02],  
[3.3159e+01, 1.7289e-01, 1.8081e+00],  
[1.3905e-01, 3.1711e-06, 1.7814e-02],  
[3.5409e+01, 1.0578e-01, 1.2707e+00],  
[9.3241e+01, 1.5664e+00, 1.9474e+00],  
[8.8261e+00, 1.3365e-02, 4.1824e-01],  
[2.0895e+01, 2.4323e-03, 7.5783e-01],  
[1.2832e-01, 5.0008e-06, 1.4248e-02],  
[6.6043e+01, 8.2771e-01, 1.7306e+00],  
[2.5068e+01, 2.2605e-01, 8.3883e-01],  
[1.6953e-01, 8.6916e-06, 1.8196e-02],  
[3.0947e+01, 1.6277e-01, 1.5079e+00],  
[1.3582e+00, 1.9236e-04, 1.0973e-01],  
[2.0672e+01, 7.5658e-02, 8.5180e-01],  
[2.4224e+00, 3.5986e-04, 2.5620e-01],  
[1.0779e+00, 4.1211e-04, 1.0109e-01],  
[4.8817e+00, 1.5610e-03, 2.2572e-01],  
[1.5730e+02, 2.3817e+00, 4.5513e+00],  
[8.2423e+00, 4.1793e-02, 6.2438e-01],  
[8.0132e+00, 1.2748e-02, 4.9834e-01],  
[1.3681e+00, 1.6690e-03, 1.7434e-01],  
[1.6776e+01, 2.1116e-02, 6.0379e-01],  
[1.0293e+02, 1.3942e+00, 3.7996e+00],  
[4.3939e-01, 1.0273e-04, 4.5007e-02],  
[3.1890e+00, 7.2527e-04, 3.0551e-01],  
[6.9214e+00, 1.4086e-02, 3.9470e-01],  
[5.9074e-01, 7.0633e-05, 7.1209e-02],  
[1.2437e+00, 1.3908e-04, 9.1947e-02],  
[9.8151e+00, 9.1869e-03, 1.0362e+00],  
[1.3780e+00, 6.3061e-04, 1.4056e-01],  
[5.4199e+00, 3.4497e-03, 4.2850e-01],  
[4.5185e+01, 1.8651e-01, 1.9850e+00],  
[6.5501e-01, 1.7182e-04, 7.4244e-02],  
[4.3529e-01, 6.7260e-05, 4.0492e-02],  
[5.8326e+00, 7.3606e-03, 3.0019e-01],  
[4.3608e-02, 6.5161e-07, 5.7427e-03],  
[3.0762e+00, 6.4124e-04, 1.8312e-01],  
[2.5546e+01, 5.1252e-02, 1.2341e+00],

[2.0774e-01, 5.6349e-07, 2.2783e-02],  
[1.0738e+01, 5.3008e-03, 4.3818e-01],  
[6.8621e+01, 7.6555e-01, 1.6466e+00],  
[1.6260e+00, 8.0391e-04, 1.4223e-01],  
[1.3489e+02, 1.6871e+00, 3.9016e+00],  
[2.1165e+00, 4.4739e-04, 1.9250e-01],  
[1.1266e+01, 7.0316e-02, 8.5763e-01],  
[2.9879e+02, 1.6106e+01, 5.0654e+00],  
[2.3242e+00, 4.0812e-03, 2.7280e-01],  
[2.4046e+00, 1.4315e-03, 1.5258e-01],  
[4.7697e-02, 1.0977e-06, 6.1682e-03],  
[1.1339e-02, 1.0382e-07, 1.7343e-03],  
[7.5085e+01, 1.2175e+00, 2.2159e+00],  
[6.9209e-02, 3.4739e-06, 9.3412e-03],  
[2.2919e+00, 3.7995e-04, 2.0253e-01],  
[4.7371e+01, 2.6856e-01, 1.7964e+00],  
[1.9879e-01, 8.3765e-06, 3.0173e-02],  
[3.0279e+01, 9.1289e-02, 2.2240e+00],  
[1.4958e+01, 4.2791e-02, 6.2341e-01],  
[1.0142e+00, 2.2360e-04, 8.6062e-02],  
[3.3489e+00, 2.4963e-03, 2.1858e-01],  
[2.7090e+01, 4.0997e-03, 8.7180e-01],  
[3.3497e+00, 2.1137e-03, 2.8715e-01],  
[2.4069e-01, 2.3246e-05, 3.1149e-02],  
[5.8702e+01, 5.4024e-01, 2.3858e+00],  
[3.1261e+00, 2.0373e-03, 2.4016e-01],  
[3.2523e+00, 1.5408e-03, 2.3457e-01],  
[3.9826e+01, 9.4225e-03, 9.3215e-01],  
[2.3236e+00, 1.5803e-03, 1.8521e-01],  
[2.0502e+01, 2.5928e-01, 1.6681e+00],  
[4.9610e+00, 3.6055e-03, 4.6394e-01],  
[1.5357e+01, 5.9417e-02, 6.6536e-01],  
[2.2141e+00, 2.2589e-04, 1.4558e-01],  
[2.1333e-01, 3.9417e-05, 2.9539e-02],  
[2.0186e+01, 9.8920e-03, 1.6420e+00],  
[5.7935e+01, 3.6832e-02, 1.1876e+00],  
[1.0441e+02, 1.0851e+00, 2.6964e+00],  
[2.6227e+01, 2.7646e-01, 2.2586e+00],  
[2.2590e+00, 2.8650e-03, 1.6377e-01],  
[7.0562e+01, 8.1106e-01, 2.8835e+00],  
[3.8958e+00, 3.6753e-03, 3.1609e-01],  
[8.9756e-02, 2.2396e-07, 1.0537e-02],  
[2.8633e-01, 3.1334e-05, 2.8380e-02],  
[4.0361e-01, 1.1538e-05, 4.2244e-02],  
[2.0738e-02, 2.0220e-07, 3.2815e-03],  
[3.7499e-02, 8.8559e-07, 5.7194e-03],  
[3.2744e+01, 1.8744e-02, 2.0983e+00],  
[1.4003e+01, 1.9625e-02, 5.9018e-01],

[1.5149e+00, 4.3139e-04, 1.2072e-01],  
[2.5320e+00, 3.8440e-03, 2.1940e-01],  
[3.3577e-01, 4.1198e-05, 4.8445e-02],  
[7.4498e+01, 1.7451e+00, 3.2131e+00],  
[1.5362e-02, 3.9719e-07, 2.3266e-03],  
[1.2498e+01, 8.2728e-02, 1.1087e+00],  
[8.0284e-03, 5.8276e-08, 1.2161e-03],  
[2.4201e-02, 2.5702e-08, 3.5416e-03],  
[1.2398e+02, 1.5970e+00, 3.1990e+00],  
[4.5407e-01, 4.6650e-05, 4.6738e-02],  
[5.4084e+00, 4.7831e-03, 6.6705e-01],  
[1.1151e+02, 2.6439e+00, 3.0294e+00],  
[2.2401e+02, 3.8581e+00, 4.0402e+00],  
[5.6050e+00, 3.4990e-03, 4.2200e-01],  
[6.9031e+01, 2.5961e-01, 3.1668e+00],  
[1.9184e+01, 1.3221e-02, 8.9291e-01],  
[6.3030e+00, 1.2045e-02, 4.2770e-01],  
[3.8114e-01, 4.9279e-05, 3.8441e-02],  
[1.3021e+01, 3.6246e-02, 7.0518e-01],  
[2.2569e-01, 3.9054e-05, 3.2322e-02],  
[2.9603e+00, 3.2056e-03, 3.4644e-01],  
[8.9809e-01, 7.0528e-05, 5.6668e-02],  
[2.9734e+00, 7.1927e-04, 2.1315e-01],  
[5.4814e+01, 8.5653e-01, 1.4901e+00],  
[4.2523e+01, 1.3180e-01, 1.5702e+00],  
[3.2669e-01, 6.8376e-05, 4.4758e-02],  
[6.3390e+01, 5.4971e-01, 2.0214e+00],  
[6.1941e-02, 1.1923e-06, 8.0218e-03],  
[1.7540e+00, 9.0215e-04, 1.1959e-01],  
[4.8319e-01, 3.0071e-05, 6.8467e-02],  
[6.1482e+00, 7.1831e-03, 4.7810e-01],  
[1.2258e+01, 6.4087e-02, 5.5891e-01],  
[1.2359e+00, 4.1971e-04, 8.6934e-02],  
[8.4264e-01, 5.5990e-04, 1.1184e-01],  
[6.5512e-01, 2.6611e-04, 7.7103e-02],  
[7.4913e+01, 1.4016e+00, 1.8040e+00],  
[7.6330e+01, 6.5463e-02, 2.0399e+00],  
[6.1814e+01, 9.0027e-01, 2.2295e+00],  
[3.7188e+01, 9.5324e-02, 8.8241e-01],  
[4.8160e-01, 2.9768e-05, 4.3100e-02],  
[1.7170e+00, 9.4370e-04, 1.7985e-01],  
[9.3690e+00, 1.9803e-02, 4.4744e-01],  
[1.3391e-01, 9.0940e-06, 1.5576e-02],  
[4.5291e-02, 2.2789e-07, 5.9871e-03],  
[8.6599e+00, 3.9811e-02, 5.6873e-01],  
[1.9654e+01, 1.1585e-01, 8.1720e-01],  
[4.1953e+00, 4.7822e-03, 3.3321e-01],  
[1.2653e+01, 9.7217e-03, 8.5593e-01],

```

[2.1817e-03, 7.8190e-10, 3.4984e-04],
[5.9368e-02, 2.8214e-06, 8.3029e-03],
[2.5479e-01, 9.7850e-06, 2.5671e-02],
[3.5525e+01, 2.4946e-02, 2.2362e+00],
[1.2565e+00, 1.5423e-04, 9.7342e-02],
[2.9734e+01, 2.4960e-01, 1.2582e+00],
[9.5640e-03, 9.6626e-08, 1.4297e-03],
[1.8875e+00, 3.6747e-04, 1.6099e-01],
[1.3205e+02, 1.6131e+00, 4.0913e+00],
[6.3007e+00, 5.8597e-03, 3.3917e-01],
[6.1106e+00, 6.2083e-03, 5.2074e-01],
[3.5457e+01, 2.1585e-01, 9.0119e-01],
[3.4470e+01, 1.3081e-01, 1.2128e+00],
[2.5240e+00, 8.2377e-04, 2.4229e-01],
[1.0554e+02, 2.8014e+00, 2.6674e+00],
[1.5056e+01, 1.0143e-03, 7.8697e-01],
[4.0941e+00, 6.9280e-03, 3.5004e-01],
[1.2887e+00, 3.6128e-04, 9.7857e-02],
[1.0136e+00, 6.5672e-04, 1.2469e-01],
[1.9730e+02, 2.9399e+00, 3.5001e+00],
[4.6917e-01, 8.6846e-05, 4.8586e-02],
[5.7006e+01, 1.9771e-01, 1.2873e+00],
[1.2577e-01, 8.8609e-06, 1.4500e-02],
[4.7046e-01, 2.6416e-05, 3.6466e-02],
[5.8420e+00, 2.3588e-03, 3.3086e-01],
[8.5275e+00, 9.0158e-03, 4.7169e-01],
[5.9211e-01, 1.1987e-04, 7.4066e-02],
[3.6789e-01, 4.9906e-05, 3.9480e-02],
[1.8112e-02, 2.3607e-08, 2.6809e-03],
[2.3462e-01, 1.5480e-05, 2.8753e-02],
[5.5244e-01, 1.4241e-04, 6.7917e-02],
[3.1641e+01, 1.1013e-02, 8.3960e-01],
[1.4125e+00, 2.1070e-04, 9.1625e-02],
[2.7957e+01, 1.0559e-01, 1.0186e+00],
[3.4972e+01, 4.3380e-01, 2.1784e+00],
[3.1802e+01, 4.4631e-01, 2.3412e+00]], dtype=torch.float64)
Iteration: 185
Inputs: tensor([[2.0563e+19, 2.2147e+02, 6.6206e-01, 2.7434e+00],
               [3.1578e+18, 2.5811e+02, 7.2776e+00, 4.0086e+00],
               [3.4629e+20, 1.3689e+02, 1.9687e+01, 5.5201e+00],
               ...,
               [6.8777e+18, 4.4519e+02, 6.0192e+00, 8.2372e+00],
               [1.9697e+18, 1.0804e+02, 4.0160e+00, 1.7387e+00],
               [7.1704e+18, 3.6720e+02, 1.4846e+01, 3.0495e+00]], dtype=torch.float64)
Target: tensor([[1.1709e+01, 1.7189e-03, 4.8224e-01],
               [4.3330e-01, 2.4818e-05, 4.4258e-02],
               [2.7522e+01, 2.4800e-01, 1.8400e+00],
               [6.6655e+01, 1.4126e+00, 3.4819e+00],

```



[1.0440e+01, 8.0488e-03, 4.4414e-01],  
 [4.1221e+00, 1.1455e-02, 3.1761e-01],  
 [9.6674e+01, 7.9409e-01, 2.6985e+00],  
 [4.9779e+00, 4.2970e-03, 2.6056e-01],  
 [9.6224e+01, 3.3264e+00, 2.8145e+00],  
 [4.5079e+00, 4.0689e-03, 2.9247e-01],  
 [4.7607e-01, 7.4898e-05, 7.0624e-02],  
 [3.1635e-03, 1.2679e-09, 5.0219e-04],  
 [4.1722e+01, 1.5178e-01, 2.0472e+00],  
 [2.7063e-01, 4.9506e-05, 3.4083e-02],  
 [6.6286e+01, 2.5403e-02, 2.2414e+00],  
 [1.5564e+00, 6.0994e-04, 1.7037e-01],  
 [6.2678e-01, 2.8286e-04, 6.7588e-02],  
 [1.9649e+01, 4.5827e-02, 6.2545e-01],  
 [4.8139e-01, 6.3382e-05, 4.4606e-02],  
 [1.4942e+01, 1.3714e-01, 1.3598e+00],  
 [4.5763e+00, 2.7178e-03, 3.2785e-01],  
 [2.8352e+01, 1.8470e-02, 1.3540e+00],  
 [1.1332e+01, 9.0967e-03, 3.5201e-01],  
 [3.5884e+01, 2.5027e-01, 1.1742e+00],  
 [9.8293e-02, 1.1537e-05, 1.3839e-02],  
 [4.8872e-02, 3.3913e-07, 7.3392e-03],  
 [1.0285e+01, 1.7667e-03, 5.7634e-01],  
 [2.4775e-02, 1.3065e-07, 3.4613e-03],  
 [3.7847e+01, 2.0194e-01, 1.2727e+00],  
 [5.7826e+01, 7.7825e-01, 2.4815e+00],  
 [2.5680e+01, 8.8530e-02, 9.3658e-01],  
 [1.1689e-01, 1.3432e-06, 1.5186e-02],  
 [2.1937e+00, 1.4231e-03, 2.4640e-01],  
 [4.9272e+00, 1.3644e-03, 3.9272e-01],  
 [1.7956e+01, 1.2933e-01, 1.2057e+00],  
 [6.7459e+01, 5.2014e-01, 1.7764e+00],  
 [2.1758e+02, 1.0373e+00, 4.6190e+00],  
 [1.5813e+01, 7.1351e-02, 5.8259e-01],  
 [9.2371e-03, 9.4096e-08, 1.4379e-03],  
 [3.7332e-01, 1.5387e-06, 3.1118e-02],  
 [2.8678e-01, 4.8966e-06, 3.6665e-02],  
 [2.3580e+01, 1.9885e-01, 1.3059e+00],  
 [2.3422e+01, 1.1747e-01, 1.0394e+00],  
 [6.2224e+00, 4.1379e-03, 5.4651e-01],  
 [3.1438e+01, 1.1407e-01, 1.3882e+00],  
 [7.4151e+01, 2.9564e-01, 1.6595e+00],  
 [2.3585e-01, 7.1950e-05, 3.0925e-02],  
 [9.2430e+01, 8.1361e-01, 3.8523e+00],  
 [1.9707e+01, 7.1615e-02, 6.3519e-01],  
 [6.3425e+00, 6.3783e-04, 2.4479e-01],  
 [1.2902e+02, 1.5722e+00, 2.6161e+00],  
 [1.2480e-01, 1.3584e-06, 1.7162e-02],

[4.5652e+01, 7.1970e-01, 2.5721e+00],  
[4.1529e-02, 2.6374e-07, 6.3457e-03],  
[1.5635e-02, 6.5299e-08, 2.2816e-03],  
[1.4206e+01, 2.9280e-02, 1.2014e+00],  
[1.7157e-02, 2.5498e-07, 2.5294e-03],  
[2.2309e-02, 1.8075e-07, 3.2327e-03],  
[1.5089e+02, 4.9024e+00, 3.8416e+00],  
[1.9417e+02, 6.8945e-01, 4.6105e+00],  
[1.6607e-01, 1.0321e-06, 2.1440e-02],  
[9.1049e-02, 2.5971e-06, 1.1825e-02],  
[4.0592e+01, 2.5417e-01, 2.5854e+00],  
[9.3910e-01, 2.5409e-04, 1.1990e-01],  
[2.8672e+01, 7.6486e-02, 8.0162e-01],  
[3.1782e+00, 9.2762e-04, 1.7397e-01],  
[5.1965e+01, 2.7424e-01, 2.3342e+00],  
[8.3061e-03, 1.2232e-07, 1.3091e-03],  
[5.0695e+01, 4.1612e-01, 1.1092e+00],  
[1.7129e+01, 5.3164e-02, 6.6932e-01],  
[2.9258e+01, 3.0102e-01, 2.4136e+00],  
[8.1535e-02, 2.4272e-06, 1.0064e-02],  
[1.2603e+00, 1.6040e-03, 1.4267e-01],  
[2.3046e+01, 1.9700e-02, 9.1625e-01],  
[5.1478e-01, 1.4663e-05, 4.9998e-02],  
[1.3520e-01, 7.4124e-06, 1.5657e-02],  
[4.0932e+00, 3.4258e-03, 2.9228e-01],  
[5.1255e+01, 4.8811e-01, 2.9323e+00],  
[1.0153e+01, 1.7822e-02, 5.7124e-01],  
[1.1913e+02, 2.7105e+00, 3.9240e+00],  
[4.3702e+01, 1.8048e-01, 2.7246e+00],  
[6.3929e+01, 6.7714e-01, 2.7961e+00],  
[1.4372e+00, 2.4866e-04, 9.6679e-02],  
[1.1011e+02, 8.5005e-01, 2.8347e+00],  
[2.1700e+01, 1.7367e-02, 1.1028e+00],  
[3.2957e+01, 3.0713e-01, 2.3767e+00],  
[1.5767e+01, 2.9096e-02, 4.3501e-01],  
[3.4577e-01, 1.3680e-05, 3.0977e-02],  
[1.6604e-01, 1.1187e-05, 1.7018e-02],  
[2.9082e+00, 6.1006e-04, 1.6950e-01],  
[4.9230e-04, 4.0582e-11, 8.0922e-05],  
[1.0000e+00, 1.2570e-04, 1.1203e-01],  
[6.2428e+00, 1.1021e-02, 3.4543e-01],  
[1.2432e+00, 2.2174e-04, 9.8762e-02],  
[1.2156e+00, 5.0590e-04, 8.2695e-02],  
[3.8684e+00, 2.4663e-03, 1.8714e-01],  
[1.4091e+01, 1.1039e-02, 7.5116e-01],  
[4.0963e+00, 1.5268e-02, 4.3330e-01],  
[5.7710e-02, 4.8005e-07, 8.2205e-03],  
[1.3527e+02, 3.6237e-01, 2.8835e+00],

[1.2480e+01, 7.0406e-02, 7.8254e-01],  
[3.6252e+01, 1.9978e-01, 1.3982e+00],  
[3.4636e+01, 1.4559e-01, 1.8797e+00],  
[5.9128e-01, 3.4289e-05, 4.5722e-02],  
[7.3604e-02, 6.7661e-06, 9.7198e-03],  
[1.8647e+01, 4.9642e-02, 8.2126e-01],  
[2.5564e-01, 2.5158e-05, 3.2960e-02],  
[7.8601e+01, 7.9047e-01, 1.5241e+00],  
[9.6839e+00, 7.8344e-03, 4.0880e-01],  
[6.3494e+00, 1.4452e-02, 5.0878e-01],  
[1.5262e+01, 9.7583e-02, 9.2586e-01],  
[8.4420e-01, 1.6864e-05, 5.5634e-02],  
[2.4179e+02, 5.1398e+00, 4.3866e+00],  
[7.5174e+00, 4.6508e-03, 3.0330e-01],  
[3.6855e-01, 4.8901e-05, 3.6105e-02],  
[3.8072e+00, 3.2218e-03, 2.4566e-01],  
[2.6819e+00, 5.4107e-04, 1.3712e-01],  
[2.2620e-01, 1.2743e-05, 3.2460e-02],  
[4.4617e+00, 7.8961e-03, 5.1354e-01],  
[1.4199e+02, 4.0262e+00, 3.8405e+00],  
[1.0663e+02, 1.1387e-01, 2.8095e+00],  
[1.6101e+02, 3.5331e+00, 3.7818e+00],  
[1.7018e+01, 2.9383e-03, 6.6797e-01],  
[3.2698e+01, 2.6568e-02, 1.6168e+00],  
[1.5944e-01, 9.2471e-06, 1.6712e-02],  
[2.4857e+00, 1.3077e-03, 3.0874e-01],  
[6.1820e+01, 3.4835e-01, 1.2181e+00],  
[4.0387e+01, 9.1973e-02, 8.3475e-01],  
[4.7895e-02, 1.3649e-06, 6.2352e-03],  
[3.0910e+01, 2.7685e-02, 1.4652e+00],  
[1.2431e+02, 2.1497e+00, 4.0552e+00],  
[1.5272e+01, 2.4196e-01, 1.5407e+00],  
[1.3800e+00, 8.7431e-04, 1.0795e-01],  
[1.2584e+01, 1.0949e-02, 4.7686e-01],  
[3.4990e+00, 4.5063e-04, 4.3242e-01],  
[1.6750e+01, 3.9421e-02, 7.8772e-01],  
[2.8275e+01, 2.8911e-02, 1.8464e+00],  
[7.7835e-01, 3.5885e-05, 6.3580e-02],  
[5.9037e+00, 6.3730e-03, 4.1568e-01],  
[2.1765e-02, 1.0058e-07, 3.1106e-03],  
[8.6230e-01, 2.3287e-04, 6.6289e-02],  
[1.0035e+00, 1.6454e-04, 8.5082e-02],  
[1.0761e-03, 1.9354e-10, 1.7535e-04],  
[4.3202e+01, 1.5905e-01, 2.5928e+00],  
[1.3982e-02, 4.1671e-08, 2.1913e-03],  
[5.4906e+01, 7.7809e-01, 1.5344e+00],  
[1.8252e+01, 6.7526e-02, 6.4845e-01],  
[2.2563e+02, 5.1535e+00, 4.8528e+00],

[4.9901e-01, 2.6571e-05, 6.4682e-02],  
[1.0920e+00, 3.3563e-05, 1.0017e-01],  
[1.2634e+00, 1.5859e-04, 1.0579e-01],  
[1.6962e+01, 4.3995e-03, 1.1890e+00],  
[6.0990e+01, 1.0078e-01, 1.2973e+00],  
[4.7734e+01, 5.9309e-01, 2.1928e+00],  
[1.0384e+02, 1.7180e+00, 2.3474e+00],  
[3.0921e-01, 2.3737e-05, 3.3939e-02],  
[3.6254e+00, 1.7230e-03, 2.3589e-01],  
[7.8279e+01, 1.2822e+00, 2.6842e+00],  
[1.6711e-02, 2.4785e-08, 2.5671e-03],  
[2.2419e-02, 6.5432e-07, 3.2809e-03],  
[1.3941e+01, 3.5614e-02, 6.6243e-01],  
[6.2306e+00, 8.4605e-03, 5.2747e-01],  
[1.8130e-02, 8.8533e-08, 2.6341e-03],  
[1.4809e+00, 1.0729e-03, 1.1397e-01],  
[6.0289e+01, 1.8662e-01, 3.4810e+00],  
[6.0392e+00, 1.1925e-02, 3.9758e-01],  
[6.9466e-02, 3.7981e-07, 8.5560e-03],  
[6.7865e+01, 1.0327e+00, 2.4922e+00],  
[2.5205e-01, 1.8189e-05, 3.0364e-02],  
[1.9164e+01, 6.1565e-02, 1.0576e+00],  
[7.2374e-02, 3.7186e-06, 8.9559e-03],  
[6.3516e-01, 1.5398e-04, 5.6579e-02],  
[3.8733e+01, 1.3961e-01, 1.4893e+00],  
[3.2813e+01, 1.8125e-02, 2.1317e+00],  
[4.4576e+01, 3.0720e-01, 1.6822e+00],  
[3.5752e-01, 6.6185e-05, 3.3200e-02],  
[8.4863e+00, 2.4164e-03, 4.7489e-01],  
[6.8952e+00, 3.4993e-02, 6.3720e-01],  
[1.7670e+01, 8.1463e-02, 8.9546e-01],  
[2.4504e+00, 3.8157e-03, 3.1700e-01],  
[2.3187e+00, 2.1793e-03, 1.5012e-01],  
[8.4562e+00, 1.8042e-02, 5.7536e-01],  
[8.5707e-02, 6.0660e-07, 1.1867e-02],  
[1.1922e+01, 5.5803e-02, 5.4454e-01],  
[1.8608e+01, 7.6569e-02, 1.0336e+00],  
[1.0713e+02, 2.5917e+00, 3.6112e+00],  
[1.2691e+02, 8.9994e-01, 2.1514e+00],  
[1.2047e-01, 3.3923e-06, 1.5852e-02],  
[1.2633e+00, 6.7047e-04, 1.5070e-01],  
[3.0722e+00, 5.1592e-04, 2.0727e-01],  
[2.5972e+01, 6.4920e-02, 2.0006e+00],  
[1.4888e-03, 1.8184e-10, 2.4000e-04],  
[2.2375e+01, 3.9485e-02, 9.1747e-01],  
[1.9227e-01, 5.0561e-06, 2.3721e-02],  
[1.7139e+01, 3.9483e-02, 9.9075e-01],  
[1.8664e+01, 3.4936e-02, 4.9115e-01],

[3.0943e+00, 9.2540e-04, 2.5338e-01],  
[1.4479e+02, 5.8868e+00, 3.3803e+00],  
[2.9705e+00, 1.7675e-03, 2.0432e-01],  
[1.1222e+02, 1.5531e+00, 2.8942e+00],  
[4.6656e+00, 9.3104e-03, 2.6040e-01],  
[5.1185e+00, 2.2017e-02, 4.1590e-01],  
[1.8487e+01, 6.9813e-02, 1.0389e+00],  
[7.5544e-01, 4.8249e-05, 6.0368e-02],  
[2.0775e+02, 9.0414e-01, 4.2115e+00],  
[5.3572e+00, 4.9238e-03, 4.7647e-01],  
[6.1851e+00, 3.2968e-02, 6.3765e-01],  
[7.6448e+00, 5.5256e-03, 2.9937e-01],  
[6.8393e+01, 1.6021e+00, 2.4559e+00],  
[2.6784e+01, 2.0675e-01, 8.2739e-01],  
[2.7598e+00, 2.3842e-03, 2.0322e-01],  
[2.2657e+01, 3.9622e-02, 2.0299e+00],  
[2.0811e-01, 2.3400e-05, 2.6202e-02],  
[1.2456e+02, 1.5270e+00, 3.2023e+00],  
[8.6238e+01, 7.5148e-01, 2.8345e+00],  
[7.5655e+00, 3.5995e-03, 7.8086e-01],  
[1.6567e+02, 2.0841e+00, 4.6090e+00],  
[3.2687e-01, 4.8746e-05, 3.7943e-02],  
[2.9769e-02, 4.2877e-07, 4.4023e-03],  
[3.0884e-01, 1.7343e-06, 2.6136e-02],  
[8.2703e-01, 1.5324e-04, 7.8969e-02],  
[3.3830e+01, 2.2285e-02, 1.4127e+00],  
[3.0129e+00, 4.4323e-03, 1.9497e-01],  
[6.3812e-01, 8.0249e-05, 6.0454e-02],  
[2.1126e+02, 4.4361e+00, 3.8686e+00],  
[2.1634e-01, 1.1777e-06, 2.1667e-02],  
[8.7379e+00, 8.6737e-03, 5.4070e-01],  
[3.5567e+01, 1.3807e-01, 1.0697e+00],  
[4.4229e+01, 4.0812e-01, 2.5494e+00],  
[4.5027e+00, 2.2291e-02, 4.6579e-01],  
[5.4307e-02, 8.2582e-07, 7.2312e-03],  
[2.2631e+01, 1.0119e-01, 1.3092e+00],  
[1.0229e+02, 2.7718e+00, 2.4130e+00],  
[1.3315e+01, 8.4040e-03, 9.1536e-01],  
[1.2708e+01, 6.0428e-02, 5.9676e-01],  
[3.8681e+01, 3.3925e-01, 1.2302e+00],  
[1.0135e+02, 2.3312e+00, 3.2626e+00],  
[9.1879e+01, 7.6242e-01, 2.4208e+00],  
[1.7526e-03, 9.5368e-10, 2.8362e-04],  
[3.9164e+00, 1.4791e-03, 2.1284e-01],  
[1.3307e-03, 3.6935e-10, 2.1457e-04],  
[4.5464e+00, 5.4375e-03, 2.8510e-01],  
[1.4001e-03, 6.6278e-10, 2.2512e-04],  
[7.8300e-01, 6.1646e-04, 8.9577e-02],

[5.0474e-01, 4.2187e-05, 4.1954e-02],  
 [3.3737e+01, 1.4024e-02, 8.0535e-01],  
 [2.3803e-01, 2.1676e-06, 2.4945e-02],  
 [3.9285e+00, 3.3612e-03, 4.4504e-01],  
 [3.2619e+00, 1.9491e-03, 1.6857e-01],  
 [1.3242e+00, 1.5380e-04, 1.1004e-01],  
 [1.9098e+01, 3.7447e-02, 8.2820e-01],  
 [3.8279e+00, 1.8530e-03, 4.5237e-01],  
 [3.2690e+00, 5.7996e-03, 3.4151e-01],  
 [2.6798e+00, 6.9034e-03, 2.7707e-01],  
 [1.7091e+00, 7.6209e-04, 1.9458e-01],  
 [4.0647e+01, 4.0784e-01, 1.6783e+00],  
 [1.2743e+00, 3.2044e-04, 1.2973e-01],  
 [1.8717e+00, 1.0530e-03, 1.5985e-01],  
 [6.3283e-01, 5.4469e-05, 7.1112e-02],  
 [4.8735e+01, 5.5280e-01, 1.8503e+00],  
 [4.0521e+00, 2.9305e-03, 3.7820e-01],  
 [3.1494e-01, 2.2215e-05, 2.8340e-02],  
 [8.5981e+00, 1.0242e-02, 3.8901e-01],  
 [8.3453e-01, 7.6580e-05, 6.2497e-02],  
 [5.5381e-01, 9.0132e-05, 5.9148e-02],  
 [3.2062e+01, 2.0419e-01, 2.0280e+00],  
 [1.0044e+01, 2.9397e-02, 5.7311e-01],  
 [1.2493e+02, 2.2284e+00, 3.3561e+00],  
 [8.0639e-01, 3.1413e-04, 6.7055e-02],  
 [6.3360e-02, 3.4270e-07, 9.2462e-03],  
 [1.9850e+01, 1.4173e-01, 1.6110e+00],  
 [7.2572e-02, 3.7769e-06, 9.2652e-03],  
 [7.3700e+00, 3.2675e-02, 7.8272e-01],  
 [3.4328e+00, 1.8502e-03, 1.9796e-01],  
 [4.6423e-02, 2.6806e-06, 6.1198e-03],  
 [1.2395e+00, 1.7849e-04, 9.3842e-02],  
 [2.3436e-01, 3.3105e-05, 2.7156e-02],  
 [1.1857e+02, 3.1913e+00, 2.6601e+00],  
 [1.5143e+01, 8.0137e-02, 7.9294e-01],  
 [1.0321e+01, 1.3849e-02, 5.8121e-01],  
 [2.4958e+00, 5.9588e-04, 2.5600e-01],  
 [3.3204e-01, 3.2383e-05, 3.1131e-02],  
 [1.6362e+00, 7.7758e-04, 1.8800e-01],  
 [3.1470e-01, 2.4875e-05, 2.6603e-02],  
 [1.6494e+02, 2.5178e+00, 3.1103e+00],  
 [6.4848e-02, 9.3220e-07, 9.1699e-03],  
 [3.4954e+00, 1.6702e-04, 1.7764e-01],  
 [6.4732e+00, 4.1726e-03, 3.9066e-01],  
 [2.2619e+00, 2.9252e-04, 2.2573e-01],  
 [1.4910e+02, 3.0647e+00, 3.3841e+00],  
 [3.5241e-01, 4.8566e-05, 3.0899e-02],  
 [3.9436e+01, 2.2242e-01, 2.4581e+00],

```

[7.6336e+01, 4.4340e-01, 1.8468e+00],
[1.5253e+00, 3.3610e-04, 1.3109e-01],
[1.7007e+02, 7.9512e-01, 4.6604e+00],
[1.1149e+01, 3.2121e-02, 6.7980e-01],
[1.4387e+02, 3.1876e+00, 3.1183e+00],
[3.8452e-01, 9.0575e-05, 3.7656e-02],
[3.7068e-01, 3.5419e-05, 3.8196e-02],
[4.5775e+00, 6.5923e-04, 2.3314e-01],
[8.6649e-01, 8.4298e-05, 8.0204e-02],
[1.4881e+01, 2.0873e-02, 1.2544e+00],
[2.3219e-01, 2.9066e-06, 2.9152e-02],
[3.2966e+01, 1.6949e-01, 9.6662e-01],
[6.4984e+01, 3.8095e-01, 3.1590e+00],
[1.6170e-01, 3.9356e-05, 2.3557e-02],
[5.7949e-03, 1.6276e-08, 8.8908e-04],
[7.7778e-01, 3.3815e-04, 8.3006e-02],
[1.1269e-04, 2.6626e-12, 1.8622e-05],
[3.3887e+00, 7.4298e-03, 3.0211e-01],
[3.0412e-02, 1.4839e-08, 4.2241e-03],
[1.8812e-01, 1.5279e-05, 2.1900e-02],
[1.9935e-02, 8.9496e-08, 3.0768e-03],
[1.3744e+02, 5.5244e+00, 4.6164e+00],
[2.3023e+01, 3.3672e-02, 1.3738e+00],
[4.5627e+01, 4.9287e-01, 1.6744e+00],
[1.0866e+02, 1.6081e-01, 1.7917e+00],
[4.6017e+00, 2.9885e-03, 2.1350e-01],
[3.0192e-02, 5.3361e-08, 4.3520e-03],
[8.5486e-01, 1.2161e-04, 8.6348e-02]], dtype=torch.float64)
Iteration: 186
Inputs: tensor([[6.6904e+19, 1.6076e+02, 8.7685e+00, 9.9114e+00],
[1.5075e+18, 4.0560e+02, 5.9479e+00, 3.3892e+00],
[1.6983e+19, 1.8149e+02, 3.4703e+00, 4.6946e+00],
...,
[2.9000e+18, 3.9896e+02, 1.1980e+01, 6.8993e+00],
[5.5791e+19, 2.0464e+02, 1.1303e+01, 9.4892e+00],
[3.3908e+19, 1.4342e+02, 1.2358e+01, 5.6430e+00]], dtype=torch.float64)
Target: tensor([[2.1903e+01, 1.5713e-01, 9.7005e-01],
[2.9030e-01, 6.8887e-06, 2.7762e-02],
[5.5713e+00, 2.1575e-03, 3.3901e-01],
[6.9332e+01, 4.5206e-01, 2.4039e+00],
[9.2965e+01, 2.3026e+00, 2.3482e+00],
[7.4536e+00, 1.2490e-02, 8.1768e-01],
[5.5534e+01, 2.1664e-01, 2.5558e+00],
[3.1577e-02, 1.0142e-07, 4.4543e-03],
[2.2815e-01, 3.1214e-05, 2.5404e-02],
[2.6578e+01, 3.8516e-02, 8.6805e-01],
[2.5774e+01, 1.1349e-01, 9.4464e-01],
[3.5381e+00, 6.2705e-04, 2.2638e-01],

```

[1.7971e-01, 5.2563e-05, 2.5925e-02],  
[2.2001e+02, 9.6248e+00, 4.3155e+00],  
[7.9400e+00, 2.0591e-03, 3.6021e-01],  
[6.4684e+00, 1.7656e-02, 7.3965e-01],  
[2.7507e+00, 4.0899e-04, 2.3782e-01],  
[2.3080e+01, 9.9791e-02, 8.3962e-01],  
[7.0724e-02, 8.2628e-06, 9.9379e-03],  
[3.2562e+01, 3.8670e-01, 1.5880e+00],  
[5.0993e+00, 2.9780e-02, 5.3750e-01],  
[4.3011e-04, 1.6609e-11, 7.0564e-05],  
[3.2385e-01, 3.3991e-05, 4.0513e-02],  
[4.2007e-01, 4.1245e-05, 4.9870e-02],  
[9.0610e+00, 4.6969e-02, 8.4927e-01],  
[1.6919e+01, 2.3358e-02, 6.2019e-01],  
[3.8526e+00, 1.0286e-03, 2.0440e-01],  
[2.1176e+00, 9.0695e-04, 2.0634e-01],  
[4.9414e-01, 1.2149e-04, 5.1947e-02],  
[5.8639e+01, 9.9170e-01, 2.4731e+00],  
[4.7312e+01, 1.1956e-01, 1.0129e+00],  
[1.2006e+01, 4.3576e-02, 8.6425e-01],  
[1.5015e+00, 2.5251e-04, 1.4281e-01],  
[2.2180e+01, 1.5013e-01, 1.8813e+00],  
[1.0698e+02, 9.0110e-01, 2.9059e+00],  
[4.6799e+00, 2.7989e-03, 4.4092e-01],  
[7.4442e+00, 1.6224e-03, 2.9352e-01],  
[1.4856e+00, 2.0064e-03, 1.7512e-01],  
[6.6363e+00, 2.1586e-03, 3.2073e-01],  
[1.4846e+01, 2.6470e-02, 6.4970e-01],  
[6.2597e+00, 9.2137e-03, 4.7118e-01],  
[1.6896e+02, 3.8831e+00, 4.0031e+00],  
[2.6296e+01, 6.1915e-02, 1.2171e+00],  
[1.4887e-01, 8.2475e-06, 1.5607e-02],  
[7.3242e+00, 3.9312e-04, 3.5771e-01],  
[2.1688e+00, 4.8252e-04, 1.0513e-01],  
[1.6342e+01, 1.4502e-02, 1.3313e+00],  
[1.4406e+00, 7.6788e-04, 1.7090e-01],  
[7.0067e+01, 4.9307e-01, 2.2555e+00],  
[1.1752e+00, 5.0125e-05, 1.2207e-01],  
[5.0728e-02, 4.3881e-07, 6.9833e-03],  
[4.5604e-01, 6.3305e-05, 4.4475e-02],  
[4.8085e+01, 2.7052e-01, 3.1542e+00],  
[2.5002e+00, 1.8946e-03, 1.9797e-01],  
[1.0834e-01, 8.9609e-06, 1.2470e-02],  
[1.9477e+00, 5.1930e-04, 2.0232e-01],  
[3.4950e+00, 3.5700e-03, 2.7944e-01],  
[9.0825e+00, 5.1423e-03, 3.3994e-01],  
[6.7179e-01, 8.3533e-05, 6.8901e-02],  
[1.0487e+00, 4.7470e-04, 1.1586e-01],



[3.6006e+00, 3.7244e-03, 2.3293e-01],  
[4.0813e-01, 1.0904e-05, 4.8613e-02],  
[1.5552e+00, 3.7461e-04, 8.8208e-02],  
[5.8369e+01, 2.6266e-01, 2.7806e+00],  
[8.9763e-01, 2.5702e-04, 1.0436e-01],  
[1.0118e+00, 1.5607e-04, 7.9803e-02],  
[2.0476e+01, 4.6466e-02, 7.9711e-01],  
[8.3143e+00, 2.0250e-02, 4.1503e-01],  
[3.1012e+01, 2.9005e-02, 1.5940e+00],  
[1.3754e+01, 1.2025e-01, 1.1743e+00],  
[4.4352e+00, 2.8999e-03, 5.4074e-01],  
[6.8077e+01, 3.5848e-01, 2.9164e+00],  
[1.2320e+02, 3.6618e+00, 4.4378e+00],  
[2.2363e-01, 1.2999e-05, 3.1591e-02],  
[1.3399e+02, 3.6570e+00, 3.3876e+00],  
[7.1503e+00, 8.5423e-03, 3.5865e-01],  
[2.6991e-01, 2.0674e-05, 2.6797e-02],  
[4.0851e+01, 3.9394e-01, 1.7826e+00],  
[2.2067e+00, 3.6330e-04, 1.4712e-01],  
[9.0683e+01, 2.0585e+00, 2.4215e+00],  
[3.3404e+00, 9.8033e-04, 4.2958e-01],  
[2.4550e-02, 3.2564e-07, 3.6854e-03],  
[1.4299e-01, 4.6706e-06, 1.7470e-02],  
[4.9166e+00, 3.3441e-03, 4.8456e-01],  
[3.3502e+01, 2.1191e-01, 2.2303e+00],  
[1.4657e+02, 4.4833e-01, 4.6703e+00],  
[2.4865e+02, 7.0543e+00, 4.3474e+00],  
[9.5614e-02, 4.8436e-06, 1.2737e-02],  
[3.2809e+01, 1.7612e-01, 9.2470e-01],  
[6.9419e+01, 1.8693e+00, 3.6891e+00],  
[1.6476e+00, 1.4380e-03, 1.4993e-01],  
[1.6197e+01, 1.7736e-02, 1.1689e+00],  
[3.0795e+01, 6.4491e-02, 1.3110e+00],  
[2.5570e+01, 8.1976e-02, 1.2305e+00],  
[1.3467e+01, 3.2550e-02, 8.2491e-01],  
[3.6911e+00, 2.7575e-03, 3.5033e-01],  
[2.1345e-02, 4.4666e-08, 3.1281e-03],  
[4.1094e+01, 2.1778e-01, 1.4737e+00],  
[2.5332e-01, 8.4658e-05, 3.3903e-02],  
[1.4418e+01, 1.1317e-02, 8.1700e-01],  
[1.1687e+01, 1.8902e-02, 7.3111e-01],  
[1.6290e+01, 2.6726e-02, 1.0039e+00],  
[2.3003e+00, 1.8654e-03, 1.4734e-01],  
[2.6822e-01, 8.6512e-06, 3.7176e-02],  
[6.9406e+00, 2.6356e-03, 3.1536e-01],  
[8.0025e+00, 2.5597e-02, 5.2011e-01],  
[1.1574e-03, 1.0540e-09, 1.8773e-04],  
[8.5784e-02, 2.3288e-06, 1.2344e-02],

[1.1925e+02, 1.7989e+00, 2.9753e+00],  
 [2.6986e+02, 5.2438e+00, 4.1117e+00],  
 [3.1912e+02, 4.8320e+00, 4.9391e+00],  
 [1.6440e+01, 1.0562e-01, 8.6110e-01],  
 [4.7363e+00, 7.9720e-03, 3.3021e-01],  
 [2.2769e+01, 1.5123e-01, 1.6998e+00],  
 [4.5442e+01, 2.5312e-01, 1.9512e+00],  
 [1.7865e+00, 2.5206e-03, 1.8478e-01],  
 [5.5415e+00, 4.7174e-03, 3.4156e-01],  
 [1.9938e+01, 1.4583e-01, 8.8086e-01],  
 [5.7984e+01, 4.3613e-01, 1.5424e+00],  
 [4.0126e+00, 8.8767e-03, 2.8418e-01],  
 [4.5862e+00, 1.2367e-03, 2.5510e-01],  
 [7.1182e+01, 2.7720e-01, 3.2519e+00],  
 [3.9552e+01, 1.7410e-01, 9.5815e-01],  
 [1.4322e-01, 4.7167e-06, 2.1317e-02],  
 [2.4267e+01, 1.9175e-02, 6.5097e-01],  
 [2.7292e-02, 7.5540e-07, 3.7666e-03],  
 [8.7732e-02, 9.6780e-07, 1.3158e-02],  
 [6.1290e+00, 4.6741e-03, 3.4062e-01],  
 [1.1746e-01, 6.7313e-06, 1.6725e-02],  
 [2.7644e-01, 6.3670e-06, 3.3260e-02],  
 [3.5052e-02, 2.2083e-07, 5.3302e-03],  
 [7.9028e+01, 4.9057e-01, 3.0855e+00],  
 [4.1344e+00, 1.6010e-03, 3.4709e-01],  
 [1.6759e+02, 1.6908e+00, 3.9825e+00],  
 [1.3444e-01, 5.0713e-07, 1.6408e-02],  
 [4.4409e+01, 4.4760e-01, 2.4208e+00],  
 [1.1291e-01, 1.0960e-06, 1.4626e-02],  
 [6.3566e+00, 3.5530e-03, 4.3452e-01],  
 [2.2592e-02, 2.5102e-07, 3.4759e-03],  
 [3.5641e-01, 6.0741e-05, 3.4608e-02],  
 [8.7174e+01, 8.5024e-01, 2.2443e+00],  
 [4.2962e-01, 7.5106e-05, 4.8747e-02],  
 [6.9773e-02, 3.2235e-06, 8.6872e-03],  
 [6.8803e+00, 1.2954e-02, 5.9852e-01],  
 [8.1253e+00, 1.4836e-02, 3.7057e-01],  
 [3.4146e+01, 3.9254e-01, 1.6331e+00],  
 [1.1628e-02, 7.1415e-08, 1.7321e-03],  
 [4.9553e+00, 2.4425e-03, 3.4337e-01],  
 [2.5641e+01, 8.5307e-02, 1.0300e+00],  
 [4.7151e+01, 2.8813e-01, 1.8158e+00],  
 [4.6519e-02, 4.3720e-07, 7.0686e-03],  
 [9.7439e-01, 1.3415e-04, 1.0315e-01],  
 [4.7540e+00, 8.9408e-03, 5.0991e-01],  
 [3.2115e-03, 6.6141e-09, 5.0687e-04],  
 [6.9348e+01, 4.0876e-01, 3.3702e+00],  
 [1.9340e-02, 7.6689e-08, 2.8116e-03],

[1.2484e+00, 1.2282e-04, 1.3995e-01],  
 [2.3758e-01, 2.4894e-05, 2.8466e-02],  
 [9.6737e+01, 1.4859e+00, 1.8427e+00],  
 [2.1814e+00, 8.3087e-04, 1.2887e-01],  
 [1.2509e+01, 2.4210e-02, 4.2880e-01],  
 [8.9853e+00, 5.3140e-02, 9.3686e-01],  
 [4.7874e-02, 5.7544e-07, 6.4682e-03],  
 [1.4069e+02, 4.7095e+00, 4.1065e+00],  
 [4.0539e+01, 6.9970e-01, 1.5473e+00],  
 [4.0753e-02, 1.8309e-07, 5.7978e-03],  
 [6.4628e-01, 4.4966e-06, 6.9271e-02],  
 [2.2417e+01, 2.2359e-01, 9.8883e-01],  
 [4.3240e+01, 1.5181e-01, 1.2017e+00],  
 [1.9554e+00, 4.8008e-04, 1.1699e-01],  
 [4.9898e+01, 1.7281e-01, 2.5822e+00],  
 [1.9004e+00, 1.4683e-03, 1.4599e-01],  
 [5.4799e-01, 4.9858e-05, 3.9278e-02],  
 [1.3906e+00, 2.6701e-04, 8.3803e-02],  
 [2.4711e-01, 1.9316e-05, 3.2647e-02],  
 [3.7780e+01, 2.3442e-01, 9.7291e-01],  
 [1.4103e+02, 3.2736e+00, 2.9937e+00],  
 [6.3573e+00, 1.2203e-03, 5.5217e-01],  
 [1.5379e+00, 3.8784e-04, 9.4023e-02],  
 [4.2436e-01, 1.6474e-04, 5.5377e-02],  
 [4.9671e+01, 6.8577e-01, 2.8983e+00],  
 [1.8582e+02, 7.6523e+00, 3.9913e+00],  
 [7.9732e-01, 2.1509e-04, 8.1198e-02],  
 [1.4677e+01, 3.3724e-02, 1.3316e+00],  
 [5.7935e-01, 2.2739e-04, 7.2335e-02],  
 [7.3349e-01, 8.6975e-05, 5.5544e-02],  
 [1.3412e+01, 1.1454e-02, 1.1742e+00],  
 [3.9316e+01, 3.3939e-01, 1.5237e+00],  
 [1.5456e+01, 5.6357e-02, 5.5754e-01],  
 [2.5429e+00, 3.5541e-04, 1.4187e-01],  
 [3.2376e-02, 1.1740e-06, 4.7247e-03],  
 [1.6347e+01, 1.4837e-02, 9.2623e-01],  
 [1.8916e+00, 1.4448e-03, 1.2880e-01],  
 [1.8295e+02, 2.1987e+00, 4.5333e+00],  
 [1.2628e+00, 4.6079e-04, 8.7251e-02],  
 [3.0943e+01, 4.2179e-01, 2.0482e+00],  
 [4.5038e+00, 1.8964e-03, 3.5139e-01],  
 [9.9596e-03, 1.3496e-07, 1.5257e-03],  
 [8.5888e-02, 2.2096e-06, 1.0732e-02],  
 [5.6737e+01, 7.2872e-01, 2.9290e+00],  
 [1.9174e+01, 5.7817e-02, 9.2315e-01],  
 [1.4386e+00, 1.2297e-04, 1.1936e-01],  
 [3.2720e+01, 1.3577e-01, 2.1575e+00],  
 [1.4123e+01, 5.4420e-02, 9.5991e-01],

[2.8970e+00, 8.8757e-04, 1.5631e-01],  
[7.6482e+00, 3.9631e-03, 3.8309e-01],  
[5.8412e-01, 3.2909e-05, 4.6484e-02],  
[1.1196e-02, 5.8303e-08, 1.7068e-03],  
[3.9565e+01, 1.5363e-01, 1.2142e+00],  
[4.2229e-01, 1.9827e-04, 4.8820e-02],  
[1.0316e+01, 4.4586e-02, 5.6005e-01],  
[3.1681e+01, 1.4538e-01, 2.0970e+00],  
[2.2118e+01, 3.3534e-02, 1.5095e+00],  
[1.7818e-01, 3.3791e-06, 2.3020e-02],  
[3.7945e+00, 6.0550e-03, 2.6341e-01],  
[6.8841e-01, 9.2013e-05, 6.2594e-02],  
[2.4301e-01, 4.2100e-05, 2.3546e-02],  
[1.2408e+00, 3.5533e-05, 7.7503e-02],  
[5.2322e+01, 1.6794e-01, 1.7218e+00],  
[4.7319e-03, 3.2554e-09, 7.6295e-04],  
[3.6008e+00, 2.8379e-03, 1.9531e-01],  
[2.0342e-01, 3.1201e-05, 2.9189e-02],  
[4.3582e+01, 5.1407e-02, 1.2062e+00],  
[5.0702e+00, 2.0395e-03, 2.8869e-01],  
[4.6112e+00, 4.2401e-03, 2.0868e-01],  
[1.3257e+01, 7.2318e-04, 4.8342e-01],  
[3.5831e+01, 2.2345e-01, 1.2013e+00],  
[1.2851e+01, 8.6016e-03, 7.7834e-01],  
[9.5171e-01, 3.1699e-04, 8.9034e-02],  
[4.8038e-01, 2.3904e-05, 3.7954e-02],  
[9.0440e+01, 3.0296e-01, 2.5894e+00],  
[3.1666e-01, 3.1254e-05, 3.9648e-02],  
[1.5030e+01, 6.3372e-02, 6.0858e-01],  
[7.5741e-02, 1.4974e-06, 9.3129e-03],  
[4.8744e-01, 1.1130e-05, 4.2118e-02],  
[4.1443e+00, 7.4742e-03, 2.8755e-01],  
[2.2678e+01, 1.7265e-01, 9.7264e-01],  
[6.5658e-01, 7.0563e-05, 7.1818e-02],  
[2.4264e+01, 1.4351e-01, 8.7695e-01],  
[1.5063e-01, 7.5212e-06, 2.0545e-02],  
[2.2338e+01, 5.6808e-02, 7.0984e-01],  
[1.2269e-01, 4.5993e-07, 1.5003e-02],  
[2.6275e+01, 9.0200e-02, 1.4778e+00],  
[5.7180e+00, 1.2061e-02, 6.1661e-01],  
[2.6625e-02, 3.9079e-07, 3.8301e-03],  
[3.6330e+00, 4.4574e-03, 2.7271e-01],  
[8.8478e+01, 1.3170e+00, 2.9509e+00],  
[5.0351e+00, 3.5452e-03, 5.6548e-01],  
[6.9455e+00, 1.0296e-03, 2.6248e-01],  
[1.6437e+01, 6.4590e-02, 1.4069e+00],  
[2.6932e-01, 3.2863e-05, 3.3692e-02],  
[5.0639e+00, 1.9117e-02, 6.0884e-01],

[2.6667e+01, 2.0692e-01, 1.0247e+00],  
[2.2639e-01, 1.7395e-05, 2.1152e-02],  
[2.2370e+01, 3.8057e-02, 7.0529e-01],  
[3.4770e+00, 2.2271e-03, 2.5289e-01],  
[8.7505e-02, 1.6371e-06, 1.1297e-02],  
[6.2434e-01, 2.2110e-04, 6.2032e-02],  
[1.6166e+01, 6.7823e-02, 8.0922e-01],  
[6.8358e-03, 5.4116e-09, 1.0809e-03],  
[1.7027e+01, 8.4929e-02, 6.3633e-01],  
[1.6392e+01, 1.4160e-03, 5.6864e-01],  
[6.3248e+00, 2.1954e-03, 2.2881e-01],  
[2.0245e+01, 5.8797e-02, 8.4716e-01],  
[4.3026e+00, 2.6919e-03, 3.4733e-01],  
[6.8478e+01, 4.8843e-01, 1.7554e+00],  
[4.6187e+00, 5.7509e-04, 2.2103e-01],  
[1.3224e-01, 5.5579e-06, 1.7784e-02],  
[7.5741e-01, 2.1612e-04, 1.0125e-01],  
[1.0311e+00, 1.6616e-04, 7.1300e-02],  
[3.8141e+00, 4.1090e-03, 3.1414e-01],  
[2.1242e+02, 3.0631e+00, 4.9768e+00],  
[6.2506e-02, 3.5933e-06, 7.8160e-03],  
[2.7171e-02, 2.6779e-07, 4.0072e-03],  
[1.1357e+02, 1.0289e+00, 3.1145e+00],  
[9.3731e+00, 1.4948e-02, 3.6543e-01],  
[1.9247e+01, 1.7816e-02, 1.5475e+00],  
[6.4384e-02, 9.1452e-07, 9.0362e-03],  
[3.9957e+01, 1.6833e-01, 1.1149e+00],  
[3.1310e+01, 7.6775e-02, 2.0875e+00],  
[8.5922e+00, 3.0904e-02, 7.9517e-01],  
[7.0227e-01, 1.0531e-04, 4.9357e-02],  
[1.6249e+02, 2.1994e+00, 4.1255e+00],  
[2.2687e-02, 9.0776e-08, 3.2989e-03],  
[1.6427e+01, 2.4055e-02, 1.1063e+00],  
[1.0248e+02, 1.0262e+00, 2.9297e+00],  
[2.2714e-03, 7.0951e-09, 3.6317e-04],  
[1.1948e-01, 5.7810e-06, 1.3738e-02],  
[3.2219e+00, 2.4146e-03, 2.2634e-01],  
[5.8717e-01, 1.1563e-04, 6.7911e-02],  
[2.6369e-03, 2.2312e-09, 4.1797e-04],  
[2.5026e+00, 9.9048e-04, 2.4753e-01],  
[1.5791e+01, 1.8561e-02, 7.6864e-01],  
[2.3335e+02, 1.2974e+01, 4.9773e+00],  
[5.0262e+01, 5.5308e-01, 2.2568e+00],  
[8.0512e-01, 4.2064e-04, 7.4493e-02],  
[2.8937e+01, 2.4030e-02, 2.1532e+00],  
[6.9500e-03, 3.8827e-08, 1.0821e-03],  
[7.9218e-02, 4.9914e-06, 1.0148e-02],  
[2.0851e-01, 3.0372e-06, 2.7213e-02],

```

[4.5905e+00, 3.3050e-03, 2.4291e-01],
[4.8860e+01, 3.6044e-01, 1.8620e+00],
[1.1137e+01, 7.2625e-03, 7.7265e-01],
[8.4163e+01, 5.5857e-01, 2.7901e+00],
[2.9520e+00, 3.4314e-03, 2.2156e-01],
[2.0496e-01, 1.1421e-05, 2.3862e-02],
[6.3488e+00, 1.9697e-02, 3.6629e-01],
[5.3369e+01, 3.1266e-01, 1.5755e+00],
[1.2394e+00, 8.3730e-04, 1.4778e-01],
[1.7364e+01, 3.3890e-02, 8.3402e-01],
[6.5726e-01, 1.9984e-05, 6.9934e-02],
[5.2259e+00, 8.1809e-04, 2.6010e-01],
[4.9391e+00, 2.0439e-03, 2.5514e-01],
[5.1956e+00, 4.1353e-03, 2.9761e-01],
[3.5213e-01, 1.6991e-05, 3.2155e-02],
[1.5059e+01, 2.1360e-02, 6.2557e-01],
[3.6365e+01, 2.8928e-01, 1.3419e+00],
[7.6700e-01, 1.6111e-04, 6.3636e-02],
[2.0581e+01, 1.4461e-01, 8.8317e-01],
[5.0199e+00, 7.3390e-03, 3.9708e-01]], dtype=torch.float64)
Iteration: 187
Inputs: tensor([[6.7511e+18, 1.2138e+02, 1.6378e+01, 9.8027e+00],
[9.6238e+19, 4.0480e+02, 9.1080e+00, 2.3718e+00],
[5.9759e+18, 2.3142e+02, 1.0976e+01, 5.3188e+00],
...,
[6.3561e+20, 2.9721e+02, 1.2623e+01, 7.2895e+00],
[1.7262e+20, 3.0921e+02, 9.4237e+00, 7.1550e+00],
[1.5867e+20, 4.8750e+02, 4.4834e+00, 7.1635e+00]], dtype=torch.float64)
Target: tensor([[4.4191e-01, 1.9992e-04, 5.1503e-02],
[2.9041e+01, 3.7070e-02, 1.2238e+00],
[8.5602e-01, 1.7927e-04, 8.3118e-02],
[1.3238e-01, 4.9508e-06, 1.6680e-02],
[3.5001e+00, 1.1473e-03, 3.7119e-01],
[1.4327e+00, 3.6718e-04, 1.0162e-01],
[2.6858e+00, 1.0993e-03, 1.8691e-01],
[8.6990e-01, 9.7144e-05, 9.9351e-02],
[1.3381e+01, 1.8730e-02, 5.9599e-01],
[4.2770e+00, 8.0405e-03, 3.1120e-01],
[2.9459e+01, 3.8305e-02, 1.5282e+00],
[2.0849e+01, 7.6780e-02, 7.9767e-01],
[8.2026e+01, 1.7841e+00, 2.5940e+00],
[3.1923e-01, 1.1055e-04, 3.9451e-02],
[1.4926e+00, 7.6429e-04, 1.7782e-01],
[3.8377e+01, 5.1332e-01, 1.1959e+00],
[2.9595e+00, 3.3259e-04, 2.1962e-01],
[5.6804e+00, 7.9930e-04, 2.7120e-01],
[5.9423e+01, 1.8420e-01, 3.4791e+00],
[8.4237e-02, 7.7725e-06, 1.0944e-02],

```

[1.3089e+01, 8.9358e-03, 7.5327e-01],  
 [2.3886e-01, 2.0193e-06, 2.7338e-02],  
 [1.5119e-02, 2.2055e-07, 2.2467e-03],  
 [1.5436e+02, 1.4344e+00, 3.9310e+00],  
 [1.1582e+00, 1.9019e-04, 1.2986e-01],  
 [4.6763e+00, 5.4278e-03, 2.9965e-01],  
 [1.0171e-01, 1.6688e-06, 1.4376e-02],  
 [4.1272e-02, 1.2097e-06, 5.8699e-03],  
 [6.3942e-01, 2.2945e-04, 7.2424e-02],  
 [1.3510e+02, 9.5253e-01, 2.2248e+00],  
 [1.3714e+02, 1.4436e+00, 3.6673e+00],  
 [1.0901e+00, 2.7282e-04, 7.4495e-02],  
 [1.2933e+01, 1.4476e-02, 9.1692e-01],  
 [2.7218e+00, 3.7441e-04, 1.5750e-01],  
 [2.7660e+01, 4.8872e-02, 1.9683e+00],  
 [4.5102e+00, 9.1602e-03, 3.4513e-01],  
 [3.6126e+01, 1.2677e-01, 1.6424e+00],  
 [2.2447e+02, 3.6847e+00, 4.1117e+00],  
 [1.4608e+01, 4.2060e-02, 6.9284e-01],  
 [2.3167e+01, 8.3067e-02, 7.9377e-01],  
 [9.5540e-01, 4.0929e-04, 9.0256e-02],  
 [6.4779e-02, 1.7969e-06, 8.2323e-03],  
 [4.5530e+00, 1.8218e-03, 3.4722e-01],  
 [2.4847e+02, 9.0923e+00, 4.9373e+00],  
 [9.0811e+01, 1.7094e+00, 2.3122e+00],  
 [3.5374e+01, 2.7417e-01, 9.9506e-01],  
 [9.9584e+00, 7.4380e-03, 9.6560e-01],  
 [2.9590e+01, 2.1841e-01, 1.2889e+00],  
 [2.7824e+01, 5.7750e-02, 1.7634e+00],  
 [6.7542e+00, 1.2668e-02, 5.1896e-01],  
 [1.1783e-02, 5.7513e-08, 1.8275e-03],  
 [8.4725e+00, 2.0805e-02, 6.6787e-01],  
 [8.9837e+01, 3.7627e-01, 2.4302e+00],  
 [1.2635e+00, 4.2315e-04, 1.0520e-01],  
 [7.8187e-01, 1.2220e-04, 6.2623e-02],  
 [3.8817e-02, 1.3855e-06, 5.6077e-03],  
 [4.2882e+01, 1.1938e-01, 2.6058e+00],  
 [1.3880e+00, 1.3297e-03, 1.2966e-01],  
 [1.2318e+01, 1.4629e-02, 3.6809e-01],  
 [3.6961e+01, 1.3100e-01, 1.0563e+00],  
 [1.3297e+01, 4.6055e-02, 5.9481e-01],  
 [2.4292e+01, 2.0742e-01, 1.2564e+00],  
 [1.1018e-02, 1.4488e-07, 1.7435e-03],  
 [1.0833e+02, 1.3272e+00, 2.6155e+00],  
 [7.2183e-01, 8.5536e-05, 6.8926e-02],  
 [3.9518e+00, 6.2078e-03, 3.9204e-01],  
 [4.8817e+00, 8.1739e-03, 2.5715e-01],  
 [3.5259e+01, 6.3913e-02, 1.6160e+00],

[7.4648e+01, 5.7360e-01, 2.9508e+00],  
 [9.5426e-01, 1.5477e-04, 8.9869e-02],  
 [1.0862e-02, 3.1966e-08, 1.6796e-03],  
 [5.7569e+00, 1.4398e-03, 4.5783e-01],  
 [1.4630e+02, 1.9642e+00, 3.1496e+00],  
 [9.9276e+01, 1.0822e+00, 3.3180e+00],  
 [3.7168e-01, 5.3281e-05, 3.7530e-02],  
 [1.4812e+02, 1.8248e+00, 3.6762e+00],  
 [3.8846e+01, 5.9621e-02, 1.6538e+00],  
 [1.6377e-01, 5.9555e-06, 2.4355e-02],  
 [9.6616e-01, 3.2182e-04, 8.5013e-02],  
 [7.4222e+00, 1.0863e-02, 3.9606e-01],  
 [4.9790e+00, 2.4965e-03, 3.0348e-01],  
 [1.1957e+00, 6.7776e-04, 8.9541e-02],  
 [1.0127e+02, 2.3126e+00, 3.2744e+00],  
 [5.0223e-01, 5.5588e-05, 5.4732e-02],  
 [1.3524e+00, 2.4880e-04, 1.1456e-01],  
 [6.2904e+00, 8.7727e-03, 2.8312e-01],  
 [4.9171e+01, 4.3520e-01, 1.6666e+00],  
 [4.2412e+01, 3.0833e-01, 2.3932e+00],  
 [1.1133e+02, 6.7734e-01, 3.3697e+00],  
 [4.1029e+00, 2.6819e-03, 3.7832e-01],  
 [4.3560e-01, 1.3118e-05, 6.2306e-02],  
 [2.4835e+02, 1.7987e+00, 3.6626e+00],  
 [8.4624e+00, 6.5227e-03, 2.8836e-01],  
 [3.6210e+01, 3.9118e-02, 9.5324e-01],  
 [7.5095e+00, 1.1257e-02, 6.0509e-01],  
 [1.2735e+02, 1.8890e+00, 2.2193e+00],  
 [1.9786e+01, 3.1205e-01, 1.6991e+00],  
 [4.7115e-01, 1.2449e-04, 5.1794e-02],  
 [7.3661e-02, 3.2566e-06, 9.0210e-03],  
 [9.5979e+00, 1.6159e-02, 5.7458e-01],  
 [2.5197e-01, 1.6457e-05, 2.9630e-02],  
 [6.5336e+01, 1.7352e-02, 1.8870e+00],  
 [1.7481e+01, 1.8151e-02, 9.3596e-01],  
 [2.4551e-01, 5.2801e-05, 3.1035e-02],  
 [4.7869e-02, 4.4267e-07, 6.2252e-03],  
 [7.5019e+01, 9.5021e-01, 1.4824e+00],  
 [2.4484e+02, 1.1293e+00, 3.6128e+00],  
 [8.9269e+01, 1.6137e+00, 2.4046e+00],  
 [1.5114e+02, 4.3621e+00, 3.0902e+00],  
 [3.3875e-01, 1.9704e-05, 3.4389e-02],  
 [1.1146e+00, 3.4832e-04, 1.1757e-01],  
 [4.0547e-02, 1.2640e-06, 5.9750e-03],  
 [1.2027e+02, 1.7859e+00, 4.3400e+00],  
 [1.2430e+00, 2.4670e-04, 1.0497e-01],  
 [3.2431e+01, 1.9767e-01, 1.3102e+00],  
 [2.8076e+01, 1.2038e-01, 9.0829e-01],



[5.7112e-01, 4.5888e-05, 4.7222e-02],  
 [8.6828e+01, 1.5909e+00, 2.6183e+00],  
 [3.4969e+00, 8.3024e-04, 2.5019e-01],  
 [2.3032e+00, 1.6147e-03, 1.6352e-01],  
 [7.4092e+01, 1.5304e+00, 2.0343e+00],  
 [2.8228e+01, 1.8073e-01, 8.7441e-01],  
 [2.8846e-02, 6.4400e-07, 4.2668e-03],  
 [4.7881e-01, 3.3121e-05, 5.2904e-02],  
 [2.8133e+00, 6.9692e-03, 2.7985e-01],  
 [5.8396e+01, 4.3802e-01, 1.1506e+00],  
 [2.4470e+01, 1.7269e-01, 9.2126e-01],  
 [6.7559e-01, 2.8389e-04, 7.4135e-02],  
 [1.0931e-01, 3.5941e-06, 1.2553e-02],  
 [1.9635e+01, 3.2126e-02, 7.0760e-01],  
 [5.3113e+00, 2.1937e-02, 4.0752e-01],  
 [1.5988e+00, 2.0290e-04, 8.6098e-02],  
 [5.2896e+01, 6.3191e-01, 1.7349e+00],  
 [1.9262e+02, 6.7020e+00, 3.7301e+00],  
 [1.8979e+01, 2.3027e-01, 1.6680e+00],  
 [1.2950e+02, 5.0732e+00, 3.2448e+00],  
 [1.2877e+02, 1.4026e+00, 2.5997e+00],  
 [1.9119e+02, 6.0362e-01, 3.0105e+00],  
 [5.0815e+01, 1.4326e-01, 2.8418e+00],  
 [1.5571e+00, 1.6003e-03, 1.3192e-01],  
 [6.1333e-03, 5.9267e-09, 9.4219e-04],  
 [1.3493e+02, 1.2665e+00, 3.8113e+00],  
 [8.5325e+00, 1.2298e-02, 3.5309e-01],  
 [2.1304e+00, 2.2571e-04, 1.1010e-01],  
 [5.1646e+01, 6.7281e-01, 1.4994e+00],  
 [1.0520e+02, 1.6465e+00, 2.1558e+00],  
 [1.2454e+01, 2.1578e-03, 6.4002e-01],  
 [5.1814e+01, 1.8681e-02, 1.5467e+00],  
 [9.9280e+01, 2.5051e-01, 3.5126e+00],  
 [2.3764e+01, 1.0449e-01, 1.4191e+00],  
 [2.2680e+02, 6.6576e-01, 4.8745e+00],  
 [4.3681e+00, 5.0223e-03, 2.2948e-01],  
 [6.4055e-01, 2.3104e-05, 3.9935e-02],  
 [9.6000e+00, 1.8630e-02, 4.4218e-01],  
 [3.5964e+00, 2.7817e-03, 2.8652e-01],  
 [1.0977e+02, 5.4092e-01, 3.0063e+00],  
 [2.1355e+01, 1.4162e-01, 1.0263e+00],  
 [4.4624e+00, 4.0432e-03, 3.1683e-01],  
 [8.5751e+01, 1.0899e+00, 1.9974e+00],  
 [4.0225e-02, 3.0179e-07, 5.6862e-03],  
 [1.5828e+01, 4.1494e-02, 6.5345e-01],  
 [1.5253e+01, 2.6712e-02, 9.9557e-01],  
 [3.0253e+01, 1.3747e-01, 9.9246e-01],  
 [8.1804e+00, 8.2476e-03, 4.6662e-01],

[4.4368e+00, 6.4180e-03, 4.4690e-01],  
[1.3809e-03, 9.6770e-10, 2.2310e-04],  
[1.5292e+00, 1.1714e-03, 1.2468e-01],  
[2.6881e+00, 2.1217e-03, 1.9698e-01],  
[4.1947e-01, 6.1761e-05, 4.3965e-02],  
[6.8136e-04, 3.5806e-10, 1.1091e-04],  
[7.2123e+01, 2.7310e-01, 2.4041e+00],  
[2.4105e+01, 1.5609e-01, 1.8699e+00],  
[3.2828e+00, 1.5994e-04, 2.8630e-01],  
[3.8434e+00, 7.5747e-03, 3.8326e-01],  
[8.9331e-03, 1.6709e-08, 1.4045e-03],  
[6.2675e+00, 4.6115e-03, 3.6130e-01],  
[6.4793e-02, 1.2618e-06, 8.8831e-03],  
[1.1749e+02, 1.2404e+00, 3.6653e+00],  
[9.8641e+01, 1.3127e+00, 2.8763e+00],  
[9.6853e+01, 6.3772e-01, 4.2062e+00],  
[4.2416e-01, 1.5270e-04, 4.8254e-02],  
[5.2618e-01, 1.6713e-04, 4.7917e-02],  
[2.9789e-01, 4.9143e-05, 3.4256e-02],  
[2.3984e-03, 1.0769e-09, 3.8791e-04],  
[4.4305e+01, 3.0939e-01, 2.6676e+00],  
[1.2239e+00, 1.6982e-03, 1.4562e-01],  
[4.0228e+01, 4.5263e-02, 1.1636e+00],  
[3.4891e+00, 8.9549e-04, 4.1679e-01],  
[2.5127e+00, 3.5138e-04, 1.4940e-01],  
[2.1496e+02, 6.0427e+00, 4.5094e+00],  
[1.6925e+02, 2.3314e+00, 3.4709e+00],  
[1.0892e+01, 1.7934e-02, 6.6451e-01],  
[2.8568e-01, 1.4662e-05, 3.1406e-02],  
[1.8745e+02, 2.1099e+00, 4.9403e+00],  
[4.2013e-01, 5.7959e-06, 4.3387e-02],  
[8.9343e+00, 2.4953e-02, 7.1332e-01],  
[1.5533e-01, 1.2296e-06, 1.6956e-02],  
[3.0509e-01, 9.1353e-06, 4.1566e-02],  
[4.6492e+00, 4.1302e-03, 3.8619e-01],  
[5.2315e+00, 1.2201e-03, 3.3098e-01],  
[8.1747e+01, 2.4270e+00, 3.1723e+00],  
[1.2929e+02, 3.9944e+00, 2.9988e+00],  
[2.1497e+02, 1.2807e+01, 4.5669e+00],  
[8.6635e+01, 1.2699e+00, 3.2486e+00],  
[9.0492e-01, 7.4241e-05, 6.9629e-02],  
[3.5276e-01, 1.7976e-05, 4.5342e-02],  
[4.5816e-01, 8.8843e-05, 4.8593e-02],  
[1.1752e+00, 2.6307e-04, 9.3104e-02],  
[2.0285e-02, 2.0041e-07, 2.9188e-03],  
[1.2109e+02, 1.5736e+00, 2.6503e+00],  
[3.6495e+00, 1.9994e-03, 2.0053e-01],  
[1.3979e-03, 4.0295e-10, 2.2496e-04],

[1.4559e-01, 3.5269e-06, 1.7992e-02],  
[2.0044e+01, 6.3358e-02, 6.5564e-01],  
[6.9126e+01, 6.7843e-01, 2.3880e+00],  
[1.3544e+01, 2.9959e-02, 5.8813e-01],  
[1.3539e+00, 2.2711e-04, 1.0196e-01],  
[9.4767e-03, 1.2489e-07, 1.4444e-03],  
[1.3055e-01, 8.5470e-06, 1.6867e-02],  
[3.4322e-01, 5.7119e-05, 3.3340e-02],  
[2.5561e+00, 3.0307e-03, 1.8455e-01],  
[9.9212e+00, 3.2320e-02, 4.9991e-01],  
[1.6617e+00, 2.4258e-04, 8.6382e-02],  
[1.0960e+02, 6.4670e-01, 4.0544e+00],  
[2.8901e+00, 1.0775e-03, 2.0584e-01],  
[5.8940e-01, 1.2473e-04, 6.6956e-02],  
[3.2526e+01, 4.9716e-01, 1.4682e+00],  
[3.4211e-01, 7.6951e-05, 3.6943e-02],  
[4.9127e-01, 1.2982e-05, 4.6693e-02],  
[6.4256e-01, 8.1291e-04, 8.4040e-02],  
[1.8127e+00, 5.4422e-04, 1.3749e-01],  
[1.7907e+02, 2.8699e+00, 3.0868e+00],  
[2.0710e+02, 5.7524e+00, 4.7549e+00],  
[1.1986e-01, 1.4843e-05, 1.7524e-02],  
[1.8434e+01, 3.0745e-03, 6.8882e-01],  
[1.7008e+01, 5.5813e-02, 1.0966e+00],  
[1.4155e+01, 4.8793e-02, 1.2927e+00],  
[3.0538e+01, 7.2226e-03, 7.5029e-01],  
[2.8712e-01, 2.7072e-05, 3.7869e-02],  
[2.3318e+00, 1.5946e-03, 2.1674e-01],  
[4.6836e+00, 2.9038e-02, 5.5448e-01],  
[2.1641e+01, 1.8244e-01, 8.2606e-01],  
[2.7047e-02, 9.4653e-07, 3.9384e-03],  
[8.4524e-01, 6.7789e-05, 7.0220e-02],  
[5.3647e+01, 2.8194e-01, 1.4575e+00],  
[3.5924e+01, 1.6811e-01, 2.3509e+00],  
[1.5808e+01, 7.5232e-04, 5.7970e-01],  
[1.2830e+01, 1.0443e-02, 8.0581e-01],  
[9.8524e-01, 2.5058e-04, 1.3740e-01],  
[2.9670e-01, 7.4879e-06, 3.8976e-02],  
[1.5044e-01, 3.1210e-06, 2.0788e-02],  
[1.4397e-01, 3.5855e-06, 1.9288e-02],  
[1.6230e-01, 6.9331e-06, 2.1094e-02],  
[3.5935e-01, 5.5391e-05, 3.8810e-02],  
[3.6392e-02, 1.1166e-07, 5.2936e-03],  
[5.8306e+00, 4.8359e-03, 3.5472e-01],  
[3.1110e+01, 2.0255e-01, 2.1910e+00],  
[3.1247e-01, 2.9478e-05, 3.9872e-02],  
[2.3338e-02, 7.2428e-07, 3.4497e-03],  
[1.7375e+01, 8.0375e-02, 6.4436e-01],

[3.7604e+00, 1.5223e-03, 2.5230e-01],  
[9.1059e+00, 6.9480e-03, 3.1934e-01],  
[4.7307e+00, 8.6906e-03, 4.0266e-01],  
[5.1849e+00, 2.8725e-03, 5.7372e-01],  
[9.0261e+01, 4.4188e-01, 2.9615e+00],  
[2.6323e+01, 2.3461e-01, 1.1525e+00],  
[2.2014e+01, 5.8717e-02, 8.8810e-01],  
[2.9732e+01, 1.5321e-01, 1.3466e+00],  
[9.6008e-01, 1.1452e-03, 1.1503e-01],  
[8.9238e+00, 1.0177e-02, 3.4436e-01],  
[8.6847e+01, 1.8312e+00, 2.5965e+00],  
[6.6580e-02, 6.9192e-07, 9.2752e-03],  
[3.5856e-01, 2.4984e-05, 3.6641e-02],  
[6.0685e-01, 7.2092e-05, 4.9088e-02],  
[3.8572e-01, 3.5411e-05, 3.2508e-02],  
[1.0728e+01, 5.8228e-03, 3.5300e-01],  
[1.3597e+02, 4.5836e+00, 4.4407e+00],  
[5.7971e+00, 4.1271e-03, 4.1377e-01],  
[6.6966e+01, 1.5608e-01, 3.4023e+00],  
[3.4405e+01, 6.8309e-02, 1.8447e+00],  
[1.9323e+01, 3.5557e-01, 1.7413e+00],  
[1.4419e+02, 3.9505e+00, 4.6878e+00],  
[6.9131e+00, 4.0360e-03, 4.0435e-01],  
[1.5459e-01, 7.5221e-06, 1.8966e-02],  
[9.8796e+00, 2.3342e-03, 4.1550e-01],  
[1.9571e+01, 1.7949e-02, 8.8545e-01],  
[7.0791e-01, 2.1849e-04, 9.7290e-02],  
[1.0966e+01, 1.8651e-02, 7.8455e-01],  
[1.9585e+01, 4.2134e-02, 1.8358e+00],  
[4.9637e-01, 8.3301e-05, 4.9034e-02],  
[3.6522e+01, 1.7683e-01, 1.2158e+00],  
[1.1929e+00, 5.4415e-04, 1.2688e-01],  
[4.9537e-02, 5.4863e-07, 6.9941e-03],  
[5.5358e-01, 2.1286e-05, 3.8134e-02],  
[1.9847e+01, 2.6817e-02, 1.0437e+00],  
[4.4484e-01, 7.1600e-05, 4.6534e-02],  
[8.4570e-02, 2.0605e-06, 1.0730e-02],  
[4.2374e+00, 1.6251e-03, 4.0266e-01],  
[7.0665e+00, 1.8567e-02, 6.2188e-01],  
[8.3375e+00, 1.9254e-02, 5.3736e-01],  
[5.9401e+00, 8.6350e-03, 4.4596e-01],  
[3.4508e+01, 3.7198e-01, 1.4830e+00],  
[1.1946e+00, 4.8985e-04, 1.0048e-01],  
[2.6054e+02, 3.4927e+00, 4.1718e+00],  
[1.7922e+00, 7.1837e-04, 1.6325e-01],  
[4.7741e+01, 9.4270e-02, 1.2515e+00],  
[1.2913e+00, 3.6900e-04, 8.6425e-02],  
[3.0500e+01, 3.5030e-01, 2.0170e+00],

```

[2.4105e+01, 1.1856e-01, 8.9475e-01],
[2.1747e-01, 3.6792e-06, 3.0265e-02],
[5.8768e+01, 5.4041e-01, 1.3475e+00],
[4.6735e+01, 3.4035e-01, 1.0868e+00],
[4.5488e+01, 4.3212e-01, 1.4770e+00],
[1.8259e+01, 1.2009e-01, 1.6503e+00],
[6.2460e-01, 1.1607e-04, 6.9740e-02],
[1.0137e-01, 1.2003e-05, 1.5036e-02],
[2.4261e-01, 2.6821e-05, 2.4375e-02],
[1.3851e+02, 3.2245e+00, 3.8640e+00],
[6.3834e+01, 6.0977e-01, 1.8882e+00],
[9.9482e+01, 9.1892e-01, 1.9078e+00]], dtype=torch.float64)
Iteration: 188
Inputs: tensor([[4.7375e+20, 2.0923e+02, 1.1937e+01, 5.6349e+00],
[1.4339e+20, 1.3360e+02, 1.9477e+00, 2.6090e+00],
[3.2834e+18, 4.5175e+02, 1.0989e+00, 4.6963e+00],
...,
[8.9824e+19, 3.5557e+02, 1.9269e+01, 3.9927e+00],
[3.2251e+19, 4.8127e+02, 9.7004e+00, 7.0324e+00],
[1.2946e+18, 2.1667e+02, 8.6931e+00, 2.4990e+00]], dtype=torch.float64)
Target: tensor([[7.8112e+01, 8.5373e-01, 3.0365e+00],
[3.5498e+01, 2.4499e-02, 1.5229e+00],
[2.5429e+00, 2.0289e-04, 1.1936e-01],
[3.1030e+01, 5.0045e-02, 2.3903e+00],
[2.0679e+02, 7.0096e+00, 4.4840e+00],
[4.9397e-03, 3.6832e-09, 7.8003e-04],
[2.5108e+01, 5.1518e-02, 2.1957e+00],
[7.3930e+01, 1.1247e+00, 1.8180e+00],
[5.7621e+00, 8.7965e-03, 4.5997e-01],
[7.7044e+01, 1.2454e+00, 1.9230e+00],
[2.9322e+01, 1.3168e-01, 9.4994e-01],
[5.9947e+01, 6.1908e-01, 2.6406e+00],
[1.1499e+01, 3.2657e-02, 8.6410e-01],
[4.5226e+01, 4.3236e-01, 1.4581e+00],
[1.3786e+02, 1.6527e+00, 2.7810e+00],
[3.8623e-02, 9.9486e-08, 5.4073e-03],
[4.7318e+01, 6.0106e-02, 1.3881e+00],
[1.9059e+01, 6.6069e-02, 7.9974e-01],
[6.6203e+00, 3.3954e-03, 2.3627e-01],
[1.0466e+02, 3.4318e-01, 2.4449e+00],
[3.7762e+01, 2.3193e-01, 1.0797e+00],
[1.1065e+00, 6.1724e-04, 8.6256e-02],
[5.8948e+01, 8.7458e-01, 1.5242e+00],
[1.0373e+02, 1.6704e-01, 3.3534e+00],
[4.0569e+01, 3.8534e-01, 1.1764e+00],
[1.6952e+00, 5.9778e-04, 2.2544e-01],
[1.3310e-02, 2.1681e-07, 2.0026e-03],
[2.2802e+00, 7.0154e-04, 2.2286e-01],

```

[3.2838e+01, 8.0373e-02, 2.2989e+00],  
[2.6781e-01, 1.6606e-05, 2.4474e-02],  
[1.1727e+01, 1.8125e-02, 5.8336e-01],  
[6.7562e-01, 1.7961e-05, 6.2823e-02],  
[4.3053e+01, 1.1346e-01, 1.3198e+00],  
[9.2715e+01, 3.2557e+00, 3.6034e+00],  
[2.8120e-02, 9.5581e-08, 4.1722e-03],  
[3.6611e-03, 7.9747e-09, 5.7231e-04],  
[5.2030e-01, 4.3193e-04, 7.1912e-02],  
[9.9285e-01, 1.3903e-04, 6.8600e-02],  
[1.2502e+01, 3.2177e-02, 5.3946e-01],  
[1.1086e-01, 8.2440e-06, 1.4266e-02],  
[1.8981e+01, 2.0620e-02, 9.3422e-01],  
[9.2806e-02, 8.1017e-06, 1.2057e-02],  
[2.8203e+00, 1.9111e-03, 1.7023e-01],  
[3.0573e-01, 2.6037e-05, 3.1981e-02],  
[7.8788e+01, 7.4045e-01, 3.7164e+00],  
[1.9199e-01, 9.0813e-06, 2.0907e-02],  
[2.3676e+01, 1.4093e-01, 9.6557e-01],  
[1.2295e+01, 2.2242e-02, 9.0340e-01],  
[3.1720e+00, 1.1141e-02, 3.4520e-01],  
[8.7888e+00, 1.6900e-02, 5.1905e-01],  
[6.7186e+01, 7.4882e-01, 1.5091e+00],  
[8.6001e+01, 8.9229e-01, 3.2398e+00],  
[3.4018e-01, 6.1102e-06, 3.7828e-02],  
[6.5305e+01, 4.6862e-01, 2.3958e+00],  
[3.7314e-01, 5.5234e-05, 3.7141e-02],  
[4.8542e-01, 2.8682e-05, 4.5186e-02],  
[1.4545e+01, 3.6672e-02, 6.6897e-01],  
[2.9356e+01, 3.2038e-01, 1.0331e+00],  
[1.1094e+01, 6.8429e-03, 8.2496e-01],  
[3.1935e+01, 7.4103e-02, 9.4102e-01],  
[8.3287e-01, 3.8234e-05, 9.5513e-02],  
[3.3673e+01, 3.4514e-01, 9.8609e-01],  
[3.3249e-01, 4.5707e-05, 3.6146e-02],  
[6.6665e-01, 1.1698e-04, 5.3424e-02],  
[4.2185e+01, 1.8964e-01, 1.2307e+00],  
[7.4985e+00, 3.0399e-02, 5.3510e-01],  
[2.4318e+01, 1.4376e-01, 1.1195e+00],  
[1.1964e+01, 1.8199e-02, 6.1658e-01],  
[7.8273e+00, 1.6864e-03, 3.5914e-01],  
[4.1910e+01, 5.1238e-02, 1.6541e+00],  
[3.4650e-01, 2.3519e-05, 4.4455e-02],  
[1.2890e+01, 4.6229e-02, 1.1395e+00],  
[5.0439e-02, 2.6929e-07, 6.9388e-03],  
[1.0859e-02, 1.0075e-08, 1.7172e-03],  
[7.4545e+00, 1.8210e-02, 4.9981e-01],  
[1.9584e+02, 4.8304e+00, 3.8664e+00],

[2.9857e+01, 2.0082e-02, 1.7592e+00],  
[4.5712e+01, 4.0583e-01, 1.2280e+00],  
[4.1458e-01, 4.1348e-05, 3.1678e-02],  
[1.3315e+00, 8.5073e-04, 1.4988e-01],  
[5.0553e-01, 1.0566e-04, 5.7180e-02],  
[4.1613e+00, 2.0640e-03, 3.0034e-01],  
[1.7705e+02, 9.8864e-01, 4.4211e+00],  
[2.1667e+00, 8.7967e-04, 1.7980e-01],  
[5.4511e-01, 1.9696e-05, 5.0694e-02],  
[1.0849e+02, 1.9230e+00, 4.4030e+00],  
[1.8328e+01, 4.0323e-02, 7.1073e-01],  
[1.3404e+01, 7.5590e-02, 8.7541e-01],  
[4.1604e-01, 4.8094e-05, 3.8718e-02],  
[4.8968e-02, 2.5100e-06, 6.9998e-03],  
[2.4635e+00, 2.0922e-04, 1.6697e-01],  
[5.5284e+01, 1.9466e-01, 2.9586e+00],  
[1.2655e+00, 5.7777e-04, 8.5987e-02],  
[1.3986e+00, 2.7254e-04, 1.2290e-01],  
[1.1118e+01, 3.1598e-02, 5.2450e-01],  
[1.7964e+00, 1.6110e-03, 2.0904e-01],  
[1.9660e+01, 4.7433e-02, 1.2355e+00],  
[2.6993e-01, 4.1888e-05, 2.8965e-02],  
[6.1011e-01, 1.0813e-04, 7.7599e-02],  
[3.6185e-01, 1.8194e-05, 2.8789e-02],  
[2.3527e+01, 1.2934e-02, 6.8666e-01],  
[8.9713e+01, 5.9529e-01, 1.8447e+00],  
[1.2533e+01, 2.4930e-02, 6.8053e-01],  
[1.3452e+00, 8.3316e-04, 1.3144e-01],  
[4.3276e-01, 1.2779e-05, 3.9210e-02],  
[1.9436e-01, 5.3134e-05, 2.7785e-02],  
[6.3778e-02, 3.6278e-06, 8.5092e-03],  
[9.3925e+00, 1.0300e-02, 4.0351e-01],  
[1.0699e+00, 4.5326e-04, 1.3131e-01],  
[9.2340e-02, 1.0048e-06, 1.2409e-02],  
[5.6336e-02, 8.2150e-07, 8.6313e-03],  
[3.2689e-03, 1.6836e-09, 5.2556e-04],  
[4.2005e-03, 1.8967e-08, 6.5436e-04],  
[6.9637e+00, 1.6599e-02, 3.7777e-01],  
[9.5792e+01, 1.6284e+00, 2.1725e+00],  
[1.0495e+02, 6.8854e-01, 1.9460e+00],  
[7.1076e-01, 1.7981e-04, 5.9707e-02],  
[4.3924e-02, 2.6327e-06, 6.2029e-03],  
[2.8394e+01, 2.4476e-03, 8.0675e-01],  
[4.9897e-02, 1.5402e-06, 6.7888e-03],  
[9.1669e+01, 1.0469e+00, 3.0938e+00],  
[3.4577e+01, 2.6374e-01, 1.1295e+00],  
[1.6274e+01, 2.9274e-02, 9.5038e-01],  
[3.2466e+01, 2.4481e-01, 1.6505e+00],

[1.5567e+01, 1.5832e-02, 5.4804e-01],  
[9.4635e+00, 1.0616e-02, 1.0345e+00],  
[3.0777e+01, 1.6124e-01, 9.2898e-01],  
[1.8044e+02, 4.3847e+00, 3.4037e+00],  
[1.2268e+02, 4.7604e-01, 2.9074e+00],  
[4.5329e-01, 5.3306e-05, 4.2709e-02],  
[1.2425e+01, 1.0184e-01, 1.1108e+00],  
[4.0451e+01, 2.6499e-02, 1.8324e+00],  
[3.7052e-02, 5.5313e-07, 5.4697e-03],  
[8.6087e+00, 8.6764e-03, 3.6448e-01],  
[1.3849e-01, 4.9300e-06, 1.7435e-02],  
[3.3989e+01, 1.2196e-01, 1.3959e+00],  
[1.0172e+01, 1.1135e-02, 8.0862e-01],  
[2.7289e+00, 4.0442e-04, 1.6623e-01],  
[4.4023e+01, 3.4631e-01, 1.9476e+00],  
[5.2881e+00, 6.7105e-03, 6.0738e-01],  
[2.8191e+00, 5.7973e-03, 2.5488e-01],  
[4.1308e-01, 5.8045e-05, 3.2447e-02],  
[3.3916e-02, 4.6480e-07, 5.0524e-03],  
[1.5932e-01, 8.1295e-06, 2.1254e-02],  
[6.7939e-01, 2.5230e-05, 7.5223e-02],  
[6.7409e+01, 1.2598e+00, 3.1411e+00],  
[1.2677e+02, 1.0622e+00, 3.8870e+00],  
[2.2522e+00, 8.5351e-04, 1.3902e-01],  
[4.2898e-01, 1.4876e-05, 3.8471e-02],  
[1.2187e-01, 8.0386e-06, 1.4099e-02],  
[1.2099e+02, 1.7963e+00, 2.4807e+00],  
[2.4969e-02, 2.0096e-07, 3.8492e-03],  
[4.7378e+01, 2.0175e-01, 1.6569e+00],  
[7.1153e-01, 1.1369e-05, 6.6861e-02],  
[8.3809e-01, 1.1265e-04, 7.9248e-02],  
[7.2796e+00, 4.5491e-03, 5.2307e-01],  
[9.1476e+00, 9.1872e-03, 5.6116e-01],  
[1.7642e+02, 7.0164e+00, 4.0267e+00],  
[1.5388e+02, 5.4576e+00, 3.3746e+00],  
[1.5440e+00, 5.0750e-04, 1.5575e-01],  
[1.6967e+01, 1.4666e-01, 8.5061e-01],  
[9.9339e-01, 6.0978e-06, 8.3928e-02],  
[1.9071e+02, 8.3338e+00, 4.1775e+00],  
[1.1874e+00, 2.0901e-04, 1.5095e-01],  
[1.4435e+00, 2.9658e-04, 1.2531e-01],  
[8.4554e+01, 1.5414e+00, 2.0152e+00],  
[8.3840e+01, 2.6603e-01, 2.5354e+00],  
[1.3204e-01, 5.4274e-06, 1.4175e-02],  
[6.7178e+00, 9.0815e-03, 4.4372e-01],  
[2.0062e-01, 1.3913e-05, 2.2776e-02],  
[4.3365e-01, 3.1320e-05, 4.8032e-02],  
[4.8524e+01, 3.1735e-01, 1.3405e+00],



[7.0538e+01, 4.9357e-02, 2.0602e+00],  
 [1.0331e+02, 6.7689e-01, 1.8258e+00],  
 [2.2222e-02, 3.6236e-07, 3.2389e-03],  
 [1.7905e-01, 8.2950e-06, 2.4880e-02],  
 [1.8008e+01, 1.0384e-01, 9.9521e-01],  
 [4.8916e-01, 3.1915e-04, 5.9499e-02],  
 [2.1319e-01, 2.0936e-05, 2.0347e-02],  
 [4.1480e-01, 3.3814e-05, 3.2653e-02],  
 [6.3786e+00, 1.4076e-02, 5.1275e-01],  
 [3.3738e+00, 1.2302e-03, 3.2946e-01],  
 [6.3251e-03, 3.5548e-09, 9.7083e-04],  
 [1.4839e+00, 1.2365e-03, 1.2256e-01],  
 [1.0297e-01, 5.5812e-06, 1.2571e-02],  
 [5.8546e+00, 1.2182e-02, 5.4470e-01],  
 [1.9404e-01, 6.2746e-06, 1.9141e-02],  
 [1.4750e+01, 1.0325e-02, 1.1787e+00],  
 [6.6633e-01, 1.9518e-04, 8.4643e-02],  
 [1.0511e-01, 5.7521e-07, 1.3799e-02],  
 [1.1394e+02, 4.9133e-01, 2.5697e+00],  
 [2.1113e+02, 5.7408e+00, 4.9385e+00],  
 [3.8178e-02, 9.9448e-07, 5.0896e-03],  
 [4.2475e-03, 4.3159e-09, 6.6453e-04],  
 [2.8394e+00, 3.5561e-03, 2.7931e-01],  
 [1.3663e+01, 6.2419e-02, 7.8197e-01],  
 [4.2120e+01, 4.8849e-01, 1.6193e+00],  
 [9.5762e+00, 1.1207e-02, 5.4792e-01],  
 [7.6469e+01, 1.5141e+00, 2.1681e+00],  
 [6.4536e-01, 1.1314e-05, 6.7278e-02],  
 [2.5842e-01, 8.9630e-06, 3.0467e-02],  
 [1.6436e+00, 3.8153e-04, 1.4108e-01],  
 [2.0638e+00, 2.6161e-03, 2.0754e-01],  
 [1.8554e+01, 1.6805e-01, 1.4511e+00],  
 [1.0474e+02, 6.3727e-01, 2.1996e+00],  
 [1.1658e+02, 3.2387e+00, 2.9910e+00],  
 [4.6816e-01, 1.0127e-04, 4.4990e-02],  
 [1.0622e-01, 9.9957e-06, 1.2265e-02],  
 [1.9233e+01, 5.6004e-02, 1.2741e+00],  
 [3.4177e+00, 2.5819e-03, 2.1223e-01],  
 [2.4306e+02, 4.4930e+00, 5.0737e+00],  
 [1.2987e+02, 1.3073e+00, 3.4129e+00],  
 [3.6120e-03, 6.5412e-09, 5.7326e-04],  
 [2.5523e+00, 1.4874e-03, 1.6973e-01],  
 [3.1498e+01, 2.7829e-02, 1.1863e+00],  
 [8.7909e-02, 5.0364e-06, 1.1817e-02],  
 [1.1587e+00, 2.4806e-04, 9.0235e-02],  
 [4.6112e+01, 6.8885e-02, 2.1823e+00],  
 [1.8659e+01, 9.1031e-02, 9.8816e-01],  
 [1.1395e+01, 2.9223e-02, 5.6808e-01],

[2.9959e-01, 4.2962e-06, 3.7485e-02],  
[7.6736e+00, 8.9486e-03, 3.6603e-01],  
[4.7203e+01, 1.7080e-01, 1.1649e+00],  
[3.3886e-03, 3.8007e-09, 5.3935e-04],  
[1.0826e+00, 1.7150e-04, 8.7240e-02],  
[1.2897e+02, 2.3161e+00, 2.7473e+00],  
[8.1717e-02, 8.3696e-06, 1.0887e-02],  
[1.1382e+02, 1.2199e+00, 3.6058e+00],  
[8.0125e+01, 8.0037e-02, 4.0168e+00],  
[1.2685e+01, 1.0930e-02, 5.3471e-01],  
[9.3321e-01, 3.3386e-04, 8.9785e-02],  
[1.1814e+02, 1.7380e+00, 2.3673e+00],  
[1.2554e+02, 6.2235e-01, 3.9086e+00],  
[5.1226e+01, 5.1761e-01, 2.3546e+00],  
[7.4058e+01, 8.8744e-01, 2.1602e+00],  
[2.9022e+00, 1.0191e-03, 2.1515e-01],  
[1.3341e+00, 3.0019e-04, 9.8032e-02],  
[4.1902e+00, 1.7901e-03, 2.0252e-01],  
[1.4136e+00, 5.7266e-04, 1.0692e-01],  
[1.3970e+01, 5.9714e-02, 1.3379e+00],  
[1.2329e+01, 8.0128e-03, 7.3147e-01],  
[3.5103e-01, 9.6795e-05, 4.0861e-02],  
[2.1150e+01, 2.7552e-02, 1.1412e+00],  
[2.1013e+02, 3.8003e+00, 3.4641e+00],  
[1.1713e+02, 2.5785e+00, 2.7908e+00],  
[1.6028e+01, 3.1934e-02, 6.9559e-01],  
[2.9531e+01, 1.9310e-01, 1.3401e+00],  
[1.9320e-02, 1.0373e-08, 2.7776e-03],  
[4.0483e+01, 2.8014e-01, 1.9743e+00],  
[8.6790e-02, 8.5200e-06, 1.2761e-02],  
[3.9438e+00, 3.4730e-03, 2.5333e-01],  
[3.9705e-02, 4.2425e-07, 5.2772e-03],  
[3.0004e+00, 3.6594e-04, 2.5983e-01],  
[1.5613e+00, 2.4210e-04, 1.0875e-01],  
[1.0229e+02, 8.6422e-01, 3.1211e+00],  
[7.5214e+01, 1.2226e+00, 2.0201e+00],  
[6.0573e+01, 7.6218e-01, 2.0277e+00],  
[1.1540e-03, 8.8022e-10, 1.8633e-04],  
[9.1565e+00, 8.4700e-03, 6.9774e-01],  
[1.8334e+00, 7.5629e-04, 1.6037e-01],  
[6.4638e-01, 1.1519e-04, 5.6933e-02],  
[6.3517e+00, 7.0358e-03, 6.5280e-01],  
[4.8447e+01, 1.5406e-01, 1.0437e+00],  
[2.2433e-01, 1.3168e-05, 2.6516e-02],  
[2.0522e-01, 2.9667e-05, 2.5345e-02],  
[2.6887e-01, 7.4623e-06, 3.3042e-02],  
[6.1551e+00, 3.4995e-03, 3.3962e-01],  
[1.7518e+01, 1.6031e-02, 5.7433e-01],

[1.4107e+01, 3.7679e-02, 5.0640e-01],  
[1.8076e-01, 1.4026e-06, 1.8997e-02],  
[1.3860e+01, 1.9550e-02, 7.8546e-01],  
[9.9888e-01, 2.2282e-04, 8.9103e-02],  
[5.5758e+01, 4.4319e-01, 2.3263e+00],  
[3.2929e+00, 4.2701e-03, 2.2436e-01],  
[7.4810e-01, 2.2551e-04, 7.0324e-02],  
[2.7105e+00, 9.0666e-04, 2.0725e-01],  
[2.6721e+01, 3.2030e-01, 2.1002e+00],  
[2.4692e+00, 1.9055e-03, 1.7431e-01],  
[3.1437e+02, 9.4954e+00, 4.5944e+00],  
[3.3594e-01, 4.3008e-05, 4.5178e-02],  
[7.3879e-02, 1.6307e-06, 8.9327e-03],  
[1.8995e+02, 5.1215e+00, 3.2173e+00],  
[1.5451e+00, 2.7907e-04, 1.0383e-01],  
[4.6208e+01, 1.9415e-01, 1.2142e+00],  
[3.6023e+00, 1.6474e-03, 3.8848e-01],  
[9.7496e-01, 3.6684e-04, 8.6969e-02],  
[1.4967e-01, 6.0731e-06, 2.3124e-02],  
[3.0721e-01, 4.4706e-05, 2.8026e-02],  
[2.0212e-01, 6.0233e-05, 2.7869e-02],  
[9.7384e-01, 7.7621e-04, 1.1941e-01],  
[2.8140e+00, 2.3022e-03, 2.3370e-01],  
[1.0926e+02, 3.3484e+00, 2.5087e+00],  
[8.5545e-02, 1.1325e-06, 1.1975e-02],  
[4.4330e-01, 4.2143e-05, 3.6735e-02],  
[1.5958e+02, 4.5086e+00, 4.2228e+00],  
[2.3964e+01, 1.4929e-01, 1.5488e+00],  
[3.7237e-02, 1.0992e-07, 4.9870e-03],  
[8.2451e+01, 2.7729e-01, 2.0512e+00],  
[3.0785e-01, 4.1435e-05, 3.1927e-02],  
[3.2079e+01, 1.3737e-02, 1.3178e+00],  
[1.0551e-01, 2.4083e-06, 1.3416e-02],  
[6.6165e+01, 2.4290e-01, 3.0585e+00],  
[1.6196e+01, 1.6130e-02, 1.3572e+00],  
[1.9623e-01, 1.8384e-06, 2.1055e-02],  
[3.9836e+00, 1.1379e-03, 2.4934e-01],  
[1.0327e+02, 1.6787e+00, 3.5798e+00],  
[2.9604e+01, 5.3912e-02, 1.3491e+00],  
[5.0013e+01, 1.6279e-01, 1.8069e+00],  
[3.0663e+01, 2.0887e-01, 1.0069e+00],  
[4.6821e+01, 1.0266e-01, 1.9277e+00],  
[1.4403e+02, 7.8961e-01, 4.5394e+00],  
[6.9088e-01, 1.6637e-04, 7.9653e-02],  
[8.5703e+01, 2.4729e-01, 2.1532e+00],  
[6.6371e+00, 4.4906e-03, 2.8146e-01],  
[5.9390e-01, 3.2274e-05, 5.3034e-02],  
[1.8375e-02, 3.5403e-07, 2.6958e-03],

```

[3.8632e-03, 2.0081e-09, 6.0479e-04],
[2.0511e+01, 7.5407e-02, 1.0617e+00],
[2.1544e+01, 6.7333e-02, 6.9373e-01],
[3.1884e-02, 1.5202e-07, 4.4329e-03]], dtype=torch.float64)
Iteration: 189
Inputs: tensor([[2.3460e+20, 3.1917e+02, 1.2168e+01, 5.1196e+00],
[2.4882e+20, 1.1871e+02, 5.3153e+00, 7.7262e+00],
[4.4448e+19, 1.7225e+02, 9.7968e+00, 9.8966e+00],
...,
[1.7288e+18, 1.9115e+02, 2.4666e+00, 6.7861e+00],
[2.0931e+19, 4.5842e+02, 1.7090e+01, 1.8175e+00],
[5.0687e+20, 3.2802e+02, 6.7777e-01, 9.1782e+00]], dtype=torch.float64)
Target: tensor([[6.1963e+01, 4.5743e-01, 2.1519e+00],
[4.9780e+01, 3.8990e-01, 2.0858e+00],
[1.4788e+01, 7.7700e-02, 7.2347e-01],
[4.3274e-02, 1.6040e-06, 5.7847e-03],
[2.4594e+01, 1.6307e-02, 1.2915e+00],
[6.6890e+00, 2.6012e-03, 4.0879e-01],
[1.0977e+02, 2.7077e+00, 3.2255e+00],
[5.4185e+01, 7.8489e-01, 2.4450e+00],
[8.6373e-01, 1.6568e-05, 7.9528e-02],
[1.4062e+01, 6.6337e-02, 8.8604e-01],
[4.0808e-01, 5.5631e-05, 4.2711e-02],
[9.0656e+00, 2.7029e-03, 7.9722e-01],
[3.3195e+01, 2.4022e-01, 1.1029e+00],
[1.7869e+00, 8.2905e-04, 1.3924e-01],
[7.6395e-01, 4.3035e-05, 5.6352e-02],
[1.3686e+00, 4.9614e-04, 1.0635e-01],
[1.3979e+00, 6.9949e-04, 1.2784e-01],
[4.6082e+01, 5.1750e-01, 2.6378e+00],
[4.5641e-02, 1.5160e-07, 6.3049e-03],
[1.1564e-02, 1.7773e-08, 1.7186e-03],
[8.6898e-01, 1.7732e-04, 9.9914e-02],
[1.9592e+01, 7.6396e-02, 7.7920e-01],
[9.7218e+01, 1.6531e-01, 2.8284e+00],
[6.5528e+01, 7.5360e-01, 1.9713e+00],
[2.7855e-01, 1.0735e-04, 3.6856e-02],
[7.7589e-02, 3.2451e-07, 1.0762e-02],
[3.0877e+02, 7.2642e+00, 4.9791e+00],
[3.0198e+01, 5.1743e-02, 7.8435e-01],
[1.5601e+02, 2.5935e+00, 3.5899e+00],
[3.5763e+00, 2.3245e-03, 2.8122e-01],
[4.4225e+00, 1.7127e-03, 3.6511e-01],
[6.3694e-01, 7.4221e-05, 7.0113e-02],
[6.3923e-02, 2.9595e-06, 8.0189e-03],
[1.4627e+01, 7.2436e-03, 1.1655e+00],
[2.0329e+00, 2.6618e-03, 2.3003e-01],
[5.7874e+00, 2.0119e-04, 2.9638e-01],

```

[1.0589e+01, 2.0274e-02, 4.9203e-01],  
[4.5962e-01, 6.4577e-05, 5.7181e-02],  
[8.3294e-01, 2.4835e-04, 9.7613e-02],  
[2.8722e-02, 2.8624e-07, 4.1828e-03],  
[7.8004e-01, 4.7311e-05, 6.9512e-02],  
[9.7075e+01, 1.1655e+00, 2.9998e+00],  
[3.2966e+01, 3.4920e-01, 2.0239e+00],  
[6.2663e+01, 1.0887e+00, 1.8159e+00],  
[1.8282e+02, 5.9142e-01, 4.5689e+00],  
[1.2573e+02, 2.0249e+00, 2.9802e+00],  
[9.0802e+00, 3.4096e-02, 9.0439e-01],  
[3.9361e+00, 3.3431e-03, 2.6372e-01],  
[2.7219e+00, 7.4264e-04, 2.5215e-01],  
[5.0852e-01, 6.1560e-05, 5.2111e-02],  
[6.7961e+00, 1.1458e-02, 4.0320e-01],  
[9.4682e+01, 1.6299e+00, 2.7574e+00],  
[3.0690e-02, 5.5131e-07, 4.6195e-03],  
[6.3966e-01, 7.5448e-06, 4.3157e-02],  
[1.2700e+01, 2.9604e-02, 6.4721e-01],  
[1.3680e+02, 1.7945e+00, 4.4757e+00],  
[2.8012e-03, 1.2754e-08, 4.4583e-04],  
[3.0452e-03, 3.1011e-09, 4.7914e-04],  
[1.2776e+01, 3.4422e-02, 4.8127e-01],  
[3.2086e+00, 2.7239e-03, 2.6738e-01],  
[1.7342e+02, 3.1274e+00, 2.6370e+00],  
[7.6272e+01, 2.5391e-01, 2.1365e+00],  
[8.5937e+00, 2.8669e-02, 6.1446e-01],  
[4.6976e-01, 1.5310e-04, 5.3652e-02],  
[2.2495e-01, 5.2585e-06, 2.4227e-02],  
[1.7044e+02, 1.7852e+00, 4.8062e+00],  
[8.8168e-01, 2.5158e-05, 5.1538e-02],  
[9.8916e+01, 2.8748e-01, 4.2721e+00],  
[2.0519e+00, 4.8019e-04, 1.9545e-01],  
[1.8729e+00, 4.6472e-04, 1.3375e-01],  
[3.7781e+01, 1.3604e-01, 1.4039e+00],  
[4.7078e+01, 1.0797e-01, 1.4255e+00],  
[3.1116e+01, 3.8232e-01, 2.2010e+00],  
[8.3183e-03, 5.6244e-09, 1.2600e-03],  
[1.2094e-01, 7.1305e-06, 1.4582e-02],  
[2.1330e-02, 5.4309e-07, 3.3714e-03],  
[9.5423e+00, 1.9512e-02, 4.8633e-01],  
[1.6971e+01, 7.0343e-03, 7.7688e-01],  
[1.2414e+02, 2.9233e+00, 2.7947e+00],  
[4.8815e+00, 2.5117e-03, 3.4473e-01],  
[1.3396e+01, 4.9160e-03, 6.4985e-01],  
[1.2460e+02, 9.4189e-01, 4.4562e+00],  
[2.5879e-01, 5.6370e-06, 3.3301e-02],  
[3.2222e+01, 2.2819e-01, 1.1810e+00],

[3.3772e+01, 1.8025e-01, 2.4778e+00],  
[6.1211e+00, 4.4382e-03, 2.4308e-01],  
[2.2726e-02, 2.5680e-07, 3.3343e-03],  
[8.9104e-01, 1.1585e-05, 7.4003e-02],  
[5.7450e+01, 3.8368e-01, 1.3301e+00],  
[3.0801e+01, 5.2336e-02, 1.6054e+00],  
[2.4811e+01, 1.1436e-01, 1.0910e+00],  
[2.9692e+01, 2.5346e-02, 1.1785e+00],  
[1.0580e+00, 5.0770e-04, 8.3862e-02],  
[2.4090e+01, 6.5973e-02, 8.4568e-01],  
[1.3926e-01, 1.6640e-05, 1.7695e-02],  
[3.9159e+01, 1.6233e-01, 1.7384e+00],  
[1.3211e-01, 1.5927e-05, 1.4645e-02],  
[3.9312e+01, 2.0120e-01, 1.9688e+00],  
[1.1114e+01, 2.9849e-02, 4.9875e-01],  
[1.1504e+00, 1.4471e-04, 1.4504e-01],  
[5.4154e+01, 9.2193e-01, 2.1696e+00],  
[1.1828e+00, 5.4510e-04, 1.6055e-01],  
[7.4630e-02, 3.7386e-06, 1.0576e-02],  
[2.8869e+00, 2.5253e-03, 1.7877e-01],  
[8.5389e+01, 6.8373e-01, 3.1848e+00],  
[1.0757e+02, 3.1317e+00, 3.3510e+00],  
[2.5369e+01, 1.1092e-01, 8.3159e-01],  
[2.1069e+01, 1.1600e-01, 6.8469e-01],  
[1.8394e+01, 8.2092e-03, 1.1964e+00],  
[4.0895e+01, 2.3588e-01, 1.3010e+00],  
[1.7703e-02, 3.3339e-07, 2.6833e-03],  
[1.2327e-01, 3.8108e-06, 1.7219e-02],  
[1.1005e-01, 3.5228e-06, 1.4060e-02],  
[5.2001e-03, 5.2613e-09, 8.0062e-04],  
[7.2372e-01, 1.9536e-04, 5.8871e-02],  
[7.9182e-01, 7.8003e-05, 9.6896e-02],  
[2.4796e+01, 8.0266e-03, 1.1741e+00],  
[1.8009e+01, 1.3865e-02, 6.6219e-01],  
[2.0115e-02, 1.6165e-07, 2.9346e-03],  
[2.6218e-01, 4.4148e-06, 3.1358e-02],  
[3.6899e-01, 1.1659e-06, 4.4748e-02],  
[1.0378e+01, 6.1258e-03, 8.0953e-01],  
[1.9219e+01, 7.4035e-02, 6.6358e-01],  
[2.3486e+02, 4.9719e+00, 4.3629e+00],  
[1.9209e+02, 2.0018e+00, 4.5273e+00],  
[1.0471e-01, 2.9619e-06, 1.2558e-02],  
[7.0147e-02, 5.9901e-07, 9.3277e-03],  
[1.5450e-01, 2.0682e-05, 2.1262e-02],  
[2.3897e+01, 2.3170e-01, 1.2208e+00],  
[1.0201e+00, 1.2793e-04, 8.0460e-02],  
[3.4754e+00, 3.4690e-03, 2.7400e-01],  
[1.7726e+02, 3.8310e+00, 3.1293e+00],

[2.4836e-01, 3.7252e-05, 3.0427e-02],  
[2.4484e+01, 5.4257e-02, 1.2737e+00],  
[5.6207e-02, 3.3271e-06, 7.5119e-03],  
[8.3071e-01, 1.1886e-04, 5.2631e-02],  
[7.8249e+01, 2.5611e-01, 2.8168e+00],  
[7.9395e-01, 4.1844e-05, 5.6410e-02],  
[8.1056e+00, 3.2730e-03, 6.3047e-01],  
[2.6741e-01, 5.4083e-06, 3.7097e-02],  
[5.4354e-01, 2.2121e-04, 6.5704e-02],  
[1.0782e+02, 1.9412e+00, 2.8967e+00],  
[4.6424e+01, 3.1371e-01, 1.4912e+00],  
[5.2130e+01, 5.7865e-01, 2.3929e+00],  
[8.9665e-01, 2.1577e-04, 1.0614e-01],  
[1.0867e+01, 4.1466e-02, 5.3082e-01],  
[1.8897e+01, 1.6108e-01, 1.0185e+00],  
[1.2723e+02, 1.7669e+00, 2.7819e+00],  
[2.2130e+01, 1.1956e-01, 6.9825e-01],  
[2.0124e+01, 7.4144e-02, 9.0901e-01],  
[1.0734e+00, 1.7230e-04, 7.9547e-02],  
[1.8279e+01, 7.2732e-02, 6.3414e-01],  
[7.6727e-01, 5.4384e-05, 7.2974e-02],  
[7.0659e+00, 1.2993e-02, 3.9123e-01],  
[1.9912e+00, 9.8176e-04, 1.2394e-01],  
[1.5042e-01, 9.5749e-06, 1.9661e-02],  
[3.8103e+01, 3.4664e-01, 1.2178e+00],  
[7.1042e+00, 2.0861e-02, 4.7536e-01],  
[4.1856e-02, 6.0911e-07, 6.1676e-03],  
[1.5104e+00, 2.0890e-04, 1.4928e-01],  
[2.0386e+01, 1.2172e-01, 9.7921e-01],  
[3.2164e-01, 4.7538e-05, 3.1625e-02],  
[2.9540e+01, 1.0810e-02, 1.5712e+00],  
[7.5108e+00, 6.3236e-03, 5.0840e-01],  
[1.6806e+00, 5.5034e-03, 2.1893e-01],  
[7.5375e+00, 5.0791e-03, 2.9559e-01],  
[2.0423e+01, 5.7159e-02, 7.2998e-01],  
[5.8998e+00, 1.2077e-02, 3.2120e-01],  
[3.1647e+01, 1.1995e-01, 1.3312e+00],  
[2.4737e+01, 7.7718e-02, 1.7783e+00],  
[1.8702e-01, 1.6357e-05, 2.1069e-02],  
[8.9944e+01, 1.0734e+00, 1.7169e+00],  
[7.7827e-02, 5.5275e-06, 1.0484e-02],  
[2.4869e-01, 1.3737e-05, 3.0305e-02],  
[3.2291e+01, 1.1438e-01, 1.1747e+00],  
[1.7394e+02, 5.6684e+00, 3.1657e+00],  
[1.8619e+01, 4.8016e-02, 7.6215e-01],  
[2.4343e+01, 1.4186e-02, 1.1068e+00],  
[2.4271e+01, 9.5678e-02, 6.9650e-01],  
[2.5241e+02, 7.2777e+00, 4.2563e+00],

[7.8038e+00, 5.5423e-03, 6.1142e-01],  
[4.6393e+00, 1.1364e-02, 3.3664e-01],  
[1.4597e+02, 1.4722e+00, 3.1766e+00],  
[1.9277e-01, 7.5335e-06, 2.5359e-02],  
[1.3226e-01, 2.5149e-06, 1.6207e-02],  
[1.6580e+00, 8.0406e-04, 1.3866e-01],  
[3.3798e+01, 5.5802e-02, 2.3244e+00],  
[3.3757e+01, 6.0916e-02, 2.1304e+00],  
[8.0372e+01, 1.0913e+00, 1.9045e+00],  
[3.4875e+01, 5.4908e-02, 2.4848e+00],  
[6.7117e-02, 5.7051e-07, 9.1066e-03],  
[9.3874e+00, 3.6668e-02, 9.4032e-01],  
[6.1607e+00, 1.0875e-02, 5.7586e-01],  
[3.3684e-02, 7.2632e-07, 4.5635e-03],  
[6.3248e+00, 1.0713e-02, 6.8778e-01],  
[4.3155e+00, 2.3052e-03, 2.4837e-01],  
[7.5183e+00, 9.5501e-03, 4.7865e-01],  
[1.1641e+02, 7.6607e-01, 2.0718e+00],  
[1.0914e+02, 2.9402e+00, 3.4669e+00],  
[4.9565e-01, 8.3987e-05, 4.1090e-02],  
[8.1426e+01, 4.6744e-01, 2.0749e+00],  
[2.2584e+00, 8.0761e-04, 1.2999e-01],  
[6.2013e+01, 5.3648e-01, 1.4446e+00],  
[2.6866e+00, 1.1801e-03, 1.7086e-01],  
[1.4227e+00, 1.2431e-03, 1.4208e-01],  
[2.7092e+01, 3.1443e-01, 1.6471e+00],  
[6.2303e+00, 6.8987e-03, 3.7541e-01],  
[5.8472e+00, 4.7109e-03, 4.6276e-01],  
[2.5342e+00, 1.5235e-04, 2.3162e-01],  
[1.0512e-01, 9.6515e-06, 1.5171e-02],  
[4.1840e+00, 5.2568e-03, 2.8090e-01],  
[3.0770e+01, 2.3853e-01, 1.1878e+00],  
[2.9815e+00, 2.5778e-03, 2.8037e-01],  
[5.5272e+01, 7.4339e-01, 1.4391e+00],  
[6.2452e+00, 1.2488e-03, 3.8513e-01],  
[1.4722e+00, 3.8787e-04, 1.0177e-01],  
[4.1422e+00, 3.2086e-03, 2.7160e-01],  
[1.3162e+01, 5.0535e-02, 8.7833e-01],  
[4.6942e+01, 1.0735e-01, 1.2641e+00],  
[6.3665e+01, 1.4418e-01, 1.9058e+00],  
[2.1336e-01, 3.2193e-06, 2.4562e-02],  
[5.6475e-02, 1.3887e-06, 8.0534e-03],  
[4.6348e+01, 6.2059e-01, 1.3766e+00],  
[7.8980e+00, 1.2205e-02, 4.3302e-01],  
[2.6251e+00, 3.0196e-03, 2.4184e-01],  
[3.7898e+01, 3.3413e-01, 1.9162e+00],  
[1.5368e+00, 7.4278e-04, 1.1086e-01],  
[8.3284e+00, 5.6981e-02, 9.0740e-01],



[4.3399e+00, 8.6764e-03, 4.5756e-01],  
 [1.3511e+01, 1.2790e-01, 1.0524e+00],  
 [2.4671e+00, 3.6169e-03, 2.1943e-01],  
 [5.6938e+01, 7.0299e-02, 1.4750e+00],  
 [1.7546e+01, 9.4599e-02, 1.5056e+00],  
 [2.1801e+02, 9.8662e-01, 3.6973e+00],  
 [1.6709e+01, 1.5463e-02, 8.0675e-01],  
 [8.5222e+01, 7.1573e-01, 1.8849e+00],  
 [2.4590e+01, 1.3490e-01, 8.3348e-01],  
 [3.2409e-01, 2.5910e-05, 2.8760e-02],  
 [8.5193e+01, 1.9013e+00, 2.3439e+00],  
 [4.9363e-02, 2.3556e-06, 6.3844e-03],  
 [7.6454e+00, 6.6422e-03, 5.7066e-01],  
 [8.5579e+00, 1.8795e-02, 4.3194e-01],  
 [1.8619e+01, 5.3248e-02, 7.6522e-01],  
 [7.2198e+01, 1.7575e+00, 3.7630e+00],  
 [1.5082e+02, 1.0277e+00, 4.6314e+00],  
 [2.3395e-01, 1.9241e-05, 2.3401e-02],  
 [1.9423e+02, 4.3972e+00, 4.5083e+00],  
 [1.2129e+01, 1.0441e-02, 8.7867e-01],  
 [1.7350e+00, 1.0026e-03, 1.1837e-01],  
 [5.1017e+01, 2.8918e-01, 1.5918e+00],  
 [1.1403e+00, 3.1492e-05, 6.5663e-02],  
 [5.1722e+01, 8.6546e-01, 1.6929e+00],  
 [1.6110e+02, 1.2591e+00, 3.5792e+00],  
 [4.4445e+01, 1.7873e-01, 2.0480e+00],  
 [1.3818e+01, 6.2027e-02, 1.0040e+00],  
 [2.8954e+00, 1.7836e-03, 2.1150e-01],  
 [1.4233e+00, 5.3473e-04, 1.3007e-01],  
 [5.3463e+01, 3.5878e-01, 1.4467e+00],  
 [2.7141e+00, 1.4572e-03, 1.7203e-01],  
 [1.6496e+01, 1.3198e-02, 1.4063e+00],  
 [1.9718e+01, 1.0763e-01, 6.9511e-01],  
 [2.9438e-02, 6.9192e-07, 4.1957e-03],  
 [1.6945e+02, 4.9995e+00, 4.2947e+00],  
 [1.3383e+02, 6.1114e-01, 3.3779e+00],  
 [1.9896e+02, 3.7458e+00, 4.9523e+00],  
 [5.8741e+01, 6.8695e-01, 2.6218e+00],  
 [1.0214e-02, 5.0810e-08, 1.5999e-03],  
 [6.8411e-02, 2.5629e-07, 8.6337e-03],  
 [8.8471e+00, 4.4218e-03, 5.4006e-01],  
 [1.0166e-01, 2.8582e-06, 1.2240e-02],  
 [3.4879e+01, 2.8652e-02, 2.0931e+00],  
 [1.1885e-01, 1.5358e-05, 1.5852e-02],  
 [2.6769e-01, 3.1259e-05, 2.6618e-02],  
 [7.0781e+00, 3.2946e-03, 2.7152e-01],  
 [1.3536e-01, 4.7891e-06, 1.4625e-02],  
 [7.3812e+01, 3.4957e-01, 3.2400e+00],

```

[1.5847e+01, 1.4071e-03, 6.3784e-01],
[3.5083e-01, 1.7203e-05, 3.5032e-02],
[4.2028e+01, 2.8357e-01, 1.7884e+00],
[1.2174e+02, 2.1956e+00, 3.3150e+00],
[1.5336e+01, 2.6923e-02, 9.4393e-01],
[3.2753e-01, 4.5746e-05, 3.0740e-02],
[3.8288e-02, 7.5730e-07, 5.2065e-03],
[2.2892e+00, 8.8039e-04, 1.7308e-01],
[6.6459e+01, 2.1191e-01, 2.0687e+00],
[4.2197e+00, 4.5172e-03, 3.2601e-01],
[2.6756e+00, 9.0909e-04, 2.4974e-01],
[8.5568e-01, 4.5542e-04, 8.8909e-02],
[2.4279e+01, 1.2763e-01, 2.1445e+00],
[5.2834e+01, 2.4569e-01, 2.4589e+00],
[3.4855e+01, 2.5783e-01, 8.7176e-01],
[4.2050e+01, 2.9733e-01, 2.0742e+00],
[4.4183e+00, 1.9158e-03, 2.0442e-01],
[1.0302e+01, 4.2166e-02, 6.8154e-01],
[3.9664e+01, 3.5390e-01, 1.3929e+00],
[7.2336e-02, 4.8085e-06, 1.0402e-02],
[3.9959e-01, 1.2404e-05, 4.9706e-02],
[3.0767e-01, 4.0867e-05, 3.8965e-02],
[1.0835e-01, 5.4306e-06, 1.2680e-02],
[1.9196e+01, 9.5607e-02, 8.8674e-01],
[8.5626e+01, 2.2632e+00, 2.2718e+00],
[3.5410e-03, 9.8286e-09, 5.5332e-04],
[3.0150e+01, 1.3526e-01, 1.6024e+00],
[2.3406e-02, 1.0168e-07, 3.5928e-03],
[7.9428e+01, 2.7285e-01, 3.3072e+00],
[5.1307e+01, 1.1991e-01, 1.6668e+00],
[1.0659e-01, 4.4243e-06, 1.4419e-02],
[1.0916e+00, 9.8540e-06, 8.2339e-02],
[1.0880e+02, 2.2261e-01, 3.1016e+00],
[1.1048e-01, 6.7645e-06, 1.4788e-02],
[6.9796e+00, 1.7661e-02, 3.4877e-01],
[9.3151e-01, 1.7302e-04, 8.4436e-02],
[1.4768e+02, 5.0163e-01, 4.2789e+00],
[1.8927e+02, 3.4517e+00, 4.5851e+00],
[9.0158e+01, 3.1471e-01, 2.6960e+00],
[1.0906e-01, 1.6364e-06, 1.2373e-02],
[1.1775e+00, 8.9109e-04, 1.6282e-01],
[3.1954e-01, 1.7180e-05, 3.0785e-02],
[2.5105e+00, 6.7282e-04, 2.2915e-01],
[2.1557e+02, 4.4873e+00, 3.6196e+00]], dtype=torch.float64)
Iteration: 190
Inputs: tensor([[4.1545e+20, 2.1401e+02, 1.3629e+01, 1.4181e+00],
[1.0297e+18, 1.5718e+02, 9.2577e+00, 7.3817e+00],
[1.2525e+20, 2.8092e+02, 9.4463e+00, 2.5056e+00],

```

```

...,
[8.6599e+18, 7.1774e+01, 1.3331e+00, 9.7594e+00],
[6.2694e+18, 4.7098e+02, 1.6197e+01, 2.5321e+00],
[1.6396e+20, 2.5154e+02, 4.7782e+00, 2.5285e+00]], dtype=torch.float64)
Target: tensor([[1.9445e+01, 2.4131e-02, 1.5858e+00],
[4.2088e-02, 1.0530e-06, 5.5493e-03],
[2.5625e+01, 3.6460e-02, 1.2991e+00],
[6.1820e-01, 8.2626e-05, 5.3055e-02],
[1.1682e+01, 6.9640e-02, 9.6259e-01],
[9.1003e+01, 9.0621e-01, 2.9422e+00],
[2.7885e+00, 5.0208e-04, 2.6473e-01],
[3.9111e+00, 2.9594e-03, 2.2963e-01],
[7.3946e+01, 2.0671e-01, 2.0141e+00],
[4.6777e-02, 1.9344e-06, 6.7897e-03],
[4.4129e+00, 3.1979e-03, 2.5465e-01],
[8.9099e-01, 4.4417e-04, 9.7799e-02],
[9.4921e-02, 3.8474e-06, 1.3613e-02],
[1.5055e+02, 4.5606e+00, 3.1516e+00],
[1.4097e+00, 3.5951e-04, 1.0079e-01],
[3.8357e+01, 2.3280e-01, 2.0705e+00],
[2.1045e-02, 2.2395e-07, 3.1324e-03],
[1.0686e+01, 2.0923e-02, 7.1101e-01],
[2.5739e+01, 1.4743e-01, 1.1281e+00],
[4.3167e+01, 5.3475e-01, 2.8992e+00],
[1.4823e-01, 3.2935e-06, 2.1490e-02],
[8.4261e-01, 2.5133e-05, 5.7728e-02],
[1.0162e+01, 4.8685e-03, 5.8990e-01],
[4.7313e+01, 6.5708e-01, 3.0477e+00],
[3.0856e+01, 1.4856e-02, 1.6198e+00],
[4.6871e-02, 1.6969e-06, 6.9881e-03],
[1.3354e+00, 3.8504e-04, 1.1933e-01],
[6.6001e+01, 2.9779e-01, 3.3345e+00],
[1.6236e+01, 5.5098e-02, 6.1597e-01],
[9.1419e-01, 1.5587e-04, 1.3424e-01],
[1.3608e-01, 7.9951e-06, 1.6407e-02],
[4.4467e+01, 1.1159e-01, 1.0734e+00],
[8.4021e+01, 7.3326e-01, 2.8847e+00],
[3.3631e+01, 1.7661e-01, 1.0160e+00],
[1.4289e+01, 2.0479e-02, 7.2446e-01],
[2.1017e+00, 6.1171e-04, 2.2113e-01],
[5.3418e-01, 6.0335e-06, 6.6025e-02],
[9.8221e-01, 1.1217e-04, 9.2651e-02],
[5.7609e+01, 1.9993e-01, 2.4830e+00],
[5.9387e+00, 5.8458e-03, 4.9792e-01],
[2.0252e+01, 7.9352e-03, 5.7548e-01],
[7.0828e+00, 7.1960e-03, 2.9479e-01],
[4.8291e+01, 5.3121e-01, 1.9485e+00],
[3.4358e+00, 2.6532e-03, 3.7841e-01],

```

[4.6003e-02, 5.3516e-07, 6.0738e-03],  
[2.6006e-01, 2.8801e-05, 3.0280e-02],  
[3.3853e+00, 1.0474e-03, 1.8031e-01],  
[5.7975e+01, 6.5674e-01, 1.9059e+00],  
[9.5090e+01, 1.0384e+00, 2.5771e+00],  
[6.0830e+01, 8.2728e-01, 1.7126e+00],  
[4.5861e+01, 3.4902e-01, 2.8074e+00],  
[2.2820e+01, 1.8690e-01, 1.1046e+00],  
[2.0230e-03, 1.4898e-09, 3.2277e-04],  
[1.7407e-02, 9.6045e-08, 2.6269e-03],  
[1.5611e+01, 3.8721e-02, 7.6956e-01],  
[1.5917e+00, 9.8034e-04, 1.6848e-01],  
[8.5606e-01, 1.2654e-04, 6.7438e-02],  
[1.0176e+01, 2.0218e-02, 8.5131e-01],  
[1.9573e+01, 2.2975e-02, 8.6695e-01],  
[7.3864e+01, 3.9824e-01, 2.4022e+00],  
[2.7799e+01, 9.5308e-02, 7.6301e-01],  
[5.8905e+01, 4.6814e-01, 1.6818e+00],  
[3.8054e+01, 2.7182e-01, 9.2195e-01],  
[4.9105e+01, 1.9160e-01, 1.8407e+00],  
[1.6251e+01, 3.6434e-02, 5.0645e-01],  
[8.2085e+00, 3.8054e-03, 3.8878e-01],  
[7.6331e-02, 2.5073e-06, 1.1171e-02],  
[2.2692e-01, 3.4993e-05, 3.0367e-02],  
[9.8053e-01, 3.8123e-04, 9.9135e-02],  
[4.0294e+00, 2.5520e-03, 3.5031e-01],  
[1.8003e+02, 5.2014e+00, 4.4132e+00],  
[3.1113e-02, 2.3621e-07, 4.3371e-03],  
[1.1782e-01, 4.7759e-07, 1.6447e-02],  
[5.9945e-01, 1.4151e-04, 5.0207e-02],  
[1.1645e+01, 2.2384e-02, 4.8286e-01],  
[2.3896e-01, 4.8804e-05, 2.9353e-02],  
[1.6601e+02, 7.0868e+00, 3.6741e+00],  
[2.1122e-03, 1.3225e-09, 3.3781e-04],  
[2.2086e+01, 5.4321e-03, 9.2140e-01],  
[4.2182e-01, 4.1216e-05, 4.6272e-02],  
[7.0190e+01, 1.2387e+00, 1.8594e+00],  
[8.8518e-02, 1.1959e-06, 1.1471e-02],  
[1.0685e+00, 3.0466e-04, 1.0717e-01],  
[8.7312e+00, 6.7253e-03, 6.1924e-01],  
[5.3388e-01, 1.2522e-04, 6.1037e-02],  
[1.0037e+00, 4.7514e-04, 1.3112e-01],  
[1.9250e+01, 1.5532e-01, 8.7466e-01],  
[7.1296e+01, 5.1009e-01, 2.3116e+00],  
[7.6680e+01, 5.4332e-01, 2.0721e+00],  
[6.9078e-01, 5.8076e-06, 6.6642e-02],  
[1.9883e+02, 2.8075e+00, 4.4839e+00],  
[4.3869e+00, 2.1942e-03, 3.5340e-01],

[4.6011e-02, 1.0922e-06, 6.2630e-03],  
 [1.5838e-02, 2.9054e-07, 2.4350e-03],  
 [5.6742e+00, 4.0395e-03, 3.9516e-01],  
 [7.4770e+00, 6.7096e-03, 5.4558e-01],  
 [1.0898e-01, 6.8377e-07, 1.4761e-02],  
 [5.7168e-02, 2.5948e-06, 7.4345e-03],  
 [3.5707e+01, 1.3226e-01, 9.3115e-01],  
 [1.8318e+00, 9.1670e-04, 1.6134e-01],  
 [1.4705e-01, 1.0647e-05, 1.6218e-02],  
 [1.8212e+02, 3.8534e+00, 4.4084e+00],  
 [6.4925e+01, 2.9035e-02, 1.9412e+00],  
 [2.0720e+01, 8.9074e-02, 7.5401e-01],  
 [6.2123e-01, 2.9651e-04, 6.7406e-02],  
 [8.1546e+00, 1.0957e-02, 4.8536e-01],  
 [7.3857e-01, 1.8940e-04, 6.5011e-02],  
 [1.4699e-01, 5.1027e-07, 1.6429e-02],  
 [7.0406e-03, 1.0206e-08, 1.0741e-03],  
 [1.0433e+02, 1.3892e+00, 1.9898e+00],  
 [1.0800e+01, 3.2143e-02, 5.5743e-01],  
 [2.1130e+01, 6.8767e-02, 7.1255e-01],  
 [4.2466e+00, 1.3935e-03, 3.0475e-01],  
 [5.7641e+00, 3.9858e-03, 5.0686e-01],  
 [4.9935e+01, 1.2081e+00, 2.5237e+00],  
 [3.3847e+00, 4.5895e-03, 2.1240e-01],  
 [2.0736e-01, 1.3768e-05, 2.7184e-02],  
 [6.3545e-04, 1.0494e-10, 1.0364e-04],  
 [7.7530e+01, 5.2627e-01, 2.2239e+00],  
 [1.4469e+02, 1.2851e+00, 4.3649e+00],  
 [1.5317e+02, 2.5572e+00, 4.0505e+00],  
 [5.6982e-02, 1.5045e-06, 7.2640e-03],  
 [3.8181e-01, 1.0894e-04, 3.8413e-02],  
 [3.7302e-01, 3.8459e-05, 4.6675e-02],  
 [1.6759e+02, 1.9682e+00, 3.0012e+00],  
 [4.6184e-01, 5.5754e-05, 3.9820e-02],  
 [3.3832e+01, 2.3332e-01, 1.2490e+00],  
 [7.7435e+01, 5.5634e-01, 1.7952e+00],  
 [2.3964e+00, 1.1954e-03, 3.1963e-01],  
 [5.3591e+01, 2.3221e-01, 2.6093e+00],  
 [4.7112e+01, 5.5467e-02, 2.0810e+00],  
 [4.5104e-01, 3.9602e-05, 3.7372e-02],  
 [8.0983e-03, 3.5119e-08, 1.2309e-03],  
 [5.4970e+01, 1.8799e-01, 3.1206e+00],  
 [2.6872e+01, 1.2759e-01, 9.0026e-01],  
 [2.0634e+01, 8.8736e-02, 8.1053e-01],  
 [1.4808e+01, 3.6012e-02, 1.3106e+00],  
 [1.1711e+01, 2.7427e-02, 4.9885e-01],  
 [5.1281e+01, 3.1372e-01, 1.6980e+00],  
 [5.3937e+01, 2.4705e-01, 1.4330e+00],

[2.8374e+01, 2.9855e-01, 1.1616e+00],  
 [7.9826e-01, 7.3581e-05, 8.9701e-02],  
 [2.4322e+00, 9.6042e-04, 1.7471e-01],  
 [7.2125e-01, 3.2445e-04, 8.0284e-02],  
 [1.7745e-03, 4.0765e-10, 2.8346e-04],  
 [2.7113e+00, 2.3018e-03, 1.8711e-01],  
 [1.0973e-02, 1.2963e-07, 1.6398e-03],  
 [4.9099e-01, 7.6464e-05, 5.5929e-02],  
 [5.2983e-01, 4.1828e-04, 7.0851e-02],  
 [3.7958e+00, 1.1656e-03, 2.2235e-01],  
 [3.1188e+00, 1.6503e-03, 1.6511e-01],  
 [1.6141e+01, 9.8725e-03, 8.5305e-01],  
 [3.3381e-03, 7.3296e-09, 5.2709e-04],  
 [9.7319e-02, 1.6831e-06, 1.3087e-02],  
 [6.5079e-01, 2.6802e-04, 7.8332e-02],  
 [1.1979e+00, 1.5155e-04, 9.1209e-02],  
 [5.8307e+01, 4.4204e-01, 2.2537e+00],  
 [3.5514e+01, 2.3527e-01, 1.6853e+00],  
 [6.8362e+01, 2.3417e-01, 3.4160e+00],  
 [1.5547e+01, 1.2980e-02, 5.2564e-01],  
 [9.9910e+00, 2.9506e-02, 7.0845e-01],  
 [1.6155e+01, 1.4442e-01, 8.1438e-01],  
 [2.1183e+02, 8.3604e-01, 4.6716e+00],  
 [2.3169e-01, 3.4609e-05, 2.5442e-02],  
 [1.4835e-01, 1.1302e-05, 2.0218e-02],  
 [3.8730e-01, 3.8490e-05, 3.7028e-02],  
 [2.7962e+00, 1.8124e-03, 1.6510e-01],  
 [7.5994e+01, 3.8804e-01, 2.2891e+00],  
 [3.6749e+01, 2.6357e-02, 1.9784e+00],  
 [1.7066e+00, 1.0383e-03, 1.7689e-01],  
 [1.2389e+01, 3.2384e-02, 8.2799e-01],  
 [9.9974e-04, 2.2177e-10, 1.6146e-04],  
 [2.2309e+01, 8.3543e-02, 1.1792e+00],  
 [4.9933e-03, 3.7594e-09, 7.7089e-04],  
 [2.2583e-01, 8.0515e-06, 2.6810e-02],  
 [5.5096e+00, 6.0451e-03, 2.6949e-01],  
 [1.3359e-01, 2.4585e-05, 1.7704e-02],  
 [4.5420e-01, 3.5229e-05, 5.8281e-02],  
 [8.7755e-01, 5.4634e-05, 6.3232e-02],  
 [1.4882e-01, 5.2792e-06, 1.6347e-02],  
 [5.7392e-01, 8.7666e-05, 5.3091e-02],  
 [4.3765e-01, 4.5555e-05, 3.5990e-02],  
 [5.3095e-03, 1.7834e-08, 8.4474e-04],  
 [1.0309e+02, 8.3923e-01, 2.5575e+00],  
 [4.5297e+00, 6.0728e-03, 2.8292e-01],  
 [5.3994e+01, 6.5794e-01, 1.3749e+00],  
 [8.2301e-02, 9.6042e-06, 1.2018e-02],  
 [4.8439e+01, 4.3074e-01, 2.8819e+00],

[3.7082e+00, 6.2370e-03, 4.2124e-01],  
 [8.8368e+01, 2.4571e+00, 2.7172e+00],  
 [7.9387e+01, 2.3054e-01, 3.4349e+00],  
 [4.8436e+01, 3.2284e-01, 1.1411e+00],  
 [2.7517e-01, 4.4686e-06, 3.2631e-02],  
 [3.0205e-02, 6.6468e-07, 4.4771e-03],  
 [3.2795e-01, 7.0097e-06, 4.3893e-02],  
 [2.8628e+01, 2.9752e-01, 1.9503e+00],  
 [4.5490e+01, 5.3631e-01, 1.6023e+00],  
 [2.1871e+01, 3.5601e-02, 5.8205e-01],  
 [3.1861e+00, 2.9452e-03, 2.4613e-01],  
 [4.3282e+00, 6.1759e-03, 4.2925e-01],  
 [1.8889e-02, 6.6782e-08, 2.8253e-03],  
 [8.4801e+00, 8.5981e-03, 5.3028e-01],  
 [5.0062e-02, 8.0911e-07, 7.3828e-03],  
 [1.3370e+02, 2.8017e+00, 3.1692e+00],  
 [2.5265e+01, 1.9817e-01, 1.7085e+00],  
 [2.6401e+00, 2.4158e-03, 1.9941e-01],  
 [1.5833e+01, 2.1760e-02, 8.7627e-01],  
 [2.4721e-01, 1.4744e-06, 2.2482e-02],  
 [2.2740e+00, 5.2437e-04, 2.7445e-01],  
 [6.4174e-01, 1.1733e-04, 4.5569e-02],  
 [7.2805e+00, 7.3942e-03, 5.8367e-01],  
 [2.0735e+01, 3.1242e-02, 8.4023e-01],  
 [4.9107e+01, 1.9436e-01, 2.1801e+00],  
 [1.0990e+02, 2.0499e+00, 2.4294e+00],  
 [7.8934e+01, 4.8902e-01, 3.2732e+00],  
 [2.7705e-01, 4.6234e-05, 2.9409e-02],  
 [4.0279e-01, 3.8567e-05, 3.9989e-02],  
 [6.3750e-01, 3.1499e-04, 8.8139e-02],  
 [3.1125e+00, 3.8181e-03, 2.4113e-01],  
 [1.3536e+01, 9.0834e-03, 5.9058e-01],  
 [1.0634e+00, 1.1884e-03, 1.2915e-01],  
 [3.8492e+01, 2.2431e-01, 1.6924e+00],  
 [1.0469e+02, 2.1516e+00, 3.5887e+00],  
 [3.5388e+01, 1.0129e-01, 8.2461e-01],  
 [7.0366e+00, 2.0462e-03, 8.3177e-01],  
 [2.6657e+00, 1.7197e-03, 1.6472e-01],  
 [9.6180e+00, 1.4114e-02, 5.8000e-01],  
 [1.8095e-01, 8.5188e-06, 2.7697e-02],  
 [9.1095e+01, 8.6949e-01, 3.4207e+00],  
 [9.5807e-01, 2.0007e-04, 1.2010e-01],  
 [1.9040e+02, 4.9307e+00, 3.6439e+00],  
 [5.0413e+01, 2.5522e-01, 2.2874e+00],  
 [2.7225e+00, 5.5336e-04, 1.9223e-01],  
 [6.5981e+01, 5.7037e-02, 1.7778e+00],  
 [2.2827e-01, 6.1286e-06, 2.9325e-02],  
 [4.9002e-01, 2.2874e-04, 6.5049e-02],

[2.0333e+01, 1.6167e-01, 8.6944e-01],  
 [1.9236e+01, 3.8277e-02, 1.2732e+00],  
 [2.8634e+02, 1.2486e+00, 5.0528e+00],  
 [8.6850e-01, 4.2212e-06, 7.2778e-02],  
 [2.0183e+00, 3.3189e-04, 1.7104e-01],  
 [2.0302e-01, 1.1403e-05, 2.2386e-02],  
 [1.3521e+01, 1.5535e-02, 4.2476e-01],  
 [3.5303e+01, 2.2973e-01, 1.0954e+00],  
 [1.0167e+02, 1.6871e+00, 2.6813e+00],  
 [3.0679e+01, 2.2071e-02, 1.1219e+00],  
 [1.3763e-01, 7.8979e-06, 1.4960e-02],  
 [1.4298e+00, 2.3199e-04, 1.2522e-01],  
 [3.6560e+00, 2.9501e-03, 2.9795e-01],  
 [1.0512e+00, 1.6308e-04, 7.4579e-02],  
 [4.2828e+01, 1.0588e-01, 1.1340e+00],  
 [2.9062e+01, 5.3385e-02, 9.5830e-01],  
 [2.4802e-03, 3.4320e-09, 3.9855e-04],  
 [1.0706e+01, 2.2062e-02, 6.8642e-01],  
 [3.1946e+00, 5.1998e-03, 2.2321e-01],  
 [1.4897e+01, 1.5237e-02, 9.0247e-01],  
 [5.0125e+00, 1.6119e-02, 4.3854e-01],  
 [2.8700e+01, 2.2165e-01, 9.1275e-01],  
 [3.1138e+01, 1.1716e-01, 1.0973e+00],  
 [8.8139e-01, 7.0505e-05, 8.4710e-02],  
 [3.0707e+01, 3.6971e-02, 1.8286e+00],  
 [2.1255e-02, 3.3653e-07, 3.3040e-03],  
 [1.0935e+00, 7.1729e-04, 9.1512e-02],  
 [2.0994e+00, 1.8901e-03, 1.3811e-01],  
 [1.3344e+02, 5.4533e-01, 4.1935e+00],  
 [4.0803e+01, 3.8642e-01, 1.6543e+00],  
 [1.9003e+01, 1.4510e-02, 9.9668e-01],  
 [7.2148e-02, 2.2378e-06, 9.2732e-03],  
 [9.0868e-03, 2.6254e-08, 1.3776e-03],  
 [8.3584e+01, 1.8509e+00, 2.2088e+00],  
 [4.3102e+00, 2.3309e-03, 4.0358e-01],  
 [2.2861e+01, 1.8505e-01, 1.0182e+00],  
 [2.0307e+02, 5.2818e+00, 4.8649e+00],  
 [2.0236e+00, 3.0002e-03, 2.4960e-01],  
 [3.4156e-03, 2.6759e-09, 5.4766e-04],  
 [1.6144e+01, 1.7926e-02, 5.6919e-01],  
 [2.1873e+00, 9.3370e-04, 1.4322e-01],  
 [9.2853e+00, 8.4127e-03, 3.1890e-01],  
 [4.8999e+01, 4.2725e-01, 1.4087e+00],  
 [3.4567e+01, 9.8432e-02, 1.9711e+00],  
 [9.6079e-02, 9.6804e-07, 1.1871e-02],  
 [1.3616e-01, 6.8599e-07, 1.6214e-02],  
 [5.9483e-03, 8.7531e-09, 9.1947e-04],  
 [1.1569e+01, 9.4539e-03, 7.2337e-01],



```

[3.1864e-01, 5.0228e-05, 3.1155e-02],
[1.8303e+01, 2.3367e-02, 6.3123e-01],
[2.5238e+01, 7.5718e-02, 1.3103e+00],
[1.1182e-02, 3.3365e-08, 1.7328e-03],
[8.1666e+00, 6.0975e-03, 6.0419e-01],
[8.9584e+01, 9.9935e-01, 3.1390e+00],
[9.5064e+01, 2.8916e+00, 3.3948e+00],
[5.0987e+00, 2.8642e-03, 3.6556e-01],
[5.0542e+01, 2.4256e-01, 1.7822e+00],
[1.7002e+02, 2.2640e+00, 3.7396e+00],
[5.4163e+00, 3.6467e-03, 3.5385e-01],
[2.2730e+01, 1.4085e-02, 1.1559e+00],
[1.3242e+00, 1.7322e-03, 1.4865e-01],
[1.4931e-01, 9.6275e-06, 1.8551e-02],
[4.9989e+00, 4.3155e-03, 3.3249e-01],
[9.6068e+00, 1.5360e-02, 5.0510e-01],
[5.8245e-03, 2.4524e-08, 9.2117e-04],
[1.6728e+01, 7.8517e-02, 1.4236e+00],
[9.3222e-01, 5.1275e-04, 1.1801e-01],
[1.9897e+02, 3.3870e+00, 4.7880e+00],
[2.2222e+02, 2.9500e+00, 4.6941e+00],
[5.7183e+01, 4.4173e-01, 2.2284e+00],
[2.5332e-01, 1.4961e-05, 2.8342e-02],
[1.0877e+01, 1.6286e-02, 4.6404e-01],
[3.1570e+00, 2.3248e-03, 2.8060e-01],
[5.1990e-02, 6.4545e-07, 7.7110e-03],
[6.0300e-02, 3.4648e-07, 8.0550e-03],
[5.8982e-03, 1.1075e-08, 9.5401e-04],
[7.0894e+01, 6.0548e-01, 1.8826e+00],
[2.4055e+00, 1.1131e-03, 2.0085e-01],
[1.7753e+00, 7.8542e-04, 1.1882e-01],
[6.8025e+01, 3.7956e-01, 1.3693e+00],
[5.7866e+00, 5.4666e-04, 2.5034e-01],
[1.0711e+00, 3.9180e-04, 1.0555e-01],
[7.1696e-01, 7.5533e-05, 7.3914e-02],
[4.4467e+01, 5.3799e-02, 1.7107e+00]], dtype=torch.float64)
Iteration: 191
Inputs: tensor([[4.1321e+20, 2.8466e+02, 8.4736e+00, 3.1318e+00],
               [5.7191e+20, 1.2956e+02, 1.4592e+01, 1.7005e+00],
               [6.0506e+19, 1.3803e+02, 8.6304e+00, 6.3242e+00],
               ...,
               [4.3517e+19, 3.2067e+02, 1.9479e+01, 5.3250e+00],
               [9.2764e+18, 4.4361e+02, 4.5660e+00, 1.5747e+00],
               [3.8705e+20, 3.2069e+02, 9.8278e+00, 8.4957e+00]], dtype=torch.float64)
Target: tensor([[7.9278e+01, 3.0887e-01, 2.8842e+00],
               [1.4283e+01, 2.1520e-02, 1.3754e+00],
               [1.4017e+01, 4.1232e-02, 7.9417e-01],
               [4.2307e+01, 4.2991e-01, 1.4584e+00],

```

[2.3374e-01, 1.1943e-05, 2.8967e-02],  
 [3.2106e-01, 1.4644e-05, 4.2774e-02],  
 [1.6038e+01, 2.6743e-02, 1.0357e+00],  
 [5.2672e+01, 1.4359e-01, 1.7068e+00],  
 [5.8663e+01, 1.0211e+00, 2.1816e+00],  
 [8.0289e-02, 6.9953e-06, 1.1489e-02],  
 [1.6786e-01, 1.1681e-05, 2.3797e-02],  
 [3.6213e+00, 2.5546e-03, 3.0624e-01],  
 [2.2213e+01, 9.0439e-02, 7.6122e-01],  
 [9.2538e+00, 1.8423e-02, 5.3770e-01],  
 [3.5194e+00, 9.2754e-03, 3.4482e-01],  
 [5.2052e-02, 5.0015e-07, 7.7902e-03],  
 [1.1716e+01, 6.7249e-02, 7.9224e-01],  
 [8.6073e-01, 6.5925e-04, 1.0372e-01],  
 [1.0653e+00, 4.9083e-04, 1.0411e-01],  
 [6.8821e+00, 8.1143e-04, 4.5587e-01],  
 [2.2257e+00, 1.1727e-04, 1.6267e-01],  
 [1.2611e+01, 3.3020e-02, 4.6895e-01],  
 [8.6263e+01, 6.0056e-01, 2.4151e+00],  
 [8.2562e+00, 7.3460e-03, 3.8658e-01],  
 [5.7947e-01, 6.6565e-06, 4.2981e-02],  
 [1.9632e+01, 5.8602e-02, 1.2753e+00],  
 [1.3353e+01, 5.0112e-04, 5.9497e-01],  
 [1.1543e+02, 9.8161e-01, 1.8981e+00],  
 [7.1839e-01, 1.0714e-05, 6.3603e-02],  
 [6.4800e+01, 2.5787e-01, 2.6304e+00],  
 [1.4260e+00, 3.8456e-04, 1.7882e-01],  
 [3.2224e+01, 4.0854e-01, 1.6277e+00],  
 [1.1750e+02, 1.3825e+00, 2.6834e+00],  
 [9.8990e+00, 1.7659e-02, 7.7750e-01],  
 [3.3209e+01, 1.6635e-01, 1.2289e+00],  
 [3.7953e+00, 4.9804e-03, 2.5013e-01],  
 [4.5837e+01, 3.9344e-01, 2.8239e+00],  
 [8.4660e+00, 1.8675e-02, 6.4317e-01],  
 [8.9189e+01, 1.7057e+00, 2.5447e+00],  
 [9.0499e+01, 1.8890e+00, 3.1296e+00],  
 [5.4080e-01, 4.8967e-05, 3.5260e-02],  
 [5.2331e+01, 4.7536e-01, 1.2684e+00],  
 [3.1259e+00, 4.7037e-04, 2.1083e-01],  
 [1.9967e+00, 6.2352e-04, 1.0071e-01],  
 [1.6823e-01, 1.0839e-06, 1.8127e-02],  
 [6.2326e-02, 4.1260e-06, 8.6729e-03],  
 [8.1442e-01, 2.0213e-04, 6.2030e-02],  
 [2.3290e+01, 1.2536e-02, 1.0801e+00],  
 [1.2144e+02, 3.0658e+00, 3.2672e+00],  
 [3.5595e+00, 5.5818e-03, 2.4712e-01],  
 [3.5999e-01, 5.8711e-05, 3.5172e-02],  
 [2.7350e-02, 3.2189e-07, 4.1129e-03],

[3.1473e+01, 1.7930e-01, 1.3167e+00],  
 [2.4737e+01, 1.1198e-01, 7.8676e-01],  
 [5.9134e+00, 1.0484e-02, 4.2350e-01],  
 [8.2472e+00, 9.1571e-03, 4.6563e-01],  
 [5.0353e+00, 3.0419e-03, 3.2853e-01],  
 [3.2654e-02, 6.0888e-07, 4.7835e-03],  
 [8.3808e-01, 1.9134e-04, 7.6229e-02],  
 [2.3743e+00, 3.5579e-03, 1.9392e-01],  
 [1.0739e+02, 1.3562e+00, 2.2593e+00],  
 [7.4448e-01, 1.1898e-04, 7.6391e-02],  
 [7.0604e-02, 5.7316e-06, 1.0558e-02],  
 [3.4613e+00, 2.1003e-03, 2.1291e-01],  
 [3.7727e+01, 3.2431e-01, 2.4074e+00],  
 [1.1822e+02, 3.5735e-01, 3.2979e+00],  
 [3.1274e+02, 1.0268e+01, 5.1832e+00],  
 [1.6667e+00, 2.8944e-04, 1.4667e-01],  
 [1.2619e+01, 3.4666e-02, 6.6179e-01],  
 [2.6645e-03, 5.0082e-09, 4.3009e-04],  
 [1.3890e-02, 2.6809e-08, 2.0783e-03],  
 [1.3016e+01, 3.4048e-03, 4.1051e-01],  
 [1.7798e+01, 4.6650e-02, 6.3605e-01],  
 [3.0542e-01, 1.1676e-05, 2.8889e-02],  
 [1.0200e-02, 4.2624e-08, 1.6067e-03],  
 [7.0510e-01, 8.7351e-05, 8.2044e-02],  
 [4.9309e+00, 2.6376e-03, 4.3876e-01],  
 [2.0499e+00, 1.1296e-03, 1.7735e-01],  
 [3.8635e-02, 6.1171e-08, 5.3286e-03],  
 [4.4537e-01, 6.9969e-05, 4.7158e-02],  
 [1.2267e+02, 5.8265e-01, 4.4613e+00],  
 [6.8296e+01, 5.5946e-01, 2.0726e+00],  
 [8.8382e-02, 2.4779e-06, 1.0450e-02],  
 [4.6196e+01, 4.0289e-01, 1.4994e+00],  
 [5.4308e-01, 6.2896e-05, 6.0828e-02],  
 [1.7328e-01, 6.5309e-06, 2.1393e-02],  
 [6.5944e+01, 2.7759e-01, 3.0272e+00],  
 [1.0214e+01, 2.6555e-02, 7.9847e-01],  
 [1.8351e+01, 4.7472e-02, 5.7579e-01],  
 [2.5593e+01, 1.7620e-01, 1.2509e+00],  
 [8.4250e-02, 1.0185e-06, 1.1764e-02],  
 [1.5070e-01, 1.0887e-05, 2.2169e-02],  
 [2.1403e+00, 7.2824e-04, 2.0446e-01],  
 [9.4920e+01, 1.8996e+00, 2.4999e+00],  
 [6.5490e+01, 4.0339e-01, 1.5561e+00],  
 [7.5099e-05, 1.2795e-12, 1.2415e-05],  
 [4.3012e-01, 1.0058e-05, 4.3696e-02],  
 [1.6760e+02, 5.6869e-01, 2.8925e+00],  
 [9.4431e-02, 2.0637e-06, 1.1390e-02],  
 [1.4128e+00, 9.7837e-04, 1.8007e-01],

[8.1255e+00, 1.0532e-02, 3.4162e-01],  
 [5.5886e-01, 6.0245e-05, 3.8791e-02],  
 [4.4207e+01, 1.7875e-01, 2.0307e+00],  
 [4.8648e+01, 2.1602e-01, 1.9601e+00],  
 [1.4324e+01, 1.8013e-02, 6.1430e-01],  
 [3.5134e+00, 5.1174e-03, 2.3376e-01],  
 [1.7119e+01, 5.9368e-02, 8.4194e-01],  
 [1.0651e+01, 9.3703e-03, 3.5351e-01],  
 [4.6717e-02, 6.0376e-07, 6.5591e-03],  
 [4.1352e+00, 8.4235e-03, 4.3006e-01],  
 [6.4872e+00, 1.0430e-02, 3.1539e-01],  
 [1.1707e+01, 7.8083e-03, 7.7380e-01],  
 [3.1754e+00, 2.0266e-04, 2.7502e-01],  
 [3.8749e+00, 1.5283e-03, 2.8706e-01],  
 [1.7791e-01, 4.3263e-06, 2.4198e-02],  
 [2.9787e+00, 3.3375e-03, 3.0335e-01],  
 [3.3027e+01, 2.5470e-01, 9.8170e-01],  
 [4.0304e+00, 1.9707e-03, 2.7098e-01],  
 [1.3444e+02, 2.1887e+00, 3.2745e+00],  
 [9.4862e-02, 2.4480e-06, 1.0961e-02],  
 [2.2595e-01, 1.8015e-05, 2.5841e-02],  
 [9.4866e+00, 4.2069e-03, 4.3875e-01],  
 [1.2371e+00, 7.9288e-04, 1.2958e-01],  
 [3.7968e+00, 3.3501e-04, 4.1488e-01],  
 [1.6506e+01, 2.0796e-02, 6.2209e-01],  
 [7.7506e+01, 1.0891e+00, 2.5654e+00],  
 [1.5274e+00, 8.3786e-04, 2.1161e-01],  
 [3.1475e-01, 2.6925e-05, 3.5569e-02],  
 [2.5866e-01, 3.7744e-06, 2.8391e-02],  
 [7.5029e+01, 1.9605e+00, 2.3883e+00],  
 [2.2909e-03, 9.2223e-10, 3.6833e-04],  
 [1.0646e-02, 6.9886e-08, 1.6146e-03],  
 [9.5866e+00, 1.8471e-02, 5.8119e-01],  
 [9.6488e-01, 4.9947e-04, 1.2675e-01],  
 [2.2396e+02, 7.7135e+00, 4.1440e+00],  
 [9.4969e-03, 2.3280e-08, 1.4716e-03],  
 [9.7798e-02, 8.1508e-07, 1.2761e-02],  
 [2.1371e-01, 3.2103e-06, 2.2827e-02],  
 [6.0740e-02, 6.9723e-07, 7.9475e-03],  
 [2.0144e+00, 2.5163e-04, 1.6038e-01],  
 [1.5439e+02, 5.1227e-01, 4.5109e+00],  
 [1.3448e+01, 5.8077e-02, 5.7975e-01],  
 [7.3322e+00, 6.8201e-03, 4.2962e-01],  
 [4.0592e-01, 5.4648e-05, 3.8376e-02],  
 [2.6621e+02, 2.3616e+00, 4.1466e+00],  
 [7.6237e+00, 6.2811e-02, 8.1364e-01],  
 [1.8181e+02, 2.1870e+00, 3.7452e+00],  
 [9.4051e+01, 2.0980e+00, 2.8792e+00],

[1.6474e-01, 5.8844e-06, 2.2405e-02],  
[1.2379e+00, 1.8048e-04, 7.7767e-02],  
[4.3509e+01, 2.6834e-01, 1.1779e+00],  
[5.4656e+01, 5.3578e-01, 2.0445e+00],  
[1.7807e-01, 1.3298e-05, 1.8509e-02],  
[5.5639e+01, 1.2431e-01, 1.3549e+00],  
[2.9364e+01, 8.9239e-02, 7.5442e-01],  
[2.2891e+00, 2.2453e-03, 2.6036e-01],  
[8.1223e+00, 3.5761e-02, 5.9007e-01],  
[1.7923e+00, 1.4073e-03, 1.7277e-01],  
[8.6141e-02, 1.7072e-06, 1.2999e-02],  
[7.9038e+00, 1.1666e-02, 5.4188e-01],  
[1.3377e-01, 1.4097e-05, 1.7414e-02],  
[3.3780e+00, 3.0582e-03, 1.8042e-01],  
[3.3096e-03, 3.1224e-09, 5.2746e-04],  
[2.5984e+01, 1.8229e-02, 1.2826e+00],  
[1.9238e-02, 2.1385e-07, 2.8613e-03],  
[7.5040e+00, 7.4652e-03, 8.6742e-01],  
[2.1376e+00, 7.3971e-04, 1.2678e-01],  
[2.2357e+01, 7.7816e-02, 1.1079e+00],  
[2.8189e+00, 3.5725e-03, 2.5249e-01],  
[1.3735e+02, 8.5569e-02, 3.7308e+00],  
[8.2620e+01, 5.0173e-01, 3.5163e+00],  
[7.7259e+00, 1.1217e-02, 8.3843e-01],  
[2.8414e-01, 3.1519e-05, 3.0223e-02],  
[2.6298e+00, 1.6671e-03, 1.8732e-01],  
[2.1885e+00, 3.9497e-04, 1.7971e-01],  
[2.2169e+01, 7.8575e-02, 1.1792e+00],  
[1.7016e+00, 1.3826e-04, 1.4189e-01],  
[1.1512e-02, 6.4520e-08, 1.7440e-03],  
[8.6660e+01, 1.7142e+00, 2.6403e+00],  
[3.0473e+01, 1.3846e-01, 9.3612e-01],  
[3.3682e-03, 1.4638e-08, 5.3349e-04],  
[6.7912e-04, 9.2784e-11, 1.1044e-04],  
[7.6154e+00, 4.7489e-03, 6.5755e-01],  
[2.5327e+01, 2.5883e-01, 1.6931e+00],  
[1.1072e-01, 1.0646e-05, 1.3328e-02],  
[1.0845e+00, 1.9634e-04, 7.2678e-02],  
[4.7511e+01, 8.2532e-02, 2.4524e+00],  
[2.1771e+02, 1.0461e+00, 3.8630e+00],  
[6.0866e+01, 1.5303e+00, 3.4475e+00],  
[2.8159e-02, 1.1894e-06, 3.9863e-03],  
[8.2640e+00, 8.3170e-04, 5.3262e-01],  
[6.7495e+00, 4.7494e-03, 3.7952e-01],  
[1.1685e+02, 2.6955e+00, 3.6954e+00],  
[5.3798e-01, 2.6162e-05, 4.7348e-02],  
[9.1598e-01, 3.7239e-04, 8.9088e-02],  
[5.2264e+01, 1.8790e-01, 1.5162e+00],

[7.9405e+01, 6.4494e-01, 3.7283e+00],  
[2.0810e+01, 7.1035e-02, 1.2397e+00],  
[1.6241e+00, 2.8193e-04, 1.5847e-01],  
[4.1880e+01, 1.9212e-01, 2.3423e+00],  
[3.1139e+00, 3.8068e-03, 3.9385e-01],  
[1.6072e+02, 2.5726e-01, 3.0623e+00],  
[4.3884e+00, 3.4026e-03, 3.0612e-01],  
[2.4377e+00, 1.4524e-03, 2.1203e-01],  
[3.0037e+01, 7.2280e-02, 1.0653e+00],  
[7.3955e+00, 2.4057e-03, 4.2063e-01],  
[7.5396e-01, 1.0192e-04, 8.9969e-02],  
[1.3739e+01, 1.1501e-02, 6.5904e-01],  
[7.3073e+01, 5.9761e-02, 2.5210e+00],  
[6.3345e+01, 1.1894e+00, 1.9192e+00],  
[2.4295e+00, 1.6966e-03, 1.4692e-01],  
[1.2000e+01, 4.2396e-02, 9.7228e-01],  
[6.0136e-01, 1.2474e-04, 6.5196e-02],  
[5.8552e+01, 1.3690e+00, 2.8927e+00],  
[9.1026e+01, 1.1337e+00, 2.0337e+00],  
[1.1834e+01, 1.1814e-02, 4.3196e-01],  
[1.9757e+00, 1.9883e-04, 1.4706e-01],  
[1.9662e+00, 3.5589e-04, 1.0779e-01],  
[1.0718e+02, 6.9957e-01, 3.2842e+00],  
[1.8636e+01, 8.5272e-03, 9.7887e-01],  
[2.9421e-01, 3.9538e-05, 2.5930e-02],  
[8.9007e+00, 4.0808e-02, 9.7983e-01],  
[2.7053e+01, 5.1812e-02, 8.5563e-01],  
[5.8487e-01, 3.2019e-05, 3.9889e-02],  
[3.9377e+01, 4.8390e-01, 2.3633e+00],  
[1.6375e+01, 9.4059e-03, 1.4710e+00],  
[1.2314e+01, 2.1478e-02, 6.8625e-01],  
[3.1372e+01, 1.7554e-02, 1.6585e+00],  
[1.3739e+02, 1.4186e+00, 3.4567e+00],  
[7.8535e-02, 2.4656e-06, 9.4507e-03],  
[3.0412e+01, 5.8967e-01, 2.2096e+00],  
[6.5969e+01, 5.9548e-01, 1.2965e+00],  
[8.5203e-01, 9.1716e-04, 9.9606e-02],  
[1.7533e-01, 1.9212e-05, 1.8107e-02],  
[1.5652e+02, 2.1621e+00, 3.5220e+00],  
[4.9716e-02, 1.8984e-06, 7.6849e-03],  
[1.8681e+00, 7.2578e-04, 1.2670e-01],  
[1.2175e+02, 5.0041e-02, 3.7524e+00],  
[1.6642e-01, 3.0651e-06, 1.9435e-02],  
[2.9351e-02, 1.0896e-07, 4.0412e-03],  
[9.6240e+00, 2.3784e-02, 6.5215e-01],  
[6.4318e+01, 1.2284e+00, 2.2880e+00],  
[1.5918e-01, 5.8370e-06, 1.9634e-02],  
[3.6851e+00, 4.6257e-04, 2.9958e-01],

[1.5155e+02, 1.9981e+00, 2.9029e+00],  
[8.3038e-01, 1.0092e-04, 8.1283e-02],  
[4.1547e+00, 6.4661e-04, 3.2535e-01],  
[2.8258e+00, 4.3939e-04, 2.1317e-01],  
[1.0785e+02, 1.9191e+00, 3.1537e+00],  
[8.0620e+01, 5.4239e-01, 2.1796e+00],  
[5.8540e+01, 4.9321e-01, 1.3186e+00],  
[1.1260e-02, 5.4482e-08, 1.7727e-03],  
[3.1750e+00, 1.0125e-03, 2.8040e-01],  
[1.2006e+02, 2.1775e+00, 4.3212e+00],  
[4.6113e+00, 1.7518e-03, 5.4882e-01],  
[1.6201e+01, 1.1661e-01, 1.1057e+00],  
[2.7700e+00, 2.0376e-03, 1.6936e-01],  
[7.8033e+01, 1.5306e+00, 3.8853e+00],  
[5.5250e+01, 9.7422e-01, 2.0258e+00],  
[2.1668e+01, 4.4271e-02, 5.5532e-01],  
[6.4278e+01, 1.2380e+00, 2.8273e+00],  
[4.8310e+01, 1.3475e-01, 1.1502e+00],  
[7.1327e-01, 6.5904e-05, 5.8000e-02],  
[1.4548e+01, 3.3740e-02, 8.8373e-01],  
[3.0140e-01, 7.8349e-05, 3.5893e-02],  
[9.5001e+00, 2.3491e-02, 8.5678e-01],  
[8.9069e-01, 1.0508e-04, 8.6236e-02],  
[6.6539e-01, 7.4133e-05, 5.8161e-02],  
[2.5445e+00, 1.1077e-04, 2.0320e-01],  
[6.4331e+01, 4.7551e-01, 2.2405e+00],  
[5.8557e+01, 7.1564e-01, 3.1908e+00],  
[8.9892e-01, 1.5073e-04, 8.2360e-02],  
[4.2887e+00, 7.9040e-04, 2.2416e-01],  
[2.7475e+01, 2.3937e-01, 1.7868e+00],  
[2.0999e+01, 1.6236e-02, 8.7342e-01],  
[5.9901e-01, 2.2060e-04, 5.9832e-02],  
[2.9379e-01, 4.2726e-05, 3.6945e-02],  
[5.4264e+01, 1.1269e-01, 2.6439e+00],  
[1.2499e+01, 2.2799e-02, 8.6308e-01],  
[6.3215e+00, 3.1347e-03, 3.8297e-01],  
[3.2873e+01, 1.7766e-01, 1.9916e+00],  
[2.5619e+00, 4.6585e-04, 1.7750e-01],  
[2.9534e+01, 2.8279e-01, 1.2924e+00],  
[1.9609e-01, 5.2051e-06, 2.5374e-02],  
[1.3137e+02, 2.5472e+00, 3.1017e+00],  
[1.4346e+02, 1.3897e+00, 2.7814e+00],  
[1.9323e+02, 3.0492e+00, 3.2742e+00],  
[9.0742e+01, 2.3220e-01, 1.8004e+00],  
[5.8070e-02, 1.5411e-06, 8.3750e-03],  
[3.4541e+00, 3.4989e-03, 2.3623e-01],  
[3.5220e-02, 1.2504e-07, 4.7558e-03],  
[5.2023e+00, 1.0601e-02, 4.7900e-01],

```

[2.8564e+00, 7.7096e-04, 1.6049e-01],
[4.7328e-03, 3.1214e-08, 7.3678e-04],
[7.1168e+01, 1.4493e-01, 2.7901e+00],
[1.5553e-02, 1.1890e-07, 2.4271e-03],
[3.4587e+01, 9.8855e-02, 2.3622e+00],
[2.8655e+01, 2.4509e-01, 9.5321e-01],
[3.8001e-01, 1.3390e-04, 4.4131e-02],
[2.2545e+01, 2.1086e-01, 2.0479e+00],
[1.0688e+00, 2.1984e-04, 8.5847e-02],
[3.4898e-01, 1.9907e-05, 4.3654e-02],
[1.6113e+01, 1.6748e-02, 1.2966e+00],
[1.2294e-01, 3.2462e-06, 1.3684e-02],
[8.5140e+01, 2.5769e-01, 2.3382e+00],
[3.6124e-01, 8.3471e-06, 3.6125e-02],
[3.7744e-02, 1.0831e-06, 5.7385e-03],
[1.1209e+02, 3.1377e+00, 3.4771e+00],
[9.9303e+01, 1.0801e+00, 3.2404e+00],
[3.2634e-01, 4.1046e-05, 4.3667e-02],
[3.4644e-01, 9.8924e-05, 3.8770e-02],
[2.1897e-01, 3.8500e-05, 2.6624e-02],
[9.4477e+00, 1.2856e-02, 3.5321e-01],
[1.5759e+02, 1.5885e+00, 3.3422e+00],
[1.0462e+02, 2.2327e+00, 3.3962e+00],
[7.2579e-01, 2.0260e-04, 6.6563e-02],
[7.8318e-03, 3.6371e-08, 1.2267e-03],
[1.1667e+01, 3.6441e-02, 6.5553e-01],
[2.8716e+00, 1.4667e-04, 1.9824e-01],
[1.2069e+02, 2.5686e+00, 3.0189e+00]], dtype=torch.float64)
Iteration: 192
Inputs: tensor([[8.2755e+20, 4.1500e+02, 7.4279e+00, 5.1596e+00],
[3.2691e+18, 2.6371e+02, 1.3239e+01, 4.0374e+00],
[9.8821e+20, 2.0028e+02, 1.9185e+01, 4.5377e+00],
...,
[2.3702e+19, 3.9380e+02, 1.6525e+01, 5.5646e+00],
[2.1924e+20, 1.7536e+02, 2.9801e+00, 3.3693e+00],
[1.9646e+19, 1.7024e+02, 1.4610e+01, 2.8761e+00]]), dtype=torch.float64)
Target: tensor([[2.1965e+02, 3.2774e+00, 4.6133e+00],
[2.3655e-01, 1.4767e-05, 2.7884e-02],
[8.1880e+01, 1.1971e+00, 4.0333e+00],
[5.1409e+00, 8.2866e-03, 2.9203e-01],
[2.9216e+01, 4.6573e-03, 8.5068e-01],
[1.4366e+02, 5.2814e+00, 3.4146e+00],
[2.9587e+01, 1.1486e-01, 1.0293e+00],
[4.4088e-01, 1.0255e-04, 5.1535e-02],
[3.5632e+01, 4.9976e-01, 2.7090e+00],
[1.3508e+00, 4.0065e-04, 1.7135e-01],
[1.1532e-01, 3.7213e-06, 1.3652e-02],
[1.7496e+00, 1.9698e-03, 2.4998e-01],

```



[1.0983e+02, 6.4160e-01, 3.0114e+00],  
 [4.0584e+01, 2.2418e-01, 1.9796e+00],  
 [9.0622e+00, 2.3285e-02, 5.1781e-01],  
 [1.2215e-01, 7.7607e-06, 1.5043e-02],  
 [1.4124e+02, 3.0164e+00, 4.7101e+00],  
 [1.1809e-02, 1.4424e-07, 1.7655e-03],  
 [9.3282e-01, 8.0482e-05, 7.1001e-02],  
 [7.4263e+00, 4.2527e-03, 3.7007e-01],  
 [3.2433e-02, 3.3597e-07, 4.5832e-03],  
 [4.8648e-01, 2.0324e-04, 6.6684e-02],  
 [2.1190e-01, 4.0085e-05, 2.6297e-02],  
 [1.3940e+00, 6.3089e-04, 9.5860e-02],  
 [2.2290e+01, 2.3955e-02, 1.3664e+00],  
 [9.9016e+00, 9.5613e-03, 3.7266e-01],  
 [1.0713e-01, 3.0569e-06, 1.5557e-02],  
 [2.4891e-01, 2.6338e-05, 2.3784e-02],  
 [2.5686e+01, 1.0160e-01, 1.1142e+00],  
 [4.2596e-01, 1.7118e-05, 3.5267e-02],  
 [1.8016e+02, 1.8929e+00, 3.2162e+00],  
 [1.0363e+00, 1.1142e-04, 1.1865e-01],  
 [1.3590e+01, 3.6860e-02, 8.3353e-01],  
 [3.1923e+00, 7.0000e-04, 2.8077e-01],  
 [1.7673e+01, 9.3462e-03, 1.4585e+00],  
 [3.7853e+01, 1.3846e-01, 2.0071e+00],  
 [6.3971e+01, 7.6306e-01, 2.5033e+00],  
 [4.7039e+01, 2.9093e-01, 2.1415e+00],  
 [2.6958e+00, 3.8355e-03, 1.9475e-01],  
 [9.7643e+01, 1.6784e+00, 3.3425e+00],  
 [3.3960e+01, 2.9883e-02, 1.8427e+00],  
 [1.1020e-01, 3.8186e-06, 1.4620e-02],  
 [4.6756e-01, 4.0596e-05, 5.6416e-02],  
 [2.6798e+00, 5.1068e-04, 1.4731e-01],  
 [1.9233e+00, 5.1580e-04, 1.8128e-01],  
 [1.5409e+01, 7.9728e-03, 1.4136e+00],  
 [3.6161e+01, 4.0434e-01, 2.1034e+00],  
 [2.9315e+00, 3.0095e-03, 2.8185e-01],  
 [1.4320e+01, 1.9492e-02, 5.3150e-01],  
 [8.3977e-02, 4.3972e-06, 1.2409e-02],  
 [4.1787e+00, 3.2652e-03, 2.8583e-01],  
 [7.7817e+01, 1.0546e+00, 2.2581e+00],  
 [5.3948e+01, 1.3759e-01, 2.0002e+00],  
 [1.7060e+01, 1.0116e-02, 5.3937e-01],  
 [1.2762e+01, 1.6613e-02, 1.0263e+00],  
 [7.1846e+00, 1.2753e-02, 3.8870e-01],  
 [6.9030e-01, 5.5690e-05, 6.9114e-02],  
 [3.4222e+00, 1.8415e-02, 4.0562e-01],  
 [3.2008e+00, 3.1232e-04, 1.4934e-01],  
 [1.4178e-02, 4.1246e-08, 2.1432e-03],

[9.1429e-03, 8.8008e-08, 1.3801e-03],  
[3.4460e+01, 2.1937e-02, 2.5886e+00],  
[1.6666e+02, 3.2464e+00, 3.3926e+00],  
[3.0504e-01, 1.9643e-06, 3.1203e-02],  
[8.1659e-01, 2.6468e-04, 7.2790e-02],  
[7.0704e+00, 5.9620e-03, 2.7219e-01],  
[3.9697e+01, 1.9653e-01, 1.8209e+00],  
[6.9934e-01, 1.1931e-04, 8.1310e-02],  
[4.5602e+01, 1.6614e-01, 2.3535e+00],  
[3.0488e-02, 1.0741e-06, 4.3052e-03],  
[1.1276e+00, 1.9518e-03, 1.4033e-01],  
[1.4523e+01, 2.8787e-02, 8.5611e-01],  
[1.8028e+01, 6.4980e-02, 9.2491e-01],  
[6.6988e+00, 6.1556e-03, 5.4268e-01],  
[1.0279e+01, 6.1803e-02, 8.0876e-01],  
[1.9901e-01, 1.6501e-06, 2.3936e-02],  
[2.7112e-02, 1.4986e-06, 4.1166e-03],  
[2.0943e+01, 1.0077e-01, 8.5128e-01],  
[1.4470e-01, 1.1484e-05, 1.6823e-02],  
[6.1779e-02, 1.0652e-06, 8.8371e-03],  
[2.7247e-01, 5.6977e-05, 3.5343e-02],  
[4.3483e-01, 9.4388e-05, 3.9576e-02],  
[6.1527e+00, 5.2994e-03, 6.2801e-01],  
[5.8334e+00, 1.6917e-03, 4.0952e-01],  
[5.2471e+01, 9.1905e-02, 2.3760e+00],  
[1.8879e+00, 3.7268e-04, 1.6819e-01],  
[1.4888e+01, 4.5163e-02, 1.1182e+00],  
[1.2074e+02, 6.9942e-01, 3.4084e+00],  
[1.4186e-01, 1.2119e-06, 1.7724e-02],  
[1.5494e+01, 4.8768e-02, 1.3585e+00],  
[4.8215e+00, 7.9062e-03, 4.5706e-01],  
[7.7442e-02, 5.5865e-07, 9.7716e-03],  
[5.7682e-02, 9.6869e-07, 8.8407e-03],  
[4.4049e+01, 2.4197e-01, 1.3340e+00],  
[2.0978e+02, 7.8572e+00, 3.9905e+00],  
[2.8045e-02, 9.6572e-07, 4.1907e-03],  
[2.3250e+01, 1.1431e-01, 7.9877e-01],  
[8.2605e-01, 5.5673e-05, 6.6492e-02],  
[3.0413e+00, 4.6461e-04, 1.9189e-01],  
[4.9581e-02, 1.8521e-06, 7.3609e-03],  
[9.0968e+00, 4.7491e-03, 6.7708e-01],  
[1.5536e+01, 3.1635e-02, 9.2825e-01],  
[8.5721e+01, 4.7596e-01, 2.5627e+00],  
[6.9006e+01, 1.3005e+00, 2.2280e+00],  
[1.2805e+01, 2.3171e-02, 5.5694e-01],  
[5.8801e+01, 1.2581e-01, 2.0284e+00],  
[3.9362e-02, 4.8282e-07, 6.1723e-03],  
[4.8053e+01, 3.2947e-01, 1.7273e+00],

[1.4371e+01, 3.7173e-02, 1.1731e+00],  
 [3.6560e+01, 7.7637e-03, 1.1892e+00],  
 [2.6474e-01, 3.4449e-05, 2.5497e-02],  
 [2.3197e-01, 4.2972e-06, 2.4798e-02],  
 [2.1061e+01, 2.0667e-01, 1.1166e+00],  
 [1.2107e+01, 2.1215e-02, 4.6467e-01],  
 [2.5413e-01, 1.8290e-05, 2.5517e-02],  
 [1.3571e+01, 3.2881e-02, 1.1943e+00],  
 [4.0448e+01, 2.6193e-01, 1.4842e+00],  
 [2.1404e+00, 6.1554e-04, 1.2029e-01],  
 [2.1479e+01, 2.0788e-02, 1.9833e+00],  
 [2.1352e+01, 1.5887e-01, 1.1984e+00],  
 [1.6127e+00, 6.0553e-04, 1.0673e-01],  
 [2.0013e+01, 6.0442e-03, 9.3276e-01],  
 [1.3445e+02, 1.9080e+00, 4.1915e+00],  
 [7.8488e-01, 2.0760e-05, 6.2567e-02],  
 [1.3786e+02, 2.1382e+00, 3.1105e+00],  
 [1.3701e+02, 2.3622e-01, 3.4952e+00],  
 [5.8989e+00, 9.9905e-03, 4.0017e-01],  
 [1.1969e+01, 9.9667e-03, 1.0377e+00],  
 [1.8536e+00, 1.7883e-03, 1.5665e-01],  
 [1.3825e+02, 1.2412e+00, 3.3986e+00],  
 [2.7057e+01, 4.7153e-02, 1.1572e+00],  
 [4.4197e+00, 7.4170e-04, 2.3878e-01],  
 [3.5288e+01, 7.0262e-02, 1.2106e+00],  
 [5.6557e+01, 4.5307e-01, 1.8674e+00],  
 [4.5099e+00, 1.3793e-02, 4.3941e-01],  
 [3.9386e+00, 4.4907e-03, 4.2490e-01],  
 [3.9493e-01, 3.5663e-06, 3.6976e-02],  
 [5.8099e-03, 6.5998e-08, 8.9868e-04],  
 [1.2190e-01, 3.0137e-06, 1.6608e-02],  
 [4.1454e+01, 9.6332e-02, 2.1195e+00],  
 [1.3898e+02, 3.8549e+00, 3.4870e+00],  
 [3.0289e+00, 2.9625e-03, 2.5563e-01],  
 [8.1018e+01, 1.2046e+00, 3.8642e+00],  
 [1.3867e+00, 8.7684e-04, 1.4945e-01],  
 [2.1043e+00, 4.9121e-04, 1.7796e-01],  
 [3.8296e+00, 6.2015e-03, 3.3235e-01],  
 [3.2995e-01, 2.2357e-05, 2.8961e-02],  
 [5.0930e+00, 3.4609e-03, 3.9118e-01],  
 [2.2398e+02, 1.0868e+01, 4.3614e+00],  
 [3.0471e+01, 1.2758e-01, 2.1786e+00],  
 [3.3399e+01, 5.4785e-01, 2.1225e+00],  
 [4.1308e-02, 9.0701e-08, 5.8081e-03],  
 [3.1710e+01, 3.8576e-01, 1.4803e+00],  
 [2.0565e+00, 3.4727e-04, 2.0968e-01],  
 [5.0024e+01, 2.2164e-01, 1.5895e+00],  
 [3.7933e-01, 8.3290e-05, 3.7242e-02],

[2.0774e+01, 1.3028e-02, 6.8909e-01],  
 [1.2192e+00, 1.2382e-05, 9.9661e-02],  
 [4.4492e+00, 1.3140e-03, 3.4592e-01],  
 [3.9807e+00, 8.3643e-03, 3.7789e-01],  
 [2.1084e+02, 4.9042e+00, 4.4771e+00],  
 [8.2541e+01, 1.1770e+00, 1.6741e+00],  
 [1.2145e+00, 2.6358e-04, 1.1034e-01],  
 [1.1298e+02, 6.0276e-01, 3.6425e+00],  
 [6.1877e-01, 1.0539e-04, 6.1913e-02],  
 [1.9039e+01, 7.2995e-02, 8.0191e-01],  
 [2.1109e+00, 5.2412e-04, 1.3181e-01],  
 [4.0472e+00, 5.1284e-03, 2.2472e-01],  
 [2.3422e+01, 1.0074e-01, 9.9162e-01],  
 [4.4628e-02, 7.9590e-07, 6.5828e-03],  
 [5.3344e-01, 1.3407e-04, 5.6203e-02],  
 [5.5976e+01, 7.7876e-02, 2.2670e+00],  
 [1.4089e+01, 4.3128e-02, 1.4096e+00],  
 [1.7438e+02, 3.1703e+00, 2.9404e+00],  
 [1.3158e+01, 5.8931e-02, 6.0247e-01],  
 [3.1789e+00, 4.7567e-03, 2.2494e-01],  
 [5.5529e-01, 1.4184e-04, 5.1827e-02],  
 [2.4956e+02, 6.9355e+00, 4.9455e+00],  
 [1.4195e-01, 1.2171e-05, 1.9429e-02],  
 [2.0521e+01, 7.7233e-02, 1.0428e+00],  
 [8.6075e+01, 1.7545e-01, 2.0653e+00],  
 [1.1602e+02, 2.3351e-01, 2.9191e+00],  
 [2.0365e+01, 1.5809e-02, 1.7811e+00],  
 [1.4418e-01, 4.9283e-06, 1.9490e-02],  
 [1.1789e+00, 8.9459e-04, 1.0735e-01],  
 [2.0885e+00, 1.3698e-03, 1.9028e-01],  
 [1.5801e+01, 5.0448e-02, 1.3713e+00],  
 [1.2193e+02, 1.8657e+00, 3.4482e+00],  
 [3.5996e-02, 1.7223e-06, 5.0635e-03],  
 [1.8738e+01, 3.5818e-02, 9.8809e-01],  
 [2.4234e+01, 1.2752e-02, 1.5719e+00],  
 [1.5055e+01, 1.9525e-02, 9.2698e-01],  
 [1.5255e+01, 3.7733e-02, 1.4488e+00],  
 [4.0926e+01, 2.8070e-01, 2.2863e+00],  
 [8.7673e+01, 2.3738e+00, 2.1657e+00],  
 [5.0081e+01, 5.0881e-01, 2.5869e+00],  
 [8.8554e+01, 1.8662e+00, 2.6831e+00],  
 [5.4022e+01, 6.3714e-01, 2.6955e+00],  
 [1.4588e+00, 7.1510e-04, 1.2517e-01],  
 [1.0355e+01, 4.1972e-02, 6.7297e-01],  
 [1.0569e-01, 2.9545e-06, 1.4902e-02],  
 [1.3958e+01, 8.4528e-02, 1.1563e+00],  
 [5.3987e-02, 8.8768e-07, 7.0662e-03],  
 [8.9226e-01, 8.0364e-05, 8.7083e-02],

[1.3246e+02, 2.9342e+00, 2.7288e+00],  
[1.9077e-01, 4.0139e-06, 2.6592e-02],  
[1.1374e+02, 9.5673e-01, 2.5818e+00],  
[2.6660e+01, 4.2237e-01, 1.6387e+00],  
[1.5808e+00, 7.8774e-04, 1.3165e-01],  
[3.0190e+01, 1.4502e-01, 2.1906e+00],  
[1.7217e+01, 6.7749e-02, 9.7203e-01],  
[1.7248e+02, 2.0042e+00, 3.9194e+00],  
[1.8426e+00, 2.2204e-03, 2.5111e-01],  
[4.6747e-01, 3.6278e-05, 5.7966e-02],  
[9.6966e+00, 3.5102e-03, 7.7518e-01],  
[1.2375e+01, 9.3641e-02, 1.2198e+00],  
[7.4112e+00, 1.7498e-02, 6.9304e-01],  
[6.1276e+00, 1.1340e-02, 3.8171e-01],  
[1.0700e+01, 1.4199e-02, 4.8258e-01],  
[5.2965e+01, 5.7135e-02, 1.6447e+00],  
[1.6748e+02, 6.2737e+00, 4.2404e+00],  
[7.1122e-01, 1.9474e-05, 5.8268e-02],  
[4.5083e-01, 1.3035e-04, 5.0552e-02],  
[1.7097e+01, 4.6499e-02, 7.3621e-01],  
[1.8047e+02, 7.5185e-01, 2.7140e+00],  
[7.2826e-01, 2.8688e-04, 6.3138e-02],  
[9.9337e+01, 6.7706e-01, 2.4355e+00],  
[2.4184e-02, 1.1966e-07, 3.5291e-03],  
[2.8933e-01, 2.4857e-06, 3.1350e-02],  
[1.1443e+01, 3.1740e-02, 8.4399e-01],  
[2.7563e-01, 2.7146e-05, 2.5578e-02],  
[4.7817e-02, 2.0601e-07, 6.3876e-03],  
[5.3363e+01, 6.0897e-01, 3.2264e+00],  
[1.6755e+02, 3.9677e+00, 4.3224e+00],  
[1.9811e+00, 7.0756e-05, 1.5489e-01],  
[3.6625e+00, 1.7846e-03, 2.5705e-01],  
[4.5875e-03, 2.1047e-08, 7.3833e-04],  
[3.0348e-01, 3.6453e-05, 2.6993e-02],  
[7.0184e-02, 4.3392e-06, 1.0024e-02],  
[2.5432e+00, 1.2485e-03, 1.9463e-01],  
[7.8223e+01, 3.7646e-01, 2.8881e+00],  
[3.9213e+00, 1.8920e-03, 1.9979e-01],  
[2.2334e+02, 8.9597e+00, 5.0384e+00],  
[6.4381e+00, 5.2483e-03, 5.9980e-01],  
[2.3237e-01, 1.5394e-06, 2.3850e-02],  
[1.4876e+01, 1.1801e-02, 5.8981e-01],  
[5.8789e-01, 4.3160e-05, 4.3045e-02],  
[4.2808e-02, 2.4372e-07, 6.3052e-03],  
[8.7982e+01, 1.1047e+00, 3.0193e+00],  
[1.4249e+01, 1.0109e-01, 1.2702e+00],  
[5.6352e+00, 2.7683e-03, 2.8166e-01],  
[2.4226e+01, 1.4495e-01, 1.2421e+00],

[2.6459e+01, 6.9603e-03, 8.6877e-01],  
 [2.9310e+01, 4.3853e-02, 1.0978e+00],  
 [1.9051e+01, 4.6452e-02, 1.7455e+00],  
 [1.3263e+01, 4.0202e-02, 6.1263e-01],  
 [2.3785e-02, 1.5623e-07, 3.3514e-03],  
 [6.2410e+00, 3.4840e-02, 5.9368e-01],  
 [1.4228e-02, 1.1673e-07, 2.0736e-03],  
 [8.8386e-02, 2.1573e-06, 1.2467e-02],  
 [2.0082e+02, 5.0985e+00, 4.5657e+00],  
 [5.3661e-01, 8.0849e-05, 5.5937e-02],  
 [2.9517e+01, 2.2425e-02, 1.1305e+00],  
 [9.8689e-03, 8.0555e-08, 1.4875e-03],  
 [9.7938e-02, 7.5525e-06, 1.1626e-02],  
 [3.9402e+01, 3.3097e-02, 1.2334e+00],  
 [8.3807e-01, 1.7004e-04, 6.4995e-02],  
 [4.3219e+01, 3.7961e-01, 1.5898e+00],  
 [8.9386e+01, 1.7033e+00, 2.1223e+00],  
 [2.5502e+00, 3.1300e-03, 1.9992e-01],  
 [4.2775e+00, 2.4996e-03, 3.6617e-01],  
 [4.8366e+01, 4.1475e-02, 1.1828e+00],  
 [2.1989e+00, 1.6743e-03, 2.7246e-01],  
 [9.7292e+01, 1.6040e+00, 3.2573e+00],  
 [3.6840e+00, 1.0880e-03, 3.6255e-01],  
 [2.3316e+01, 1.0209e-01, 9.6952e-01],  
 [6.9547e+00, 1.0417e-02, 3.4256e-01],  
 [1.1136e+01, 3.0361e-02, 6.7353e-01],  
 [1.0330e-01, 6.2772e-06, 1.2093e-02],  
 [5.6783e+00, 6.3718e-04, 3.9354e-01],  
 [2.7813e-01, 4.9881e-06, 3.2044e-02],  
 [1.1079e-01, 9.6936e-06, 1.3416e-02],  
 [2.9843e+01, 1.3312e-01, 1.8884e+00],  
 [2.8205e+00, 5.1502e-04, 2.3283e-01],  
 [1.8450e-01, 2.2220e-05, 2.2119e-02],  
 [4.7166e-01, 6.0822e-05, 5.2219e-02],  
 [2.0306e+02, 5.1471e+00, 4.8636e+00],  
 [3.2402e-01, 1.9351e-05, 4.7052e-02],  
 [4.1665e-02, 2.7065e-07, 6.3586e-03],  
 [5.6099e+01, 2.6306e-01, 2.1919e+00],  
 [6.2180e-01, 3.6238e-05, 7.8404e-02],  
 [8.5206e-01, 2.9594e-04, 7.2702e-02],  
 [2.1948e+00, 9.2275e-04, 1.4719e-01],  
 [3.1381e-02, 6.7155e-07, 4.7637e-03],  
 [4.2390e+00, 1.9909e-03, 4.4892e-01],  
 [1.3588e+02, 6.6604e-01, 3.4332e+00],  
 [1.1507e+02, 3.4366e+00, 3.2333e+00],  
 [5.5131e-01, 1.4301e-04, 5.0394e-02],  
 [2.8602e-03, 2.7283e-09, 4.5333e-04],  
 [9.4697e-02, 7.2847e-06, 1.2092e-02],

```

[1.6597e+00, 6.0777e-04, 1.5475e-01],
[6.9783e-03, 2.7644e-08, 1.1147e-03],
[2.7691e-01, 4.7245e-05, 3.0484e-02],
[1.8614e+01, 5.4166e-02, 8.0145e-01],
[1.7340e-01, 1.8195e-06, 2.0425e-02],
[1.6997e+01, 6.8293e-02, 7.5538e-01],
[2.6625e-01, 2.8638e-05, 3.2893e-02],
[1.6680e+01, 1.4227e-02, 1.4437e+00],
[2.0268e-01, 9.1216e-06, 1.9672e-02],
[8.6743e-02, 7.9478e-06, 1.3215e-02],
[9.6642e-01, 3.4231e-04, 8.8681e-02],
[1.1752e+01, 4.2307e-03, 1.0423e+00],
[1.7136e+01, 5.3738e-02, 5.4559e-01],
[3.3798e+00, 1.5526e-03, 2.4368e-01],
[5.8687e-01, 8.3360e-05, 5.3037e-02],
[2.6979e-01, 8.8709e-06, 3.2434e-02],
[2.3264e+02, 3.2447e+00, 4.3751e+00],
[8.1850e+00, 1.4207e-02, 4.5302e-01],
[5.7515e+01, 9.8963e-02, 2.0562e+00],
[1.0845e+00, 2.6299e-04, 1.2258e-01]], dtype=torch.float64)
Iteration: 193
Inputs: tensor([[1.2844e+20, 2.7158e+02, 7.0306e+00, 9.5307e+00],
               [6.7829e+18, 1.8632e+02, 1.3426e+01, 6.1153e+00],
               [8.7923e+19, 3.0048e+02, 6.0271e+00, 5.0760e+00],
               ...,
               [1.1277e+19, 2.1538e+02, 7.7485e+00, 8.0047e+00],
               [6.1374e+20, 4.6439e+01, 1.1252e+01, 9.1920e+00],
               [1.3946e+18, 3.7219e+02, 4.5761e+00, 2.0658e+00]], dtype=torch.float64)
Target: tensor([[5.7341e+01, 6.5744e-01, 1.6154e+00],
               [6.8720e-01, 1.8716e-04, 7.2712e-02],
               [3.9962e+01, 1.2345e-01, 1.2693e+00],
               [3.9151e-01, 3.9377e-06, 3.1197e-02],
               [2.5966e+00, 6.9580e-03, 3.1150e-01],
               [5.1410e+00, 5.5992e-03, 2.8827e-01],
               [1.4364e+01, 2.1311e-02, 1.1102e+00],
               [4.6890e-02, 2.4203e-07, 6.8722e-03],
               [9.5407e+01, 2.6499e-02, 1.8858e+00],
               [5.3677e+00, 7.8134e-04, 3.3844e-01],
               [1.4181e+00, 1.8416e-03, 1.6722e-01],
               [1.2055e+01, 6.5175e-03, 6.2817e-01],
               [8.5381e+00, 5.4539e-03, 5.2988e-01],
               [1.5613e+02, 1.1106e+00, 3.0750e+00],
               [2.5377e-01, 2.4056e-05, 2.7172e-02],
               [1.8914e-02, 2.3709e-07, 2.8748e-03],
               [7.1149e+00, 4.7706e-03, 4.5034e-01],
               [2.5738e-02, 3.3607e-07, 3.7636e-03],
               [3.0989e+00, 6.0000e-03, 3.1985e-01],
               [4.4790e-01, 6.6506e-05, 5.4342e-02],

```

[5.3144e+01, 7.6004e-01, 2.2137e+00],  
 [6.2543e+00, 4.7901e-03, 2.8810e-01],  
 [1.5229e-01, 1.3454e-06, 1.6719e-02],  
 [1.3209e+02, 2.1103e+00, 3.8672e+00],  
 [8.7133e+01, 1.5190e-01, 2.2824e+00],  
 [4.6800e+01, 4.8784e-01, 2.8768e+00],  
 [1.5599e+00, 4.4587e-04, 1.5073e-01],  
 [8.6605e+01, 1.0541e+00, 2.4375e+00],  
 [2.7544e+02, 6.8075e+00, 4.3974e+00],  
 [2.9768e+00, 1.4402e-03, 1.6192e-01],  
 [3.2325e+01, 8.8391e-02, 2.4011e+00],  
 [1.2779e+02, 2.3367e+00, 4.0131e+00],  
 [1.4543e-02, 1.2807e-07, 2.1928e-03],  
 [4.6603e-01, 8.0890e-05, 5.1814e-02],  
 [4.8368e+01, 3.9829e-01, 1.3119e+00],  
 [3.5987e+01, 1.9128e-01, 1.0405e+00],  
 [1.1526e+00, 2.4486e-04, 1.1789e-01],  
 [1.8153e+02, 3.2318e+00, 4.4022e+00],  
 [8.9378e+00, 6.8594e-02, 9.9942e-01],  
 [6.5753e+01, 1.3488e+00, 2.1641e+00],  
 [4.4345e+00, 3.5087e-03, 2.3363e-01],  
 [5.9803e-01, 4.2167e-05, 7.3069e-02],  
 [7.5926e-02, 2.9489e-06, 9.7130e-03],  
 [1.7455e+02, 2.2893e+00, 3.4220e+00],  
 [2.9995e-02, 5.3985e-07, 4.3493e-03],  
 [2.8789e+01, 1.5915e-01, 1.7856e+00],  
 [3.2362e-01, 1.6292e-05, 3.0116e-02],  
 [1.5014e+00, 1.5491e-04, 1.2072e-01],  
 [6.8504e-01, 6.0050e-05, 5.2602e-02],  
 [7.7115e-01, 1.8966e-04, 8.7536e-02],  
 [5.8959e+01, 7.7620e-01, 1.9936e+00],  
 [8.3228e-01, 5.9690e-05, 8.1764e-02],  
 [2.5322e+00, 1.6925e-03, 1.5036e-01],  
 [1.8515e+01, 3.1615e-02, 1.1299e+00],  
 [1.4062e-01, 6.4391e-07, 1.7379e-02],  
 [1.0428e+02, 8.1940e-01, 2.6037e+00],  
 [1.5487e+00, 2.1886e-04, 1.3077e-01],  
 [2.9887e+01, 1.0400e-01, 1.9284e+00],  
 [5.3221e+00, 8.8436e-03, 3.2781e-01],  
 [5.8928e-01, 6.1315e-05, 6.0095e-02],  
 [1.7621e+02, 2.1590e+00, 4.1266e+00],  
 [2.8186e-01, 9.4998e-06, 3.6003e-02],  
 [2.6484e+01, 9.4922e-03, 9.8800e-01],  
 [2.8855e-01, 7.2791e-05, 3.3406e-02],  
 [6.7822e-02, 7.6865e-07, 8.9920e-03],  
 [8.5848e-02, 3.2488e-06, 1.0267e-02],  
 [7.8084e+00, 4.2475e-02, 5.6083e-01],  
 [4.9917e+00, 1.2850e-03, 3.8513e-01],



[8.3710e+01, 1.2616e+00, 1.8329e+00],  
 [2.3350e+02, 3.8984e+00, 4.0374e+00],  
 [6.4471e+01, 1.6227e+00, 2.3984e+00],  
 [3.2191e-01, 2.0257e-05, 3.3718e-02],  
 [6.7441e-02, 9.4879e-08, 8.5884e-03],  
 [1.0681e-01, 7.9517e-06, 1.5762e-02],  
 [2.2736e-01, 1.4456e-05, 2.1337e-02],  
 [1.3542e+00, 7.5392e-04, 1.0217e-01],  
 [2.3074e+00, 1.6155e-03, 1.8115e-01],  
 [8.4506e+01, 6.3659e-01, 2.9085e+00],  
 [6.1526e-01, 1.2136e-04, 5.9307e-02],  
 [4.6864e+00, 1.3599e-02, 4.3034e-01],  
 [3.6637e+01, 2.3846e-01, 1.5944e+00],  
 [7.1579e+01, 4.2027e-01, 3.2050e+00],  
 [3.4323e+01, 1.0520e-01, 1.4001e+00],  
 [7.3169e-01, 1.5488e-04, 5.3769e-02],  
 [3.3116e+01, 4.9094e-01, 1.4386e+00],  
 [2.4352e+01, 1.2872e-01, 1.2523e+00],  
 [4.5465e+00, 4.0870e-03, 3.2651e-01],  
 [1.2462e+01, 1.5932e-02, 8.8799e-01],  
 [8.3950e-02, 2.1580e-06, 1.0197e-02],  
 [6.5050e+00, 3.9639e-04, 2.3192e-01],  
 [1.8393e-02, 2.1634e-07, 2.6521e-03],  
 [4.0912e+00, 1.3300e-03, 4.0446e-01],  
 [6.7031e+01, 4.3717e-01, 1.5489e+00],  
 [7.0135e+01, 5.2893e-01, 1.7450e+00],  
 [7.7924e+01, 2.1685e+00, 3.2417e+00],  
 [1.4705e+00, 1.5138e-04, 9.1372e-02],  
 [1.1106e+01, 1.3629e-02, 4.7071e-01],  
 [2.0830e+02, 2.7879e+00, 3.5387e+00],  
 [1.4542e+01, 4.5890e-02, 6.1224e-01],  
 [5.2032e-01, 2.6465e-04, 6.3768e-02],  
 [7.1543e+01, 8.1430e-01, 2.0651e+00],  
 [6.3697e+01, 1.0814e+00, 1.7199e+00],  
 [1.0366e-02, 2.2060e-08, 1.5776e-03],  
 [1.0191e+00, 3.5157e-04, 1.0267e-01],  
 [6.9652e+00, 1.2162e-02, 3.9214e-01],  
 [2.2396e+01, 1.6139e-01, 1.0354e+00],  
 [1.6622e+01, 1.8553e-02, 1.3586e+00],  
 [1.5026e+00, 3.3135e-04, 1.5826e-01],  
 [4.0409e+01, 2.5413e-01, 1.0142e+00],  
 [5.9280e-01, 3.9676e-05, 7.1798e-02],  
 [1.0305e+02, 1.4476e-01, 4.0544e+00],  
 [7.5920e+01, 5.8054e-02, 2.6130e+00],  
 [2.1962e+00, 9.0477e-04, 1.6259e-01],  
 [3.6815e+01, 7.7877e-02, 1.8059e+00],  
 [8.4992e+00, 1.2136e-02, 4.3670e-01],  
 [4.5306e-01, 9.1441e-05, 4.6792e-02],

[2.1809e+01, 1.4250e-01, 9.1731e-01],  
 [1.8341e-02, 8.3630e-08, 2.6840e-03],  
 [1.5865e+01, 3.2484e-02, 1.3732e+00],  
 [1.0886e-01, 1.0050e-05, 1.5188e-02],  
 [8.9183e-02, 9.3312e-07, 1.3071e-02],  
 [1.3708e+01, 9.8351e-02, 1.0515e+00],  
 [7.1855e+01, 1.4978e+00, 3.4290e+00],  
 [3.8875e+01, 1.1130e-01, 1.1679e+00],  
 [1.8938e-03, 1.0876e-09, 3.0166e-04],  
 [4.5558e+01, 2.9573e-01, 1.3684e+00],  
 [5.8011e+01, 2.3530e-01, 1.7933e+00],  
 [6.7614e+01, 5.1937e-01, 1.2745e+00],  
 [2.2219e+01, 5.0175e-02, 7.0678e-01],  
 [8.3736e+01, 1.2266e+00, 2.0950e+00],  
 [2.6243e-01, 2.2335e-05, 2.8791e-02],  
 [1.5753e+02, 4.5027e+00, 3.3964e+00],  
 [3.5166e+00, 3.5240e-04, 2.0091e-01],  
 [6.8761e+01, 6.3077e-01, 1.5066e+00],  
 [5.1372e+00, 2.9826e-03, 3.6909e-01],  
 [2.8200e+01, 2.4875e-02, 1.8008e+00],  
 [1.3702e+01, 1.6703e-02, 4.6263e-01],  
 [1.0068e+01, 1.0858e-02, 9.9129e-01],  
 [6.3818e-02, 2.9469e-07, 8.6568e-03],  
 [3.1524e+00, 4.6362e-04, 2.5222e-01],  
 [1.4513e+02, 3.7847e+00, 3.1908e+00],  
 [6.2845e+00, 7.1401e-03, 3.1658e-01],  
 [6.4093e+01, 3.1193e-01, 2.4726e+00],  
 [6.2059e+01, 1.0885e+00, 1.6850e+00],  
 [2.2832e+01, 1.3571e-01, 1.4363e+00],  
 [2.1528e-02, 5.7467e-07, 3.0527e-03],  
 [4.5476e+00, 3.7064e-03, 2.2224e-01],  
 [3.2092e+01, 9.1118e-02, 1.7589e+00],  
 [1.0260e+02, 1.2653e+00, 3.9715e+00],  
 [2.6214e+00, 2.5710e-03, 1.9845e-01],  
 [2.3066e+00, 2.2325e-03, 1.5270e-01],  
 [1.7896e-01, 1.2453e-06, 2.1397e-02],  
 [2.5908e+01, 7.5117e-02, 1.0938e+00],  
 [1.8218e+00, 4.1206e-04, 1.4645e-01],  
 [3.9019e+00, 3.4801e-03, 2.7739e-01],  
 [9.4853e-02, 9.2091e-06, 1.2450e-02],  
 [9.9237e+00, 9.9811e-04, 6.1484e-01],  
 [1.7608e+02, 1.4451e+00, 3.5773e+00],  
 [2.0541e-01, 5.8993e-07, 2.4872e-02],  
 [2.5790e-01, 8.1022e-06, 2.6031e-02],  
 [1.0596e+00, 7.8141e-04, 1.1518e-01],  
 [1.0922e+02, 4.8938e-01, 3.5864e+00],  
 [1.4052e+00, 8.5578e-04, 1.8888e-01],  
 [4.4283e-02, 2.2885e-06, 6.0196e-03],

[3.7052e+01, 4.5086e-01, 1.0874e+00],  
 [2.6084e+01, 1.4852e-01, 1.4741e+00],  
 [4.8162e-01, 4.2220e-05, 3.5196e-02],  
 [5.2880e-01, 1.4264e-04, 4.4123e-02],  
 [4.4278e+00, 5.6995e-04, 3.8995e-01],  
 [1.3754e+00, 2.5535e-04, 8.2945e-02],  
 [9.7100e+00, 1.8912e-03, 7.9813e-01],  
 [8.3671e+01, 1.4120e+00, 2.5642e+00],  
 [3.3619e+01, 1.7174e-01, 1.0372e+00],  
 [5.7824e+00, 6.1675e-03, 4.8390e-01],  
 [2.0725e+00, 6.7986e-04, 1.5127e-01],  
 [2.0578e+00, 8.5509e-04, 2.7006e-01],  
 [1.8804e+01, 3.5292e-02, 6.9480e-01],  
 [2.2891e-02, 2.5378e-07, 3.4709e-03],  
 [1.1117e+02, 1.1275e+00, 4.0655e+00],  
 [9.8663e-02, 8.8931e-07, 1.3973e-02],  
 [1.0139e+02, 2.1242e+00, 2.7516e+00],  
 [3.4076e+00, 1.3387e-03, 3.2342e-01],  
 [2.7666e+00, 4.7534e-04, 1.4069e-01],  
 [1.7412e+02, 5.7779e+00, 3.7773e+00],  
 [3.5431e+01, 1.0123e-01, 1.2058e+00],  
 [2.0834e+01, 3.7621e-02, 1.3236e+00],  
 [1.2556e+00, 2.7335e-04, 1.6277e-01],  
 [8.4867e+00, 1.3117e-02, 6.5969e-01],  
 [7.5195e+01, 1.3291e+00, 2.6103e+00],  
 [2.6506e-02, 1.5364e-07, 4.0188e-03],  
 [3.7293e+00, 2.0554e-03, 2.7749e-01],  
 [2.0095e+00, 2.2259e-04, 1.4977e-01],  
 [2.2647e+00, 8.7120e-04, 1.8619e-01],  
 [6.1880e+01, 9.4325e-01, 3.0951e+00],  
 [9.3008e+00, 2.2044e-02, 6.0974e-01],  
 [3.9049e+00, 1.8863e-03, 3.8077e-01],  
 [7.1897e+00, 1.7334e-02, 4.0081e-01],  
 [2.3625e+02, 1.1081e+01, 4.4823e+00],  
 [1.0334e+01, 1.4288e-03, 3.5718e-01],  
 [1.3281e+01, 4.7654e-02, 7.7384e-01],  
 [4.2266e+00, 2.8515e-03, 3.3201e-01],  
 [1.8406e+00, 3.8510e-04, 1.4880e-01],  
 [7.5422e+01, 1.6794e-01, 1.8841e+00],  
 [7.4244e+01, 1.4103e+00, 1.9531e+00],  
 [9.5302e-02, 1.8669e-06, 1.2412e-02],  
 [6.3848e-01, 1.9039e-04, 7.0588e-02],  
 [2.2270e+02, 4.4382e+00, 3.4831e+00],  
 [9.2276e-01, 8.7983e-04, 1.0085e-01],  
 [1.1360e+01, 7.9847e-03, 9.4904e-01],  
 [4.2079e+00, 3.3702e-03, 2.1473e-01],  
 [5.5089e-02, 1.3796e-06, 6.9888e-03],  
 [6.2802e+00, 1.2987e-02, 3.2906e-01],

[4.2515e+00, 1.2421e-03, 2.7235e-01],  
 [2.8234e-01, 5.1995e-07, 2.7310e-02],  
 [2.4052e+01, 5.8235e-02, 1.2488e+00],  
 [1.1663e+00, 1.4325e-04, 9.5625e-02],  
 [3.3995e+00, 5.1734e-04, 2.7038e-01],  
 [2.9410e-02, 3.7163e-08, 4.1546e-03],  
 [8.6414e-01, 1.0470e-04, 9.3385e-02],  
 [1.9637e+02, 7.5879e+00, 4.5675e+00],  
 [9.2924e-02, 8.6746e-07, 1.1622e-02],  
 [1.3393e+00, 3.2499e-04, 1.1467e-01],  
 [1.7541e+00, 3.8584e-04, 1.5901e-01],  
 [3.5758e+01, 1.5872e-01, 1.7662e+00],  
 [1.0428e-01, 4.4812e-06, 1.5204e-02],  
 [3.8362e+00, 4.2482e-03, 2.6906e-01],  
 [1.4763e+01, 2.3982e-02, 5.2934e-01],  
 [1.8641e+02, 6.0218e+00, 4.3975e+00],  
 [5.1644e+00, 5.5378e-03, 3.5304e-01],  
 [1.8299e+00, 7.6348e-04, 1.6938e-01],  
 [7.9364e+01, 1.7045e-01, 3.8065e+00],  
 [4.3454e-01, 5.4455e-05, 4.5979e-02],  
 [1.3259e-03, 9.6320e-10, 2.1461e-04],  
 [2.6368e+01, 9.2676e-02, 1.4682e+00],  
 [4.4058e-02, 8.9196e-07, 6.3252e-03],  
 [1.5205e+01, 3.2229e-02, 6.3698e-01],  
 [2.8968e-02, 2.0223e-07, 4.2481e-03],  
 [1.5132e+00, 3.0896e-04, 1.5528e-01],  
 [4.6382e+00, 1.2857e-02, 3.8377e-01],  
 [1.5647e+01, 2.9543e-02, 1.1094e+00],  
 [6.7339e-02, 5.1310e-06, 8.9522e-03],  
 [4.9830e+01, 4.8049e-01, 1.3955e+00],  
 [1.9630e+01, 6.1945e-02, 1.3871e+00],  
 [8.5920e+00, 8.0683e-03, 8.5610e-01],  
 [4.0844e+01, 2.3470e-01, 1.8326e+00],  
 [3.3407e+01, 2.4673e-01, 1.7826e+00],  
 [2.5106e+01, 4.4586e-02, 1.7005e+00],  
 [1.1358e+02, 2.7573e+00, 3.3182e+00],  
 [8.0580e+01, 1.2260e+00, 2.8327e+00],  
 [7.2065e-01, 8.7612e-05, 5.2071e-02],  
 [2.6691e-01, 2.9130e-05, 2.8289e-02],  
 [1.2610e+00, 4.7246e-04, 1.0522e-01],  
 [1.3563e+00, 1.2401e-03, 1.6469e-01],  
 [7.1293e+00, 5.3173e-03, 5.0962e-01],  
 [2.4063e+01, 5.2274e-02, 1.7340e+00],  
 [1.2098e+00, 8.0329e-04, 1.0306e-01],  
 [3.1754e+01, 6.1076e-02, 1.0056e+00],  
 [6.1690e+00, 3.5560e-03, 4.8384e-01],  
 [1.1591e-01, 6.5262e-06, 1.3690e-02],  
 [4.2828e+01, 8.4716e-01, 2.1533e+00],

[1.8148e+00, 6.4390e-04, 1.0745e-01],  
[4.1464e+00, 1.7363e-03, 2.7155e-01],  
[3.2594e+01, 1.6776e-01, 9.4610e-01],  
[9.6020e+00, 1.9111e-02, 5.6972e-01],  
[1.3188e+02, 2.8851e+00, 2.6975e+00],  
[1.2496e+00, 8.4634e-04, 1.5554e-01],  
[9.2548e-01, 3.6229e-04, 9.7233e-02],  
[6.8960e+01, 5.0406e-01, 1.3276e+00],  
[2.0259e+02, 8.2383e+00, 4.9952e+00],  
[2.8995e+00, 3.8529e-03, 2.3647e-01],  
[1.7188e+01, 1.8265e-02, 8.0195e-01],  
[1.3408e+01, 3.5117e-02, 6.8384e-01],  
[6.9025e+00, 2.0223e-03, 7.0783e-01],  
[1.3741e+02, 1.0065e+00, 3.3347e+00],  
[3.8605e-01, 8.8870e-05, 5.0573e-02],  
[1.0237e+01, 3.0924e-02, 4.6723e-01],  
[1.6390e+00, 1.7643e-04, 1.1468e-01],  
[4.8775e+01, 2.4476e-01, 1.0707e+00],  
[1.0695e+01, 7.0385e-03, 7.9269e-01],  
[3.0996e-02, 9.6623e-08, 4.4312e-03],  
[8.3420e-02, 5.1615e-06, 1.2228e-02],  
[1.3128e+01, 3.2751e-02, 7.2374e-01],  
[9.8526e+01, 3.9810e-01, 2.1716e+00],  
[1.2499e-01, 3.9820e-06, 1.5761e-02],  
[7.6685e+00, 3.0161e-02, 7.0892e-01],  
[1.4802e+00, 2.6547e-05, 1.2294e-01],  
[4.0662e+01, 6.8171e-01, 2.1338e+00],  
[2.3229e+00, 1.4750e-03, 1.6989e-01],  
[1.7061e+02, 2.4042e+00, 3.6943e+00],  
[1.2698e+02, 4.0492e+00, 3.8364e+00],  
[1.0483e+00, 2.3025e-04, 1.2464e-01],  
[2.1091e-01, 3.0717e-05, 2.3533e-02],  
[1.9808e-02, 3.2767e-08, 2.8397e-03],  
[1.5022e-01, 1.7358e-05, 2.2484e-02],  
[1.2532e+02, 3.9615e+00, 3.5804e+00],  
[5.9974e-01, 2.3720e-04, 6.2314e-02],  
[2.1397e+01, 1.0116e-01, 1.6740e+00],  
[1.4535e+02, 1.6819e+00, 3.4394e+00],  
[1.2246e+00, 3.7076e-04, 1.0587e-01],  
[4.5223e+01, 1.4434e-01, 2.8847e+00],  
[1.7431e-01, 1.3087e-05, 1.9894e-02],  
[9.1709e+00, 1.0182e-02, 5.2903e-01],  
[9.6195e+01, 6.5816e-01, 2.4983e+00],  
[5.9406e+01, 4.8350e-01, 1.4419e+00],  
[6.5741e-02, 4.2415e-06, 9.6890e-03],  
[7.1463e+01, 1.5111e-01, 3.2756e+00],  
[3.4733e+00, 2.9862e-03, 2.7008e-01],  
[2.6874e+00, 3.4319e-03, 2.7909e-01],

```

[1.1468e-01, 3.0267e-06, 1.7253e-02],
[3.6320e-01, 1.6200e-06, 2.8868e-02],
[3.8054e+00, 1.1388e-03, 4.5204e-01],
[9.0030e-01, 2.2347e-05, 8.1474e-02],
[4.9041e-01, 2.8812e-04, 6.8932e-02],
[8.1883e-02, 1.9547e-06, 1.0387e-02],
[3.9491e-01, 1.2128e-04, 4.8660e-02],
[3.5984e+00, 4.0652e-04, 1.5825e-01],
[2.1496e+00, 1.1800e-03, 2.4913e-01],
[3.4802e+00, 2.8594e-03, 2.3397e-01],
[2.7432e+01, 3.9675e-01, 2.1155e+00],
[1.7524e-01, 1.3299e-06, 1.8865e-02]], dtype=torch.float64)
Iteration: 194
Inputs: tensor([[1.1775e+19, 1.3455e+02, 1.6898e+01, 2.6322e+00],
[8.7819e+18, 5.9859e+01, 1.9701e+01, 4.5826e+00],
[1.4024e+18, 3.5226e+02, 1.1403e+01, 1.6462e+00],
...,
[1.8481e+19, 2.8859e+02, 8.7652e+00, 1.0460e+00],
[4.4415e+18, 9.3707e+01, 9.7990e+00, 4.1019e+00],
[2.3115e+18, 1.8567e+02, 1.4641e+01, 8.1904e+00]], dtype=torch.float64)
Target: tensor([[2.1027e-01, 1.3776e-05, 2.8869e-02],
[5.0139e-02, 2.0382e-06, 7.5447e-03],
[3.1447e-02, 1.1477e-07, 4.4071e-03],
[4.3981e+01, 1.5988e-01, 2.0752e+00],
[2.6723e+00, 8.9856e-04, 1.5828e-01],
[1.7403e+00, 2.5094e-03, 1.6742e-01],
[5.5767e+01, 1.0792e+00, 3.1084e+00],
[7.4279e+00, 6.6200e-03, 7.5028e-01],
[4.4335e-01, 3.6381e-05, 5.6300e-02],
[5.3669e+00, 7.9235e-03, 4.8480e-01],
[1.0460e+01, 2.6226e-02, 4.7765e-01],
[2.5146e+01, 2.0798e-01, 1.0654e+00],
[9.1935e+01, 1.7774e+00, 2.6331e+00],
[8.7805e+00, 3.7348e-02, 6.3556e-01],
[6.4379e+01, 1.0508e+00, 1.8000e+00],
[1.1110e+00, 2.5004e-04, 9.2330e-02],
[4.4596e-01, 8.2763e-05, 4.6683e-02],
[8.3031e-01, 1.0228e-04, 8.2348e-02],
[2.1308e-01, 3.7694e-05, 2.3277e-02],
[3.2834e+00, 3.6839e-04, 2.5113e-01],
[3.3197e+01, 2.0359e-01, 1.8054e+00],
[4.8591e-02, 5.9147e-07, 7.0265e-03],
[2.6988e-03, 5.1839e-10, 4.2955e-04],
[6.6048e+00, 1.0372e-02, 4.9972e-01],
[2.0072e+01, 7.4721e-02, 9.5883e-01],
[7.2502e-01, 2.9070e-04, 6.3777e-02],
[9.5773e-01, 3.5007e-05, 8.7553e-02],
[1.4006e+02, 3.0423e+00, 3.3363e+00],

```

[2.7397e-01, 1.2606e-05, 2.7461e-02],  
[1.4991e-02, 2.6888e-08, 2.2548e-03],  
[1.2354e+02, 9.3516e-01, 3.0781e+00],  
[1.2262e-02, 2.4646e-08, 1.9295e-03],  
[4.3508e+01, 2.2041e-01, 9.8540e-01],  
[5.2267e+00, 3.4906e-03, 5.8822e-01],  
[2.1993e+01, 7.0556e-02, 9.8715e-01],  
[2.3657e+01, 5.8445e-02, 7.1838e-01],  
[1.7086e+01, 5.4438e-02, 7.0518e-01],  
[5.0727e-01, 1.8331e-04, 6.6301e-02],  
[8.4361e+00, 2.4755e-02, 4.7104e-01],  
[8.7059e-01, 5.8337e-05, 9.2872e-02],  
[2.5738e+00, 1.8716e-04, 1.5117e-01],  
[4.3362e+01, 2.1461e-01, 1.5956e+00],  
[2.1131e+01, 2.9054e-02, 5.9666e-01],  
[9.6792e+01, 3.4969e+00, 3.6447e+00],  
[8.9435e-01, 1.8622e-04, 1.2489e-01],  
[1.1354e+02, 2.9891e+00, 2.6452e+00],  
[3.4078e-03, 3.3609e-09, 5.4130e-04],  
[2.7041e+00, 1.0900e-04, 1.4378e-01],  
[5.1957e+01, 9.7939e-01, 2.2250e+00],  
[5.7481e+01, 4.4578e-01, 2.4431e+00],  
[1.5427e+00, 1.8803e-04, 1.5131e-01],  
[1.2317e+02, 3.5898e-01, 4.4498e+00],  
[4.1160e+00, 7.3507e-04, 2.6781e-01],  
[1.9784e+02, 7.5007e+00, 4.7478e+00],  
[3.4167e-03, 1.6970e-09, 5.3817e-04],  
[1.3666e+00, 1.6464e-04, 1.0377e-01],  
[3.2433e+00, 1.4392e-03, 2.1994e-01],  
[1.0092e+02, 1.5397e+00, 4.2552e+00],  
[9.4414e-01, 2.6318e-05, 5.3261e-02],  
[1.3532e+01, 3.7714e-02, 6.2318e-01],  
[5.3638e+01, 3.0787e-01, 1.8726e+00],  
[1.6811e+02, 4.0249e+00, 4.7347e+00],  
[1.2027e+02, 5.1864e-01, 3.5742e+00],  
[5.4186e+00, 1.3459e-03, 2.8797e-01],  
[2.1691e+01, 4.6536e-02, 7.8009e-01],  
[1.8139e+01, 9.1581e-02, 7.6714e-01],  
[1.1260e+00, 1.2709e-04, 1.1976e-01],  
[4.7844e+01, 1.3663e-01, 2.0631e+00],  
[1.4386e+00, 6.1010e-04, 9.7162e-02],  
[7.8590e-02, 5.3165e-07, 1.1023e-02],  
[7.2276e+01, 3.1556e-01, 2.4038e+00],  
[3.5547e+01, 3.2032e-01, 1.0446e+00],  
[5.0657e-02, 7.0625e-07, 7.3701e-03],  
[5.6698e+00, 1.1215e-02, 5.5353e-01],  
[3.9491e-01, 2.8596e-05, 4.1045e-02],  
[4.1598e+00, 2.9912e-03, 4.0105e-01],

[9.2058e-03, 1.9613e-08, 1.4581e-03],  
 [6.8084e-01, 1.9954e-04, 6.6776e-02],  
 [3.4973e-01, 4.8283e-05, 3.8634e-02],  
 [1.4834e+00, 6.8972e-04, 1.0489e-01],  
 [1.7866e+00, 1.6740e-03, 1.4849e-01],  
 [1.3736e+02, 1.5725e+00, 3.1856e+00],  
 [8.0621e+00, 6.6876e-03, 7.1744e-01],  
 [2.2529e+00, 8.8168e-04, 1.2777e-01],  
 [2.1117e+00, 7.1186e-04, 1.8650e-01],  
 [1.1419e+01, 2.7643e-02, 5.4228e-01],  
 [1.7240e+02, 2.7230e+00, 3.6956e+00],  
 [1.6993e+01, 9.5926e-02, 8.4738e-01],  
 [8.9210e-01, 1.0079e-04, 8.7295e-02],  
 [2.5923e+01, 3.4669e-01, 1.7464e+00],  
 [2.2943e+01, 9.1857e-02, 1.0318e+00],  
 [9.8796e+01, 9.6140e-01, 2.8622e+00],  
 [1.2556e+02, 8.5070e-01, 3.2012e+00],  
 [4.9242e+01, 1.4883e-01, 1.4825e+00],  
 [1.4768e+02, 6.0898e+00, 3.8260e+00],  
 [7.3958e+00, 1.0388e-03, 4.1178e-01],  
 [7.1909e-01, 3.9300e-05, 6.5787e-02],  
 [6.3115e+01, 3.5544e-01, 1.8155e+00],  
 [6.0626e-01, 2.6488e-04, 7.0348e-02],  
 [4.4928e+01, 2.3978e-01, 1.2299e+00],  
 [1.2334e+01, 1.2681e-02, 1.0121e+00],  
 [1.2497e+01, 1.8455e-02, 6.4612e-01],  
 [2.4995e+01, 1.0070e-01, 1.8129e+00],  
 [7.5766e+00, 2.2323e-02, 4.1885e-01],  
 [7.0036e-02, 6.6110e-07, 9.9141e-03],  
 [4.2342e-01, 4.6347e-05, 4.0940e-02],  
 [3.1591e-02, 2.3633e-07, 4.3944e-03],  
 [3.2420e+01, 2.3427e-01, 1.3654e+00],  
 [1.1598e+01, 7.0418e-03, 7.8754e-01],  
 [5.1614e+00, 1.7776e-02, 6.1450e-01],  
 [1.6325e+02, 3.1226e+00, 4.4352e+00],  
 [2.4682e+00, 7.9951e-04, 1.8535e-01],  
 [2.9984e+01, 1.7630e-01, 1.0700e+00],  
 [2.1927e+01, 1.5008e-01, 9.5120e-01],  
 [2.0178e-01, 1.9726e-05, 2.8636e-02],  
 [3.0637e-01, 6.7174e-06, 2.9883e-02],  
 [9.8113e+00, 1.4432e-02, 3.8827e-01],  
 [1.1935e-02, 2.9059e-08, 1.7599e-03],  
 [1.0611e+01, 5.0098e-03, 3.8710e-01],  
 [1.2770e+00, 3.2488e-04, 7.9651e-02],  
 [6.7144e+01, 4.6323e-01, 1.4985e+00],  
 [3.1997e-01, 2.7422e-06, 3.2415e-02],  
 [8.3165e-01, 3.0340e-04, 6.9960e-02],  
 [3.9006e+00, 1.1905e-03, 1.9052e-01],



[7.3687e+00, 7.6698e-03, 3.9830e-01],  
[4.9303e-01, 4.9467e-06, 4.9113e-02],  
[1.6591e+02, 4.3589e+00, 4.6724e+00],  
[1.3538e+00, 1.1917e-03, 1.1528e-01],  
[2.5703e-01, 8.8459e-06, 3.4171e-02],  
[1.1332e+02, 3.7044e+00, 3.7315e+00],  
[1.8950e+01, 3.3087e-02, 9.3165e-01],  
[8.4968e+01, 8.9603e-01, 3.5812e+00],  
[4.4953e+01, 1.4447e-01, 1.1775e+00],  
[1.7945e+02, 1.8565e+00, 3.5925e+00],  
[8.5610e-01, 6.4517e-05, 7.3804e-02],  
[5.8637e-01, 3.4614e-05, 6.2003e-02],  
[5.5486e+01, 1.4198e-01, 1.9033e+00],  
[7.6408e-02, 6.0709e-06, 9.7885e-03],  
[1.1175e+02, 1.2390e+00, 4.2401e+00],  
[4.3192e+01, 1.1222e-01, 2.6393e+00],  
[2.6767e+01, 1.2372e-01, 1.3377e+00],  
[1.9131e-02, 7.9730e-08, 2.7721e-03],  
[7.2909e+00, 1.0859e-02, 4.8338e-01],  
[1.6792e+00, 1.0766e-03, 1.4327e-01],  
[1.1082e+01, 1.8610e-03, 6.1365e-01],  
[1.1222e+02, 2.1063e+00, 2.9641e+00],  
[1.5423e-01, 1.8484e-05, 1.7041e-02],  
[7.1408e-01, 9.7095e-05, 9.2892e-02],  
[7.0972e-01, 1.6033e-04, 7.4893e-02],  
[1.5719e+02, 3.5855e-01, 3.4893e+00],  
[5.2663e+01, 1.9799e-01, 1.1584e+00],  
[5.0566e+00, 1.1504e-03, 3.5498e-01],  
[1.8139e+02, 2.9830e+00, 3.6172e+00],  
[2.6871e+00, 1.5015e-03, 1.6374e-01],  
[3.5041e+01, 3.8191e-01, 1.1903e+00],  
[2.6780e+01, 2.9696e-01, 1.0382e+00],  
[2.0533e+01, 4.7755e-02, 1.4847e+00],  
[2.6578e+01, 4.7152e-02, 8.6109e-01],  
[2.4472e+02, 7.3574e+00, 4.2613e+00],  
[5.6441e+01, 4.0684e-01, 1.2372e+00],  
[7.0860e+00, 1.2324e-02, 3.6503e-01],  
[1.0960e+00, 3.4915e-05, 9.1521e-02],  
[3.1751e+01, 1.2195e-01, 1.4707e+00],  
[4.2341e+01, 3.6322e-01, 1.4588e+00],  
[5.7528e+01, 3.7353e-01, 2.4559e+00],  
[1.1060e+01, 1.7239e-02, 4.2748e-01],  
[5.6629e+00, 4.7516e-03, 3.6761e-01],  
[8.0719e+01, 3.7943e-01, 2.1815e+00],  
[3.7700e-02, 1.6816e-07, 5.2587e-03],  
[1.1413e+02, 3.8872e+00, 4.3537e+00],  
[2.6607e+02, 2.9432e+00, 4.6057e+00],  
[8.1922e+01, 3.1875e-01, 2.9895e+00],

[1.5718e+02, 4.0190e-01, 3.7728e+00],  
 [2.7514e+01, 3.5017e-02, 2.1730e+00],  
 [1.1142e+02, 1.7019e-01, 3.9660e+00],  
 [2.4912e+00, 3.4551e-03, 2.1110e-01],  
 [2.2384e-01, 1.0652e-05, 2.3401e-02],  
 [6.0490e-02, 2.5501e-06, 9.2563e-03],  
 [4.5529e+01, 6.8309e-01, 1.3940e+00],  
 [9.9576e+00, 4.3055e-02, 6.6001e-01],  
 [8.1858e+01, 3.3355e-01, 3.0587e+00],  
 [1.5393e+02, 6.6850e-01, 2.9575e+00],  
 [6.9167e+00, 5.9749e-03, 2.6194e-01],  
 [2.9782e+01, 2.3059e-01, 1.0305e+00],  
 [1.0185e+01, 5.2031e-03, 6.9730e-01],  
 [3.7091e+01, 2.2984e-01, 1.6382e+00],  
 [1.5231e+02, 5.3674e+00, 3.4376e+00],  
 [1.8271e+02, 1.6374e+00, 4.5796e+00],  
 [4.5208e+01, 6.8761e-01, 1.9918e+00],  
 [1.4610e-01, 1.1926e-05, 1.5671e-02],  
 [1.3946e-02, 1.6117e-08, 2.0809e-03],  
 [8.6390e-01, 1.0057e-04, 9.6744e-02],  
 [6.9196e-02, 1.9802e-06, 8.5851e-03],  
 [1.2488e+01, 1.6672e-02, 5.2504e-01],  
 [2.9139e-01, 2.5934e-05, 2.9436e-02],  
 [1.5746e-02, 2.0863e-07, 2.4288e-03],  
 [8.6222e+01, 5.3485e-02, 2.4490e+00],  
 [5.5121e+01, 5.4383e-01, 1.8445e+00],  
 [8.0932e+00, 1.3646e-02, 3.8694e-01],  
 [9.2507e-01, 2.3995e-04, 1.0434e-01],  
 [5.0022e+00, 6.8925e-03, 2.6095e-01],  
 [3.4208e+01, 2.3484e-01, 2.6273e+00],  
 [6.0409e-02, 4.4790e-07, 8.5062e-03],  
 [3.9441e-01, 2.9038e-05, 3.6882e-02],  
 [1.7585e+02, 1.7940e+00, 3.4789e+00],  
 [6.8835e+01, 4.1555e-01, 2.0910e+00],  
 [4.0309e+00, 9.7015e-03, 3.0839e-01],  
 [1.0788e+00, 2.0095e-05, 6.9216e-02],  
 [8.5201e-02, 2.5862e-06, 1.1071e-02],  
 [3.3069e+01, 4.9684e-01, 1.9460e+00],  
 [2.6957e+01, 5.7279e-02, 1.3731e+00],  
 [1.1767e+00, 1.9935e-03, 1.4063e-01],  
 [4.0888e+00, 8.9934e-03, 3.8001e-01],  
 [2.4709e+01, 8.1628e-02, 7.8128e-01],  
 [1.4354e+02, 2.1355e+00, 3.7957e+00],  
 [2.2956e-01, 2.8086e-05, 2.8007e-02],  
 [1.3012e+00, 2.9253e-04, 1.1695e-01],  
 [8.0805e+01, 9.3966e-02, 1.7188e+00],  
 [4.6440e-01, 7.0955e-05, 4.8729e-02],  
 [7.0074e-01, 3.6476e-05, 7.8525e-02],

[2.8040e-01, 3.3597e-05, 2.8087e-02],  
 [2.7174e+01, 1.5753e-01, 1.8272e+00],  
 [3.0419e+01, 1.4221e-01, 1.9476e+00],  
 [4.8694e+00, 2.3059e-02, 4.7398e-01],  
 [6.6405e+00, 1.2145e-02, 6.9657e-01],  
 [8.8673e-01, 1.9274e-04, 1.0231e-01],  
 [3.0728e+02, 1.7689e-01, 4.9448e+00],  
 [1.0029e+02, 2.7854e+00, 2.3629e+00],  
 [1.0017e+00, 1.1656e-04, 1.1051e-01],  
 [6.8778e-02, 1.4861e-06, 9.7447e-03],  
 [1.4289e+00, 1.2427e-03, 1.1902e-01],  
 [6.3715e+00, 9.9357e-03, 4.1377e-01],  
 [3.3757e-01, 6.5492e-05, 3.9778e-02],  
 [3.2235e+00, 1.3485e-03, 3.0267e-01],  
 [5.3382e+01, 6.7697e-01, 1.5765e+00],  
 [2.0287e+01, 6.6359e-02, 1.0157e+00],  
 [1.3124e+00, 1.9644e-04, 1.4063e-01],  
 [3.3333e+01, 2.1720e-01, 1.9184e+00],  
 [1.2627e+01, 1.2268e-02, 1.2845e+00],  
 [4.6373e-01, 6.7099e-05, 4.2195e-02],  
 [1.1173e+02, 2.0311e+00, 3.5513e+00],  
 [6.2558e-01, 4.1200e-05, 5.7701e-02],  
 [2.0475e+00, 9.2429e-04, 1.3987e-01],  
 [1.0836e+02, 1.4337e+00, 2.5544e+00],  
 [1.1757e+02, 1.0030e+00, 3.3182e+00],  
 [5.3772e+01, 1.4815e-01, 1.7475e+00],  
 [3.5582e+01, 3.8438e-02, 1.7845e+00],  
 [2.0355e+00, 8.2840e-05, 1.8830e-01],  
 [7.6576e+01, 2.3068e-01, 2.6248e+00],  
 [2.4227e+01, 2.5308e-02, 1.8893e+00],  
 [8.5913e+01, 1.7285e+00, 3.8924e+00],  
 [9.5507e+00, 1.0801e-02, 3.7806e-01],  
 [2.8556e+01, 7.2147e-02, 1.1094e+00],  
 [8.6455e+00, 6.0621e-03, 5.3881e-01],  
 [4.2326e+00, 9.9033e-03, 4.5105e-01],  
 [3.2285e+00, 1.8344e-03, 3.7786e-01],  
 [2.2450e-02, 1.5491e-07, 3.2385e-03],  
 [6.9488e-01, 4.4004e-04, 8.2335e-02],  
 [1.0557e+02, 1.8556e+00, 2.3655e+00],  
 [5.9422e+00, 1.1884e-02, 3.6586e-01],  
 [4.4954e+00, 1.5658e-03, 4.8484e-01],  
 [3.1337e+01, 2.0574e-01, 1.1962e+00],  
 [5.2389e+01, 3.5865e-01, 1.4576e+00],  
 [1.8979e-02, 1.5514e-07, 2.9706e-03],  
 [1.6851e-02, 4.1437e-08, 2.4435e-03],  
 [8.6527e-02, 2.4680e-06, 1.0655e-02],  
 [2.2175e+01, 8.6052e-02, 1.2648e+00],  
 [9.9481e+00, 5.3823e-03, 4.5419e-01],

[6.5541e+00, 1.0723e-02, 7.9427e-01],  
 [5.2151e-02, 2.3955e-06, 7.7864e-03],  
 [1.4163e+00, 8.9703e-04, 1.3985e-01],  
 [1.9653e+02, 4.4470e+00, 4.5290e+00],  
 [2.5966e+01, 4.9961e-02, 8.0527e-01],  
 [2.2760e+01, 5.6310e-02, 1.8275e+00],  
 [5.2107e-01, 1.1121e-05, 6.1779e-02],  
 [8.8570e+01, 1.0567e-01, 2.4232e+00],  
 [3.0014e+01, 1.3303e-01, 7.3964e-01],  
 [1.2562e-01, 2.0656e-06, 1.4976e-02],  
 [4.8288e+01, 8.7515e-01, 2.0209e+00],  
 [3.5267e+01, 1.1710e-01, 2.0481e+00],  
 [8.3701e+00, 5.9576e-03, 5.0812e-01],  
 [1.1789e+02, 7.2904e-01, 2.2030e+00],  
 [1.2091e+02, 5.9362e-01, 2.8572e+00],  
 [9.1314e+01, 1.7890e+00, 1.9478e+00],  
 [1.4343e+00, 8.8161e-04, 1.6835e-01],  
 [2.2587e-01, 1.1821e-05, 2.5591e-02],  
 [1.1162e+02, 2.3107e+00, 2.4045e+00],  
 [2.3177e+01, 8.0276e-03, 7.0813e-01],  
 [1.0312e-02, 2.5096e-08, 1.5820e-03],  
 [5.3382e-03, 2.1376e-09, 8.6029e-04],  
 [1.0104e+00, 4.5152e-05, 9.6980e-02],  
 [2.4240e+00, 6.7004e-03, 2.8644e-01],  
 [4.0217e+00, 3.3508e-03, 3.9072e-01],  
 [1.5142e+00, 1.2373e-03, 1.6487e-01],  
 [6.7287e+00, 4.9155e-03, 4.0995e-01],  
 [5.5877e+00, 4.2461e-03, 5.8900e-01],  
 [4.5262e+00, 5.0111e-04, 2.6859e-01],  
 [1.0686e-01, 5.8538e-06, 1.4216e-02],  
 [2.1113e+02, 1.0085e+00, 4.5942e+00],  
 [1.5684e+01, 5.6224e-02, 7.4267e-01],  
 [5.6374e-01, 2.3322e-04, 6.4100e-02],  
 [3.8541e+00, 2.8701e-03, 2.9195e-01],  
 [4.6400e+01, 2.7025e-01, 1.6843e+00],  
 [4.0933e+01, 6.6266e-02, 2.3513e+00],  
 [1.4659e+00, 7.5367e-04, 1.2773e-01],  
 [1.2010e-01, 3.0326e-06, 1.5609e-02],  
 [1.1298e+00, 1.4526e-04, 6.4275e-02],  
 [1.6655e+01, 5.5460e-02, 6.8575e-01],  
 [1.5808e-02, 1.2393e-07, 2.3074e-03],  
 [7.1702e+01, 5.8552e-01, 1.6395e+00],  
 [5.2334e+01, 5.5343e-01, 1.8962e+00],  
 [1.0438e+02, 2.1183e+00, 2.0836e+00],  
 [2.9556e+00, 3.3322e-04, 1.7168e-01],  
 [6.8720e-02, 7.5830e-07, 9.2147e-03],  
 [4.3469e+00, 4.2899e-03, 2.9371e-01],  
 [8.0673e-01, 1.4733e-04, 7.5401e-02],

```

[2.1650e+00, 1.1977e-03, 1.3136e-01],
[1.1652e+00, 5.8162e-05, 1.2851e-01],
[8.8143e-02, 2.4755e-06, 1.2280e-02],
[1.5132e-01, 1.7081e-05, 1.8354e-02]], dtype=torch.float64)
Iteration: 195
Inputs: tensor([[7.8387e+19, 2.7388e+02, 1.0965e+01, 2.7522e+00],
[4.1016e+18, 4.0663e+02, 8.3727e+00, 2.2239e+00],
[2.5759e+18, 3.0191e+02, 9.5057e+00, 9.8222e+00],
...,
[1.9141e+18, 2.2574e+02, 4.1621e+00, 6.3846e+00],
[2.9360e+18, 4.1193e+02, 1.5589e+01, 1.6126e+00],
[2.1915e+19, 3.0666e+02, 2.2070e+00, 2.1603e+00]], dtype=torch.float64)
Target: tensor([[1.6472e+01, 2.1754e-02, 9.2812e-01],
[5.8975e-01, 2.3023e-05, 5.8631e-02],
[6.8267e-01, 1.8887e-04, 5.7031e-02],
[1.2528e-01, 4.5801e-06, 1.6990e-02],
[1.3367e+00, 6.5063e-05, 1.3586e-01],
[1.4654e+01, 1.7337e-02, 6.4986e-01],
[2.3364e-01, 1.7952e-05, 2.5993e-02],
[4.9552e-01, 6.2141e-05, 3.5822e-02],
[4.3744e-01, 1.1983e-04, 5.1778e-02],
[1.4848e+00, 1.5450e-04, 1.7736e-01],
[4.3057e+01, 6.5045e-02, 1.1710e+00],
[5.2569e+00, 3.9830e-03, 3.0302e-01],
[4.2161e-01, 4.6299e-05, 4.5614e-02],
[4.9702e+00, 3.6110e-03, 4.6137e-01],
[2.0207e-01, 1.7511e-05, 2.8385e-02],
[1.3915e-01, 1.0254e-05, 1.7032e-02],
[7.7813e-01, 3.7991e-05, 7.3924e-02],
[3.3860e-01, 5.0270e-05, 2.8754e-02],
[8.9701e+01, 9.7786e-02, 2.3379e+00],
[3.1358e+00, 2.8462e-03, 3.5301e-01],
[3.9622e-02, 1.9164e-07, 5.6305e-03],
[6.6705e-01, 1.8645e-04, 5.7325e-02],
[2.8362e-02, 4.2665e-07, 4.1907e-03],
[3.3973e-01, 5.2850e-06, 3.8486e-02],
[3.8882e-02, 4.2265e-07, 5.2342e-03],
[1.4026e+00, 9.0562e-04, 1.1012e-01],
[1.2568e-01, 2.4612e-06, 1.4889e-02],
[1.9738e+00, 1.2514e-03, 1.9503e-01],
[3.5391e-01, 4.1708e-05, 3.9209e-02],
[4.5370e-01, 3.0161e-05, 4.3664e-02],
[1.4704e+02, 8.4134e-01, 4.5104e+00],
[5.9486e+00, 5.8230e-03, 6.1004e-01],
[4.6764e+00, 7.3285e-03, 4.2190e-01],
[4.7710e+01, 6.2648e-01, 1.4949e+00],
[2.6532e+00, 5.2456e-04, 1.8657e-01],
[3.4667e+00, 2.6205e-03, 1.9677e-01],

```

[1.6839e+01, 1.1936e-01, 8.7422e-01],  
[7.9090e+00, 2.5384e-03, 3.0141e-01],  
[2.1519e+01, 1.0116e-01, 7.4726e-01],  
[1.6097e-02, 1.1273e-07, 2.3615e-03],  
[1.9190e-01, 1.4835e-05, 1.8835e-02],  
[2.4393e-03, 6.7159e-09, 3.8955e-04],  
[9.4001e+01, 1.2323e+00, 2.7186e+00],  
[1.8278e+00, 1.1649e-03, 1.4122e-01],  
[6.2854e+01, 6.9766e-01, 2.4089e+00],  
[5.0054e-01, 6.7279e-05, 4.5336e-02],  
[7.9814e+00, 3.5961e-03, 4.5566e-01],  
[1.6963e+02, 3.2667e+00, 3.0560e+00],  
[1.4228e+02, 3.8260e+00, 4.0565e+00],  
[1.5391e+01, 1.0531e-01, 8.1423e-01],  
[4.1011e-03, 1.8240e-08, 6.4849e-04],  
[5.4421e+00, 1.1710e-02, 4.9800e-01],  
[1.6210e+02, 6.6828e+00, 4.6112e+00],  
[4.2264e+00, 2.2325e-03, 4.3049e-01],  
[4.9658e-02, 5.8388e-07, 6.4424e-03],  
[9.3522e+01, 7.6279e-01, 3.1733e+00],  
[5.2317e-02, 1.1669e-06, 7.6522e-03],  
[2.1363e-01, 1.1537e-05, 2.3659e-02],  
[1.6235e-02, 1.5655e-07, 2.4488e-03],  
[1.7520e+00, 2.6179e-03, 1.8576e-01],  
[5.8228e-01, 1.1177e-04, 7.0816e-02],  
[1.2350e+00, 5.2054e-06, 7.8422e-02],  
[4.4433e+01, 2.9070e-01, 1.3834e+00],  
[1.6462e+01, 2.6565e-02, 6.2500e-01],  
[2.2223e+02, 4.3605e+00, 4.4059e+00],  
[2.7378e+00, 1.2581e-03, 2.9740e-01],  
[3.8488e-01, 1.0248e-04, 3.8618e-02],  
[4.0642e+00, 9.5226e-04, 1.5865e-01],  
[7.5499e-02, 1.9060e-06, 9.1183e-03],  
[2.0943e-02, 1.0975e-07, 3.0221e-03],  
[7.1454e-02, 2.4395e-06, 1.0580e-02],  
[1.7032e-03, 6.4115e-10, 2.7609e-04],  
[4.1930e+01, 5.0705e-02, 9.8387e-01],  
[2.5081e+01, 6.8125e-02, 1.5875e+00],  
[1.4737e+00, 2.2752e-04, 1.0078e-01],  
[1.1076e+01, 7.9470e-03, 7.5252e-01],  
[3.7073e+01, 6.0623e-02, 1.7894e+00],  
[2.4557e+02, 1.1487e+00, 4.5113e+00],  
[7.0352e+00, 5.7364e-03, 4.6318e-01],  
[3.2271e+00, 5.9944e-04, 3.4593e-01],  
[1.3020e+01, 2.7566e-02, 5.6696e-01],  
[4.3083e+00, 5.2450e-03, 3.8641e-01],  
[7.0709e-01, 6.7223e-05, 5.1839e-02],  
[1.0728e+01, 2.9644e-02, 4.8906e-01],

[1.2090e+02, 1.5210e+00, 2.9988e+00],  
 [9.7993e+01, 1.0328e+00, 2.7129e+00],  
 [2.0935e+00, 1.2678e-03, 2.6616e-01],  
 [6.4992e-03, 6.7513e-08, 1.0276e-03],  
 [4.2365e+01, 3.2825e-01, 1.7820e+00],  
 [1.6948e+01, 3.3655e-02, 5.6205e-01],  
 [1.2997e+01, 3.0261e-02, 7.6751e-01],  
 [3.0043e+01, 9.0796e-02, 9.2043e-01],  
 [5.8155e+01, 2.2757e-01, 1.1960e+00],  
 [1.1863e+00, 4.1784e-04, 9.9443e-02],  
 [2.2214e+02, 1.5179e+00, 4.8961e+00],  
 [1.3116e+00, 3.5062e-04, 9.4363e-02],  
 [9.6195e-01, 1.5131e-04, 1.0019e-01],  
 [2.0168e-01, 1.3085e-05, 2.2063e-02],  
 [1.1145e+02, 2.5045e+00, 3.4219e+00],  
 [3.5158e+01, 2.2359e-01, 1.4384e+00],  
 [1.7987e-01, 5.7784e-06, 2.0838e-02],  
 [3.9342e+01, 1.3106e-01, 1.6070e+00],  
 [2.5872e-01, 1.1042e-05, 2.4149e-02],  
 [1.6466e-01, 3.1016e-06, 1.9845e-02],  
 [1.4906e+01, 1.0163e-02, 9.4595e-01],  
 [6.3365e+00, 8.4949e-03, 4.4498e-01],  
 [1.5966e-01, 9.5397e-06, 1.7164e-02],  
 [4.3868e-01, 1.4184e-04, 4.3261e-02],  
 [2.0840e+01, 9.2639e-02, 9.7584e-01],  
 [4.2574e+01, 2.1885e-02, 2.2971e+00],  
 [8.1518e+00, 1.0558e-02, 5.9108e-01],  
 [3.4413e-01, 3.1179e-05, 3.4407e-02],  
 [3.3352e+02, 1.0880e+01, 4.8749e+00],  
 [1.1600e-02, 3.7599e-08, 1.8402e-03],  
 [6.8332e+01, 1.9840e-01, 2.7614e+00],  
 [5.2081e+01, 4.4004e-02, 2.2218e+00],  
 [5.2849e-01, 2.6382e-05, 3.9490e-02],  
 [2.9851e-01, 4.6887e-05, 3.3850e-02],  
 [6.1693e+01, 2.1020e-01, 1.4230e+00],  
 [9.5985e+01, 6.0116e-01, 1.7942e+00],  
 [1.4062e+00, 1.0050e-04, 1.3104e-01],  
 [5.2084e+01, 7.7705e-01, 2.3084e+00],  
 [1.7750e+01, 4.9341e-02, 6.7309e-01],  
 [4.2348e-02, 2.4067e-06, 5.9327e-03],  
 [6.3416e-01, 1.8144e-05, 5.8635e-02],  
 [1.9230e+01, 6.6476e-02, 5.6464e-01],  
 [5.4543e+00, 1.1670e-03, 2.1537e-01],  
 [1.6978e-01, 6.5865e-06, 1.9271e-02],  
 [4.5938e-02, 3.7360e-07, 5.9861e-03],  
 [1.8966e-01, 7.8362e-06, 2.2048e-02],  
 [1.7938e+00, 4.9730e-04, 1.6105e-01],  
 [1.5867e+01, 3.4063e-02, 5.0885e-01],

[5.0619e+00, 3.2744e-03, 5.3792e-01],  
[4.2446e+01, 3.2600e-01, 1.4902e+00],  
[5.6811e+00, 5.0250e-03, 3.7053e-01],  
[5.6707e+00, 6.4467e-03, 3.6664e-01],  
[6.0874e+01, 3.6971e-01, 1.7669e+00],  
[7.8009e+01, 4.5761e-01, 2.0541e+00],  
[8.1598e-02, 5.6426e-07, 1.1681e-02],  
[2.4504e-01, 3.4710e-06, 2.8189e-02],  
[2.9890e-01, 1.0173e-05, 3.6884e-02],  
[4.9976e+00, 8.8299e-03, 5.2952e-01],  
[6.0972e+00, 2.2680e-02, 5.3254e-01],  
[1.6605e-01, 4.1263e-06, 1.8135e-02],  
[4.9549e-01, 3.8472e-05, 5.2808e-02],  
[1.5132e+00, 3.9907e-04, 1.0723e-01],  
[4.1153e+00, 4.2528e-03, 2.4790e-01],  
[1.5454e-01, 3.8721e-06, 2.1166e-02],  
[7.9626e+01, 6.7206e-01, 1.7633e+00],  
[1.8831e-02, 7.2575e-08, 2.9036e-03],  
[7.4914e+01, 1.3799e+00, 3.6962e+00],  
[7.3975e+00, 5.7808e-03, 7.5069e-01],  
[7.4012e+01, 8.7239e-01, 2.0120e+00],  
[2.2719e+00, 2.8158e-03, 2.1580e-01],  
[1.1825e-02, 1.2356e-08, 1.8538e-03],  
[6.3151e-01, 6.3391e-05, 5.9555e-02],  
[1.9744e+01, 4.2472e-02, 5.8274e-01],  
[6.6846e+01, 4.6928e-01, 3.6865e+00],  
[3.4371e+01, 2.0893e-01, 1.2471e+00],  
[6.9884e+00, 2.2243e-03, 4.3873e-01],  
[5.1761e+01, 1.6947e-02, 1.3744e+00],  
[1.3496e+02, 1.3189e-01, 3.8073e+00],  
[4.0021e+00, 2.4487e-03, 4.0837e-01],  
[2.8680e+00, 7.0722e-03, 3.1260e-01],  
[7.3527e+01, 4.2504e-01, 1.9370e+00],  
[5.0940e+01, 8.5175e-02, 2.4078e+00],  
[6.6393e+01, 6.0717e-01, 1.8283e+00],  
[6.2067e+00, 3.6590e-03, 3.2770e-01],  
[4.6393e-02, 1.2672e-06, 6.1804e-03],  
[4.5391e+00, 1.3555e-03, 4.3610e-01],  
[4.1083e+01, 1.2197e-02, 2.6708e+00],  
[5.2319e+01, 4.4994e-01, 1.2678e+00],  
[1.0902e+01, 6.4598e-03, 4.0338e-01],  
[3.0829e-02, 1.9345e-07, 4.2539e-03],  
[1.1091e+00, 5.6205e-04, 8.6609e-02],  
[6.8248e-05, 7.9632e-13, 1.1310e-05],  
[1.6542e+01, 3.3146e-02, 7.9676e-01],  
[1.9643e+01, 5.6305e-02, 1.0259e+00],  
[1.3384e-02, 6.7672e-08, 2.0715e-03],  
[8.0035e+00, 3.7817e-02, 6.7789e-01],



[7.2000e-01, 2.8934e-04, 6.6014e-02],  
[7.1205e-02, 1.0038e-06, 9.8580e-03],  
[7.6102e+01, 9.2100e-01, 2.8213e+00],  
[8.4964e-01, 7.9525e-05, 8.2069e-02],  
[2.4020e-02, 3.6780e-07, 3.4367e-03],  
[9.4542e-01, 7.0660e-05, 1.2258e-01],  
[1.0639e+02, 2.3530e+00, 2.9611e+00],  
[3.2550e+00, 1.1115e-03, 3.0266e-01],  
[8.7613e-02, 9.2428e-07, 1.1341e-02],  
[2.5134e+02, 6.2170e+00, 4.4136e+00],  
[1.4375e+00, 4.7180e-04, 1.4402e-01],  
[9.6495e+01, 8.4461e-01, 3.2409e+00],  
[1.1759e+02, 8.8511e-02, 3.8770e+00],  
[2.9013e+00, 1.5528e-03, 1.9608e-01],  
[7.1361e+01, 8.8182e-02, 2.2267e+00],  
[3.0049e+01, 3.5995e-01, 1.8630e+00],  
[2.9478e-02, 7.4967e-07, 4.4486e-03],  
[3.6789e+00, 4.0410e-03, 2.6845e-01],  
[1.6118e-01, 6.5385e-06, 2.1244e-02],  
[9.0238e+01, 5.7042e-01, 2.2377e+00],  
[1.4133e+00, 1.6248e-04, 1.0250e-01],  
[2.1917e+01, 5.4428e-02, 1.0395e+00],  
[9.8428e-01, 4.7344e-04, 9.4395e-02],  
[5.5048e+00, 3.9951e-03, 4.3989e-01],  
[4.5205e-01, 1.4898e-04, 4.9108e-02],  
[4.8921e-01, 4.9589e-05, 4.1677e-02],  
[2.6941e+00, 1.5750e-03, 2.8042e-01],  
[4.3998e+01, 8.6400e-01, 2.8789e+00],  
[2.0839e+02, 5.5306e+00, 4.1559e+00],  
[3.8686e+01, 1.9631e-01, 1.8879e+00],  
[1.2999e-01, 7.4677e-06, 1.6069e-02],  
[6.6121e+00, 1.1701e-03, 5.6350e-01],  
[6.5519e+01, 6.5948e-02, 2.6277e+00],  
[1.1343e+02, 5.5082e-01, 3.1639e+00],  
[2.9847e-03, 1.4427e-09, 4.7442e-04],  
[1.5153e+02, 2.1049e+00, 2.7964e+00],  
[8.1210e+01, 1.7135e-01, 1.7183e+00],  
[1.2145e-01, 2.9541e-06, 1.7795e-02],  
[1.7718e+00, 9.8482e-04, 1.2347e-01],  
[1.3038e+02, 2.0772e+00, 4.5238e+00],  
[6.5931e+01, 4.3999e-01, 1.5546e+00],  
[8.6890e-01, 5.1155e-04, 9.2089e-02],  
[7.8337e+01, 9.2354e-01, 2.8580e+00],  
[2.5121e-01, 1.6923e-05, 2.6191e-02],  
[1.3932e+02, 4.0802e-01, 3.9454e+00],  
[1.4477e-01, 1.8391e-05, 1.7974e-02],  
[1.8871e+01, 2.0405e-01, 1.6422e+00],  
[2.4963e+00, 1.0607e-03, 1.7547e-01],

[1.6878e-01, 2.2323e-06, 2.1238e-02],  
 [8.1755e-01, 4.5786e-04, 1.1077e-01],  
 [2.5176e+01, 1.0510e-01, 1.2310e+00],  
 [1.1235e+00, 8.7698e-04, 1.2426e-01],  
 [6.0129e+00, 6.6037e-03, 3.5354e-01],  
 [2.7546e+00, 1.9505e-03, 2.3655e-01],  
 [2.1100e+01, 1.3743e-01, 1.0116e+00],  
 [2.6527e+00, 5.1730e-03, 2.8650e-01],  
 [5.2116e+01, 3.0009e-01, 1.6845e+00],  
 [2.5252e+01, 3.6176e-02, 1.3159e+00],  
 [5.0232e+00, 9.8844e-04, 2.4520e-01],  
 [1.0383e+00, 3.3680e-04, 8.1326e-02],  
 [1.4220e+01, 1.4589e-02, 6.3860e-01],  
 [2.0520e+02, 1.0016e+01, 4.4136e+00],  
 [1.3910e-02, 1.6918e-08, 2.0688e-03],  
 [9.0850e-01, 2.0980e-04, 8.3456e-02],  
 [7.8417e+01, 3.6629e-01, 2.0400e+00],  
 [1.6981e-02, 5.0008e-08, 2.5965e-03],  
 [1.1446e+00, 2.0357e-04, 1.0451e-01],  
 [3.6576e+01, 4.0120e-01, 1.6022e+00],  
 [1.8900e+01, 5.8959e-02, 9.6827e-01],  
 [7.9581e+00, 5.7982e-03, 3.2352e-01],  
 [2.9147e+00, 1.7304e-03, 2.1265e-01],  
 [1.8626e+01, 4.3364e-02, 7.0418e-01],  
 [6.5803e+00, 1.2334e-02, 5.0163e-01],  
 [8.7705e-01, 2.2357e-04, 8.6629e-02],  
 [2.9627e+01, 1.3380e-01, 1.3348e+00],  
 [1.2420e+02, 1.9932e+00, 3.2529e+00],  
 [1.7287e+00, 7.3674e-04, 1.2481e-01],  
 [1.4472e+02, 5.6789e+00, 3.5762e+00],  
 [1.7276e+02, 6.9936e-01, 3.4635e+00],  
 [7.8500e-01, 3.0865e-04, 7.5553e-02],  
 [5.2454e-02, 4.2286e-07, 6.8504e-03],  
 [9.0279e+01, 1.1218e-01, 2.5963e+00],  
 [3.8995e+00, 8.0197e-03, 4.0579e-01],  
 [1.3822e+01, 5.2188e-02, 7.0370e-01],  
 [2.1630e+00, 5.1121e-04, 2.8121e-01],  
 [2.9584e-01, 1.3178e-05, 3.4765e-02],  
 [7.8367e+00, 8.2777e-03, 3.2054e-01],  
 [1.3072e-01, 2.6347e-06, 1.6887e-02],  
 [1.5842e+01, 1.8412e-02, 8.4613e-01],  
 [2.4687e+01, 1.9349e-01, 9.8586e-01],  
 [4.3682e+00, 1.3259e-02, 4.6950e-01],  
 [2.6416e+01, 1.2351e-01, 7.6919e-01],  
 [1.4659e+01, 3.6472e-03, 6.3312e-01],  
 [3.1527e+01, 1.0201e-01, 1.7308e+00],  
 [1.9713e+00, 9.0135e-04, 1.6277e-01],  
 [9.8930e-01, 4.2779e-04, 9.0380e-02],

```
[7.2707e-02, 1.2906e-06, 1.0051e-02],  
[5.0446e+01, 3.5219e-01, 1.3019e+00],  
[1.8343e-01, 6.3186e-06, 2.0939e-02],  
[5.1379e-01, 2.4475e-05, 5.4698e-02],  
[2.1708e+01, 1.0851e-01, 1.6753e+00],  
[6.0892e+00, 5.9214e-03, 4.0770e-01],  
[2.3140e+01, 7.8735e-02, 1.1783e+00],  
[9.3156e+00, 7.0161e-03, 3.9802e-01],  
[2.0493e+00, 2.6042e-03, 1.7162e-01],  
[4.5054e+01, 3.5981e-01, 1.7253e+00],  
[2.5002e+02, 9.2044e+00, 5.0395e+00],  
[9.4557e+01, 2.4356e-01, 3.3528e+00],  
[3.6804e+00, 1.5993e-03, 2.4233e-01],  
[1.8670e-02, 2.1979e-07, 2.6832e-03],  
[1.0945e+02, 2.3731e+00, 3.0498e+00],  
[9.6914e-01, 3.8998e-04, 8.0915e-02],  
[1.0408e+02, 1.1705e-01, 1.8357e+00],  
[4.1696e-02, 7.8942e-07, 5.7175e-03],  
[6.0003e-01, 2.3315e-05, 6.5692e-02],  
[2.3679e+01, 5.9368e-02, 1.3319e+00],  
[1.1116e+01, 7.8318e-03, 6.9818e-01],  
[6.2483e-01, 1.6805e-05, 4.0690e-02],  
[1.0210e-01, 5.9084e-06, 1.3872e-02],  
[1.3119e+02, 8.7907e-01, 4.4351e+00],  
[9.7129e-01, 8.8100e-05, 6.8380e-02],  
[8.9803e+00, 1.7473e-02, 4.9445e-01],  
[1.1279e+02, 2.3175e+00, 2.9292e+00],  
[2.5898e-01, 7.0624e-06, 3.4657e-02],  
[7.6388e+00, 5.9331e-03, 6.5909e-01],  
[3.6358e+00, 3.7791e-03, 3.6161e-01],  
[1.1767e+01, 1.7424e-02, 7.6535e-01],  
[2.9350e+00, 1.6338e-03, 2.5009e-01],  
[6.0024e-02, 1.7960e-06, 8.6959e-03],  
[5.9943e-01, 5.5653e-05, 6.1593e-02],  
[1.7472e-01, 9.0383e-06, 1.9086e-02],  
[2.0611e+00, 1.8715e-03, 2.7051e-01],  
[9.3253e+00, 2.9237e-02, 4.7149e-01],  
[7.9775e-01, 7.1033e-05, 7.3159e-02],  
[1.8103e+02, 5.6790e+00, 4.3419e+00],  
[2.3885e-03, 3.4503e-10, 3.8293e-04],  
[2.3265e-01, 2.0019e-05, 2.4549e-02],  
[3.6435e-01, 2.3248e-05, 3.4644e-02],  
[8.4976e-02, 1.0001e-06, 1.1484e-02],  
[1.1109e+01, 1.6335e-03, 4.8899e-01]], dtype=torch.float64)
```

Iteration: 196

```
Inputs: tensor([[6.7706e+19, 4.2429e+02, 1.7336e+01, 2.7533e+00],  
               [7.5448e+20, 2.2118e+02, 1.5903e+01, 2.2027e+00],  
               [5.1721e+19, 1.3881e+02, 8.4595e+00, 9.6148e+00],
```

```

...,
[2.2699e+19, 3.4532e+02, 1.5446e+01, 2.5939e+00],
[8.4497e+20, 4.7918e+02, 6.7275e+00, 6.0483e+00],
[3.6812e+18, 1.5561e+02, 1.2349e+01, 8.8373e+00]], dtype=torch.float64)
Target: tensor([[1.5619e+01, 2.8333e-02, 8.6341e-01],
[4.5841e+01, 1.8045e-01, 2.9181e+00],
[1.5052e+01, 7.8182e-02, 7.7190e-01],
[4.1703e+00, 1.0947e-03, 2.2199e-01],
[7.0631e-01, 1.9901e-04, 7.7072e-02],
[2.8743e-01, 1.8202e-05, 2.8654e-02],
[7.3211e+01, 9.5534e-01, 1.8526e+00],
[6.5701e+00, 4.5124e-03, 5.0424e-01],
[5.5695e+00, 7.7730e-03, 3.7502e-01],
[2.5975e+01, 8.3281e-02, 7.3562e-01],
[9.1773e+00, 3.1369e-02, 9.5811e-01],
[2.1121e+01, 2.7219e-02, 9.6462e-01],
[3.5503e+01, 1.9624e-01, 1.4752e+00],
[5.6817e+00, 3.9444e-03, 4.6689e-01],
[3.8677e-02, 2.3041e-07, 5.4548e-03],
[1.3354e+00, 8.6006e-04, 1.1663e-01],
[6.2061e+01, 1.1494e+00, 1.6265e+00],
[3.1777e+01, 2.8713e-01, 1.7506e+00],
[2.9913e-02, 6.7977e-07, 4.4942e-03],
[1.4267e+01, 3.1977e-02, 8.9128e-01],
[5.5332e+00, 5.9994e-03, 3.5157e-01],
[3.4564e+00, 1.7888e-03, 1.8619e-01],
[4.5554e+00, 3.9720e-03, 2.1478e-01],
[7.1757e+00, 5.1961e-04, 2.6793e-01],
[1.5785e+00, 2.2293e-04, 1.6149e-01],
[1.9359e+00, 1.4814e-03, 1.9503e-01],
[2.8823e+00, 1.8855e-03, 3.2702e-01],
[4.1317e+01, 3.0146e-01, 9.6199e-01],
[5.9254e+01, 1.9944e-02, 1.7096e+00],
[5.7162e+01, 1.3730e-01, 1.8848e+00],
[9.5549e+01, 2.3890e-01, 2.8925e+00],
[1.6731e+01, 2.4312e-02, 1.4260e+00],
[9.6688e+00, 3.0917e-03, 9.8486e-01],
[1.2489e+01, 8.1176e-03, 7.4514e-01],
[1.2171e+02, 2.0170e+00, 4.0466e+00],
[2.0612e-01, 4.6970e-05, 2.4834e-02],
[1.6272e+01, 5.2623e-02, 7.9711e-01],
[5.9037e-02, 3.1398e-06, 7.5638e-03],
[3.4214e-01, 6.8874e-05, 4.0971e-02],
[1.3840e+02, 4.3689e+00, 3.1897e+00],
[1.6426e+01, 7.2450e-02, 1.0720e+00],
[5.9530e+01, 7.8116e-01, 1.7796e+00],
[1.6940e+01, 1.6616e-02, 6.2923e-01],
[9.6554e+00, 3.8026e-02, 7.6537e-01],

```

[6.6425e-03, 5.8958e-09, 1.0478e-03],  
[9.4679e-01, 1.9578e-05, 5.8219e-02],  
[1.1234e+01, 1.7933e-02, 4.4737e-01],  
[9.2371e+00, 1.3864e-02, 5.5028e-01],  
[1.0185e+01, 3.1750e-03, 3.9910e-01],  
[3.7965e+01, 5.0541e-01, 2.4937e+00],  
[1.6536e+01, 2.1931e-02, 1.3740e+00],  
[3.6834e+01, 1.9570e-01, 1.1899e+00],  
[3.1549e+00, 1.6150e-03, 1.9110e-01],  
[1.1288e+02, 6.4962e-01, 3.8543e+00],  
[1.6175e-01, 1.6228e-05, 1.8468e-02],  
[1.1432e+01, 1.0148e-02, 3.9453e-01],  
[3.9568e-01, 2.3119e-04, 5.0322e-02],  
[3.1149e-01, 2.4682e-05, 2.8659e-02],  
[5.0950e-01, 2.6183e-05, 3.5279e-02],  
[1.3008e+00, 7.6072e-04, 1.2741e-01],  
[2.5356e+01, 4.6969e-03, 8.7407e-01],  
[1.4673e+01, 3.4980e-02, 4.8059e-01],  
[4.9429e+01, 6.0194e-01, 2.2614e+00],  
[3.7044e+00, 1.0789e-03, 3.2089e-01],  
[1.7940e-01, 1.0600e-05, 1.8091e-02],  
[3.5029e-01, 7.9761e-06, 4.9411e-02],  
[2.0692e-02, 1.3755e-07, 3.1733e-03],  
[1.6616e-01, 1.9287e-05, 1.8099e-02],  
[1.8012e+02, 3.4010e+00, 4.8488e+00],  
[8.6656e+01, 1.1864e+00, 2.4217e+00],  
[1.1002e+02, 1.2435e+00, 2.7853e+00],  
[4.2885e+00, 3.5725e-03, 2.2454e-01],  
[1.0650e+02, 1.0819e+00, 2.7804e+00],  
[1.2304e+00, 7.3822e-04, 1.0593e-01],  
[5.7927e-02, 4.4773e-06, 8.2049e-03],  
[1.1504e+00, 1.6709e-04, 6.9634e-02],  
[3.9364e+01, 3.1242e-01, 1.3156e+00],  
[1.3693e+00, 9.5352e-05, 1.0819e-01],  
[3.2853e+01, 1.8149e-01, 2.0460e+00],  
[1.3690e+02, 2.1754e+00, 2.4857e+00],  
[1.6901e-02, 3.1652e-07, 2.5409e-03],  
[1.4694e-01, 6.9801e-06, 1.8896e-02],  
[2.5029e+01, 2.7003e-01, 1.3807e+00],  
[1.0073e+01, 7.2398e-03, 8.5415e-01],  
[3.5052e+01, 4.9964e-01, 2.0041e+00],  
[6.6408e-02, 6.9512e-07, 9.5831e-03],  
[2.0699e+02, 1.2790e+01, 4.7449e+00],  
[1.2772e+02, 9.0205e-01, 3.0432e+00],  
[2.3019e+01, 1.6442e-02, 1.1608e+00],  
[1.1014e+01, 5.2128e-02, 6.8577e-01],  
[9.4565e+00, 5.0229e-02, 6.9036e-01],  
[1.4304e-01, 1.4988e-06, 1.6874e-02],

[5.1786e+00, 2.3484e-03, 4.1479e-01],  
 [6.7803e-03, 4.3265e-09, 1.0440e-03],  
 [7.5107e+01, 7.1273e-01, 3.8661e+00],  
 [5.8033e+01, 7.2090e-01, 3.3110e+00],  
 [8.3505e+01, 2.6432e-01, 2.3807e+00],  
 [1.5150e-01, 2.2706e-06, 1.8000e-02],  
 [7.5724e+00, 2.6691e-02, 7.2143e-01],  
 [4.8609e+01, 4.0142e-01, 1.6260e+00],  
 [2.8300e-01, 1.4386e-05, 3.1750e-02],  
 [4.5593e-01, 5.7501e-05, 4.7713e-02],  
 [2.0420e+01, 4.6355e-02, 1.4127e+00],  
 [3.8822e-01, 9.1513e-06, 3.3826e-02],  
 [8.2857e-01, 4.1899e-04, 8.7489e-02],  
 [1.4647e-01, 3.0083e-05, 2.0473e-02],  
 [1.1318e+01, 7.3933e-02, 1.1077e+00],  
 [1.2114e+01, 1.5543e-02, 4.6023e-01],  
 [1.2612e+00, 1.4742e-03, 1.2982e-01],  
 [8.0774e+00, 1.2968e-02, 4.2026e-01],  
 [1.8481e+01, 9.1236e-02, 9.5412e-01],  
 [4.1927e-01, 6.5397e-05, 4.7952e-02],  
 [1.9890e+01, 4.1128e-02, 7.6938e-01],  
 [5.2007e+01, 1.5104e-02, 1.7620e+00],  
 [7.6801e+01, 1.7458e+00, 3.3857e+00],  
 [6.6035e+01, 5.8275e-01, 3.5180e+00],  
 [3.8433e+01, 4.2176e-01, 1.6646e+00],  
 [3.5267e+01, 3.4385e-01, 1.1229e+00],  
 [8.9588e+01, 6.1302e-01, 2.8572e+00],  
 [8.9649e+01, 7.3909e-01, 1.7188e+00],  
 [7.8941e+00, 3.2545e-02, 8.8283e-01],  
 [6.4135e-02, 3.0196e-06, 8.9798e-03],  
 [5.4259e+01, 6.0638e-02, 1.2230e+00],  
 [4.1300e-02, 7.9419e-07, 6.4121e-03],  
 [4.1155e+00, 4.7693e-03, 3.2359e-01],  
 [1.5064e+01, 2.0022e-02, 4.9716e-01],  
 [1.2578e+01, 4.9312e-02, 1.1781e+00],  
 [1.8460e+01, 9.3370e-02, 1.1157e+00],  
 [4.4537e+00, 2.2086e-03, 2.8594e-01],  
 [8.5931e-01, 5.2279e-04, 9.7198e-02],  
 [2.4018e+01, 1.0264e-01, 1.6478e+00],  
 [2.3791e+00, 5.5102e-04, 1.2923e-01],  
 [2.8602e-02, 2.2631e-07, 4.0481e-03],  
 [1.0450e+01, 4.1633e-02, 6.8021e-01],  
 [1.0523e+01, 1.8515e-03, 6.0566e-01],  
 [9.0425e-01, 3.7738e-04, 9.9821e-02],  
 [1.1438e+01, 2.1520e-02, 4.6154e-01],  
 [2.8160e+00, 1.1180e-03, 1.9951e-01],  
 [3.6019e+00, 1.3053e-03, 3.3894e-01],  
 [1.0695e+02, 6.4454e-01, 3.2033e+00],

[1.8849e+02, 8.8093e+00, 3.8190e+00],  
[7.8622e-01, 1.6853e-04, 6.4328e-02],  
[2.0754e+00, 9.7245e-04, 2.2796e-01],  
[6.9908e-01, 1.6065e-04, 5.7977e-02],  
[1.1669e+00, 1.0190e-03, 1.2890e-01],  
[7.2973e+01, 6.1683e-01, 3.4486e+00],  
[8.6935e+00, 4.5562e-03, 3.7474e-01],  
[1.0438e+00, 1.9660e-04, 1.3632e-01],  
[6.4550e-01, 3.8411e-05, 8.2784e-02],  
[9.9523e+00, 2.8724e-03, 5.4576e-01],  
[1.3391e+01, 2.8076e-02, 5.9880e-01],  
[8.6483e-02, 1.3396e-06, 1.2548e-02],  
[3.7705e+00, 1.7807e-03, 2.4916e-01],  
[3.1835e+01, 1.4460e-02, 1.1751e+00],  
[3.1203e+01, 1.5573e-01, 1.2025e+00],  
[3.7015e+01, 4.5574e-01, 1.1022e+00],  
[4.0025e-01, 2.5389e-05, 2.9736e-02],  
[7.5201e+01, 2.8494e-01, 2.5216e+00],  
[4.4105e+00, 1.4586e-03, 2.3950e-01],  
[1.0065e+00, 9.2213e-05, 9.1494e-02],  
[4.4595e-01, 2.2486e-05, 4.1618e-02],  
[2.7362e-01, 2.6344e-05, 2.8003e-02],  
[6.2292e+00, 3.0305e-04, 4.5686e-01],  
[6.4404e+00, 1.8744e-02, 5.8695e-01],  
[1.0805e+00, 6.3961e-04, 8.2378e-02],  
[6.3859e+00, 4.7816e-03, 3.2329e-01],  
[8.4139e+00, 2.7032e-02, 6.8505e-01],  
[7.5098e+01, 1.0175e+00, 3.5627e+00],  
[2.0766e+01, 1.3822e-01, 7.6831e-01],  
[1.0715e+02, 1.8071e+00, 2.6687e+00],  
[1.4696e+01, 2.4858e-02, 4.7162e-01],  
[1.4188e+01, 1.5031e-02, 7.9610e-01],  
[5.3206e+01, 1.7023e-01, 2.8661e+00],  
[4.1823e-01, 4.3161e-05, 5.4700e-02],  
[1.4478e-02, 2.3129e-07, 2.1786e-03],  
[2.3573e-01, 2.7765e-06, 3.0874e-02],  
[2.0949e+02, 4.1680e+00, 3.7211e+00],  
[2.3826e+01, 7.8971e-02, 1.3143e+00],  
[2.9744e-01, 1.2021e-05, 2.8658e-02],  
[3.1881e+00, 6.6385e-03, 3.6957e-01],  
[8.0432e+01, 6.9201e-02, 2.4398e+00],  
[6.1521e+01, 6.4824e-02, 2.6168e+00],  
[9.1843e+00, 2.7924e-02, 5.0541e-01],  
[3.1647e+01, 3.1987e-02, 1.1239e+00],  
[1.8952e-01, 4.5502e-06, 2.4492e-02],  
[9.6836e-02, 5.4201e-07, 1.1171e-02],  
[2.1411e+01, 2.2781e-02, 8.5272e-01],  
[1.9401e-01, 7.1863e-06, 2.5067e-02],

[1.6416e+02, 3.5428e+00, 2.9552e+00],  
[5.1682e-01, 1.0566e-04, 4.6396e-02],  
[1.7306e+02, 1.3700e+00, 2.9620e+00],  
[1.0914e+01, 6.0744e-03, 4.4934e-01],  
[9.3336e+00, 3.0287e-02, 4.3303e-01],  
[1.3093e+01, 4.4858e-02, 6.8351e-01],  
[1.9992e+02, 4.7778e-01, 3.4171e+00],  
[9.6597e+01, 1.1812e+00, 3.3383e+00],  
[2.9472e+00, 1.5109e-03, 2.3837e-01],  
[1.4955e+01, 4.2862e-02, 7.6667e-01],  
[1.0641e+01, 2.8552e-02, 8.0012e-01],  
[6.8720e+00, 1.8298e-02, 6.2365e-01],  
[1.1166e-02, 2.4363e-07, 1.7634e-03],  
[1.3667e+02, 2.3269e+00, 2.2798e+00],  
[8.5975e+00, 4.3452e-02, 6.7444e-01],  
[1.6595e-01, 1.0298e-05, 1.7626e-02],  
[1.1044e+02, 5.1428e-01, 1.9825e+00],  
[2.7254e+01, 2.8068e-01, 1.1327e+00],  
[1.0756e+02, 2.7670e+00, 2.7704e+00],  
[5.4459e-01, 7.8257e-06, 5.0394e-02],  
[2.0451e+00, 2.1296e-03, 1.6271e-01],  
[1.5564e+01, 6.6857e-02, 7.7573e-01],  
[5.1480e+00, 4.6684e-03, 2.8514e-01],  
[2.3613e+01, 7.5225e-02, 8.6622e-01],  
[5.7787e+01, 3.9908e-01, 1.7480e+00],  
[6.1206e+01, 2.3992e-01, 1.2145e+00],  
[6.1098e-03, 4.4231e-08, 9.4334e-04],  
[2.0112e+01, 3.2919e-03, 5.2465e-01],  
[2.1211e-01, 9.6593e-06, 2.2004e-02],  
[2.4166e+01, 1.0356e-02, 1.0737e+00],  
[4.7780e+00, 3.1560e-03, 4.4057e-01],  
[8.4003e+01, 2.8491e-01, 2.5303e+00],  
[8.2462e-02, 6.0161e-07, 1.1084e-02],  
[6.1998e-01, 1.0089e-05, 6.4866e-02],  
[7.9812e+00, 6.6872e-03, 4.9518e-01],  
[5.6043e+01, 3.3201e-01, 1.6066e+00],  
[3.4155e+00, 3.7220e-03, 2.6937e-01],  
[5.3673e-01, 4.7642e-05, 4.2992e-02],  
[6.6025e+01, 1.2995e+00, 3.3334e+00],  
[1.5721e-01, 6.4701e-07, 1.6991e-02],  
[4.2796e+01, 6.3595e-01, 1.3586e+00],  
[1.2385e+00, 6.1570e-04, 1.3375e-01],  
[2.4119e+01, 1.5692e-02, 1.0537e+00],  
[9.5299e-01, 2.6957e-04, 1.4196e-01],  
[5.1328e-01, 1.3672e-04, 6.7394e-02],  
[2.5317e+01, 1.8289e-01, 9.0505e-01],  
[1.8286e-01, 1.1100e-05, 2.0956e-02],  
[1.4938e-02, 5.3759e-08, 2.2395e-03],



[2.4023e+01, 2.0078e-02, 6.3660e-01],  
[6.1521e+01, 6.6893e-01, 2.2509e+00],  
[1.1597e-02, 1.5901e-07, 1.7148e-03],  
[1.3560e+02, 1.5484e+00, 2.7603e+00],  
[4.1415e+01, 6.3123e-01, 2.2074e+00],  
[2.2960e-02, 2.2056e-07, 3.2579e-03],  
[8.8157e+00, 4.3640e-02, 7.1037e-01],  
[1.0452e+01, 1.7251e-02, 5.0178e-01],  
[4.9884e+01, 3.0702e-02, 1.0343e+00],  
[2.0961e+02, 5.1795e+00, 4.1371e+00],  
[1.4982e+01, 3.0365e-02, 8.0756e-01],  
[5.9660e+01, 5.2667e-01, 1.8938e+00],  
[4.2653e+01, 2.3772e-01, 1.1894e+00],  
[1.4503e+00, 3.5059e-04, 1.0020e-01],  
[2.8017e+00, 7.5657e-03, 3.2457e-01],  
[1.1247e+02, 9.2437e-01, 3.8845e+00],  
[4.1222e-03, 2.4160e-09, 6.5406e-04],  
[8.8625e+00, 3.4898e-03, 4.6003e-01],  
[6.2224e-01, 4.1499e-05, 6.3098e-02],  
[2.1178e+01, 1.7169e-01, 1.0063e+00],  
[1.9252e+02, 1.7209e+00, 3.8135e+00],  
[2.4517e+01, 6.7618e-03, 9.8745e-01],  
[6.4531e+00, 4.6428e-03, 3.9413e-01],  
[5.5889e+00, 7.7528e-03, 3.5016e-01],  
[3.1398e+01, 2.7223e-02, 1.4188e+00],  
[1.6448e+01, 3.4697e-02, 5.5491e-01],  
[6.9635e+00, 1.3983e-02, 4.3352e-01],  
[5.8690e+01, 9.9171e-01, 2.1705e+00],  
[1.9656e-01, 1.5144e-05, 2.8342e-02],  
[4.4832e+00, 6.3606e-03, 4.0322e-01],  
[1.2789e+00, 1.6889e-04, 1.4047e-01],  
[1.1217e+02, 7.0308e-01, 2.1413e+00],  
[2.1185e-01, 8.3892e-06, 2.5862e-02],  
[8.6897e-01, 4.6331e-04, 1.1688e-01],  
[1.9529e+00, 2.4324e-04, 1.2487e-01],  
[3.6429e-01, 1.5862e-05, 4.1972e-02],  
[5.0473e+01, 6.5576e-01, 2.1570e+00],  
[1.2621e-02, 2.0619e-07, 1.9257e-03],  
[3.2091e+01, 3.9644e-02, 2.4810e+00],  
[7.4577e+01, 4.9462e-01, 1.5878e+00],  
[2.1578e+02, 2.1960e+00, 4.9642e+00],  
[1.3464e+02, 3.6066e+00, 3.2439e+00],  
[3.0168e-01, 1.3259e-05, 2.9432e-02],  
[5.4637e+01, 2.7572e-02, 2.3470e+00],  
[3.6709e-01, 7.9163e-06, 4.4702e-02],  
[2.6247e+02, 2.5289e+00, 4.1250e+00],  
[4.2240e-01, 6.1245e-05, 4.6728e-02],  
[1.9595e+01, 1.2768e-01, 7.9365e-01],

```

[1.4940e-01, 3.0443e-06, 2.0522e-02],
[8.8696e+01, 9.2814e-01, 3.3139e+00],
[8.1286e+01, 7.4993e-01, 1.7507e+00],
[1.5599e-02, 5.0118e-08, 2.3938e-03],
[1.7093e+01, 1.6682e-02, 5.2582e-01],
[1.7883e+02, 3.4183e+00, 3.5342e+00],
[1.1157e-01, 8.0479e-06, 1.2805e-02],
[2.8628e+01, 8.4171e-02, 1.9231e+00],
[4.0417e-01, 3.6976e-05, 3.8737e-02],
[3.5839e-01, 3.3870e-06, 3.2568e-02],
[2.6474e+01, 7.6034e-02, 8.0362e-01],
[3.5282e+01, 1.1025e-01, 1.9197e+00],
[1.6106e+01, 9.5045e-02, 9.7836e-01],
[4.7942e+00, 5.6666e-04, 3.2683e-01],
[6.0491e+00, 1.9337e-03, 4.3586e-01],
[2.0109e+02, 4.1330e+00, 3.9022e+00],
[7.3692e-02, 5.6601e-07, 1.0424e-02],
[1.2715e+02, 1.2405e+00, 3.4865e+00],
[1.4864e-03, 6.3876e-10, 2.4034e-04],
[2.0810e+00, 1.7954e-03, 1.5911e-01],
[7.7535e+01, 1.5786e-01, 1.9794e+00],
[6.3941e+00, 6.3769e-03, 4.0645e-01],
[3.2870e+01, 3.7682e-02, 1.6607e+00],
[6.2216e-02, 1.7215e-06, 8.2151e-03],
[1.5239e+02, 1.4369e+00, 4.7372e+00],
[1.0530e+00, 3.4863e-04, 1.4912e-01],
[1.4166e+01, 2.0437e-02, 4.5305e-01],
[2.6915e+01, 1.1572e-01, 1.1607e+00],
[7.6027e+01, 3.2001e-01, 2.4372e+00],
[8.2297e+01, 5.6860e-01, 3.1479e+00],
[2.3178e-01, 2.1091e-05, 2.7342e-02],
[4.5363e+01, 7.1698e-01, 1.7212e+00],
[7.8443e-01, 1.7329e-05, 6.6865e-02],
[3.3404e+00, 1.4642e-03, 2.8068e-01],
[2.6136e+02, 5.4066e+00, 4.7212e+00],
[3.0723e-01, 6.4020e-05, 3.5054e-02]], dtype=torch.float64)
Iteration: 197
Inputs: tensor([[6.3362e+20, 5.0127e+01, 1.0914e+01, 7.4525e+00],
               [2.5893e+19, 1.9794e+02, 6.8733e+00, 5.1254e+00],
               [2.0016e+18, 2.6431e+02, 8.5113e+00, 2.9061e+00],
               ...,
               [5.2496e+19, 4.9009e+02, 3.9399e+00, 3.2579e+00],
               [1.5698e+19, 4.5191e+02, 3.0345e+00, 1.3317e+00],
               [1.5821e+19, 4.3389e+02, 1.7594e+01, 6.0910e+00]]), dtype=torch.float64)
Target: tensor([[2.7324e+01, 2.8894e-01, 2.1258e+00],
               [7.5796e+00, 6.8169e-03, 4.5297e-01],
               [1.2304e-01, 2.0429e-06, 1.5136e-02],
               [2.9734e+01, 7.4610e-02, 1.0183e+00],

```

[7.5452e-01, 8.2226e-04, 9.6970e-02],  
[5.5521e+00, 4.5068e-03, 2.8671e-01],  
[3.8620e+01, 3.3495e-01, 1.4252e+00],  
[5.9737e-02, 1.2492e-06, 7.7537e-03],  
[2.7708e-02, 8.4310e-08, 3.9793e-03],  
[1.5380e-01, 9.4698e-06, 2.0762e-02],  
[3.0594e+01, 2.6729e-02, 1.0370e+00],  
[1.3204e+01, 1.4062e-02, 1.0303e+00],  
[1.9658e+00, 7.4799e-04, 1.6453e-01],  
[1.8262e+02, 3.2548e+00, 4.2470e+00],  
[3.1905e+01, 2.9940e-01, 1.0595e+00],  
[1.7721e+01, 5.5148e-02, 1.5972e+00],  
[7.8101e+01, 1.0952e+00, 3.8480e+00],  
[1.5950e-02, 2.2208e-08, 2.3389e-03],  
[7.4043e+00, 6.5107e-03, 3.4679e-01],  
[9.1562e-01, 1.7680e-04, 9.9890e-02],  
[4.6150e-01, 4.8207e-05, 3.9947e-02],  
[2.5291e-01, 2.5691e-05, 3.0684e-02],  
[1.7696e+01, 5.2124e-02, 7.9592e-01],  
[4.8152e-01, 3.9466e-05, 3.4604e-02],  
[3.1026e+01, 4.8211e-01, 1.9803e+00],  
[3.3719e+01, 2.1339e-01, 1.5018e+00],  
[1.3738e+00, 4.3284e-04, 1.5143e-01],  
[7.0775e-01, 8.6949e-05, 5.9386e-02],  
[7.8173e-01, 3.9287e-05, 5.8019e-02],  
[1.1612e+00, 4.0067e-05, 7.8715e-02],  
[1.4118e+02, 5.1793e+00, 3.5426e+00],  
[1.4474e+02, 4.6401e+00, 3.5828e+00],  
[3.1406e-01, 3.4404e-05, 3.8149e-02],  
[9.4580e+01, 1.6150e+00, 2.0343e+00],  
[6.4888e+01, 1.4618e-01, 1.7553e+00],  
[3.2969e+01, 1.5392e-02, 9.3251e-01],  
[4.3869e+01, 3.0591e-01, 1.5767e+00],  
[9.3138e-01, 7.6999e-04, 1.0053e-01],  
[1.2180e+01, 2.4769e-03, 8.9340e-01],  
[2.6732e+02, 3.9152e+00, 4.1285e+00],  
[4.0031e-01, 3.1746e-06, 2.9814e-02],  
[4.9899e+01, 4.0103e-01, 1.4050e+00],  
[1.3897e+00, 5.7827e-04, 1.3108e-01],  
[1.8706e+00, 3.5276e-04, 1.0435e-01],  
[7.4262e+01, 3.7234e-01, 2.2588e+00],  
[1.6007e-01, 6.7773e-06, 1.9895e-02],  
[5.8763e-02, 1.9259e-06, 8.7471e-03],  
[5.4334e+00, 1.8681e-03, 2.8669e-01],  
[2.7617e-02, 4.8655e-07, 4.2366e-03],  
[1.3161e+01, 1.1676e-02, 4.2847e-01],  
[9.2538e-01, 1.1192e-04, 1.0514e-01],  
[1.3929e+02, 1.0039e+00, 3.4825e+00],

[5.5691e-01, 2.3671e-05, 6.0679e-02],  
[7.1744e-01, 7.0990e-05, 7.3170e-02],  
[2.7116e+01, 2.4170e-01, 1.0532e+00],  
[6.2734e-01, 4.5300e-05, 4.2427e-02],  
[6.0746e+01, 6.5382e-01, 1.4431e+00],  
[1.0496e+00, 4.8772e-04, 9.9753e-02],  
[3.5677e+00, 2.8127e-03, 2.6069e-01],  
[1.5884e+01, 1.0262e-02, 6.3566e-01],  
[2.0236e-01, 3.2606e-05, 2.4442e-02],  
[3.2497e+01, 7.1325e-02, 1.6026e+00],  
[1.4783e-01, 6.9845e-06, 1.6030e-02],  
[1.9784e+02, 5.5910e+00, 3.3917e+00],  
[3.2871e+00, 6.7610e-05, 1.8277e-01],  
[5.0161e+01, 3.9768e-01, 1.4717e+00],  
[4.6320e+00, 5.4823e-03, 2.4981e-01],  
[1.0656e+02, 3.7012e-01, 2.0219e+00],  
[5.4080e+01, 3.7097e-01, 1.5654e+00],  
[2.2419e+00, 4.4005e-04, 1.2507e-01],  
[3.8192e-01, 2.4079e-05, 5.0209e-02],  
[1.2688e+01, 2.5510e-02, 5.0311e-01],  
[1.9518e+02, 5.1011e+00, 3.9738e+00],  
[1.2631e-01, 7.0112e-06, 1.4981e-02],  
[1.0683e+01, 2.3557e-02, 5.4555e-01],  
[8.4309e-01, 4.7299e-04, 9.1431e-02],  
[3.4882e+01, 2.3659e-02, 1.7788e+00],  
[1.9251e+01, 1.3055e-01, 1.1586e+00],  
[9.8429e-03, 3.2384e-08, 1.5212e-03],  
[9.7608e+00, 1.5188e-02, 4.6205e-01],  
[1.1103e-01, 5.1062e-06, 1.4490e-02],  
[3.0226e-01, 4.4759e-05, 3.7956e-02],  
[2.7118e-01, 3.4952e-06, 2.6095e-02],  
[4.3679e-01, 5.1966e-05, 4.0585e-02],  
[3.4654e+01, 4.8344e-02, 1.5446e+00],  
[9.5750e-01, 5.2313e-04, 1.0682e-01],  
[3.7197e+01, 4.6999e-01, 1.2027e+00],  
[2.7577e+00, 4.7203e-04, 1.3524e-01],  
[7.2135e+00, 7.5076e-03, 3.6699e-01],  
[4.1526e-01, 2.0282e-05, 3.5533e-02],  
[4.5507e+01, 2.8361e-02, 2.4569e+00],  
[8.1123e+01, 2.0853e+00, 2.2723e+00],  
[1.5913e+01, 2.1475e-02, 1.2712e+00],  
[9.7252e+00, 1.4130e-02, 1.0925e+00],  
[1.0655e+00, 3.6179e-04, 9.0876e-02],  
[2.6176e+00, 8.7876e-05, 2.2534e-01],  
[2.5745e+01, 4.3185e-02, 1.5961e+00],  
[1.1467e+01, 1.0086e-02, 3.4599e-01],  
[5.7878e+01, 7.2611e-01, 2.8311e+00],  
[1.7601e-01, 1.3770e-05, 2.1479e-02],

[8.5816e-01, 1.1789e-04, 7.5032e-02],  
[1.8443e+02, 2.8531e+00, 4.7364e+00],  
[5.6482e-03, 6.3016e-08, 8.8691e-04],  
[5.0865e-01, 6.5650e-05, 6.9465e-02],  
[1.7683e+00, 1.5934e-04, 1.0038e-01],  
[1.8124e+00, 2.7666e-04, 1.2359e-01],  
[1.2406e+00, 2.7509e-04, 1.0011e-01],  
[5.6037e+00, 3.8437e-03, 2.6225e-01],  
[1.3932e+01, 6.4082e-03, 4.9705e-01],  
[6.5097e-02, 5.7358e-07, 8.8439e-03],  
[7.1840e+00, 5.2194e-03, 7.8027e-01],  
[3.4989e-02, 2.6602e-06, 5.3449e-03],  
[2.2669e+02, 7.4333e+00, 4.1644e+00],  
[1.0687e-01, 2.8061e-06, 1.2092e-02],  
[2.9696e-01, 1.1162e-05, 3.3427e-02],  
[7.8623e+01, 1.0186e+00, 1.7166e+00],  
[9.0424e+01, 7.9798e-01, 2.5899e+00],  
[1.4822e+00, 2.3252e-03, 1.9170e-01],  
[1.4928e+01, 1.6789e-02, 4.3535e-01],  
[1.0092e-01, 5.4703e-07, 1.3371e-02],  
[4.6100e+01, 5.8839e-01, 1.3000e+00],  
[1.9764e+00, 2.1320e-03, 1.5498e-01],  
[1.8868e+01, 4.0993e-02, 1.3553e+00],  
[3.0760e+01, 3.6912e-02, 1.5271e+00],  
[4.9292e+00, 4.7678e-03, 3.5171e-01],  
[4.0284e+00, 2.4004e-03, 3.4897e-01],  
[6.8072e+00, 6.4195e-03, 5.8793e-01],  
[6.2809e+01, 2.1741e-01, 1.7843e+00],  
[2.5669e-01, 1.2111e-05, 3.1490e-02],  
[2.5134e+00, 2.6692e-03, 1.5987e-01],  
[2.5205e+00, 3.1574e-04, 2.2994e-01],  
[1.1996e+00, 4.5655e-04, 1.0388e-01],  
[1.1434e+01, 3.2629e-02, 6.2698e-01],  
[3.8162e-02, 1.6890e-06, 5.4108e-03],  
[1.9233e-01, 7.6142e-06, 2.8427e-02],  
[1.4042e-01, 1.0420e-05, 1.7334e-02],  
[1.6628e+01, 2.4856e-02, 7.0888e-01],  
[1.7722e-02, 1.0673e-07, 2.6102e-03],  
[8.3025e-01, 1.0739e-04, 8.1553e-02],  
[1.1935e+00, 5.0636e-04, 1.1857e-01],  
[1.1473e+01, 1.6767e-02, 1.0564e+00],  
[1.1497e+01, 1.8744e-02, 5.7245e-01],  
[1.0605e+02, 1.4943e+00, 2.6585e+00],  
[4.1499e+00, 3.5424e-03, 1.9673e-01],  
[2.5407e+00, 2.0959e-03, 2.0485e-01],  
[7.7953e+00, 4.5906e-02, 6.4103e-01],  
[4.8705e+00, 1.2474e-03, 3.3619e-01],  
[3.7024e+00, 1.1289e-03, 2.8098e-01],

[1.4597e+00, 1.7985e-04, 1.2686e-01],  
 [9.5129e-02, 9.8245e-06, 1.3464e-02],  
 [3.8161e+01, 8.0366e-02, 1.8565e+00],  
 [4.4499e-01, 5.4188e-05, 4.6914e-02],  
 [1.9480e-01, 2.2348e-05, 2.1446e-02],  
 [7.8501e+00, 1.1240e-02, 4.7544e-01],  
 [6.1711e-02, 9.6376e-07, 9.4607e-03],  
 [8.7010e+00, 3.2984e-03, 6.4872e-01],  
 [3.6351e+01, 1.3149e-01, 8.6352e-01],  
 [2.1428e+00, 2.8589e-03, 1.7233e-01],  
 [8.5930e+00, 3.4894e-02, 5.4036e-01],  
 [8.2007e+00, 1.7762e-02, 3.9853e-01],  
 [3.2702e-02, 5.5500e-08, 4.5118e-03],  
 [4.8297e+01, 7.4915e-01, 1.4355e+00],  
 [1.5944e+01, 6.0998e-03, 9.6032e-01],  
 [7.2340e+01, 1.2658e+00, 2.6729e+00],  
 [4.1384e+01, 5.3959e-02, 1.5778e+00],  
 [2.8394e+00, 5.1965e-04, 1.9755e-01],  
 [2.7147e-01, 2.0330e-05, 2.9935e-02],  
 [7.5532e-02, 1.2843e-06, 9.4690e-03],  
 [8.2441e-03, 1.1773e-08, 1.2773e-03],  
 [5.9202e+00, 7.8387e-03, 3.9508e-01],  
 [7.7284e-01, 1.7430e-04, 1.0554e-01],  
 [1.0705e+01, 3.1203e-02, 7.0190e-01],  
 [4.6472e-01, 5.4816e-05, 3.5112e-02],  
 [9.7346e+01, 1.2268e+00, 2.7028e+00],  
 [4.3381e-01, 1.1443e-04, 4.8397e-02],  
 [1.2523e-01, 8.0930e-06, 1.4661e-02],  
 [2.9601e+01, 1.5535e-01, 1.1154e+00],  
 [2.9882e-01, 7.4716e-05, 3.2400e-02],  
 [1.0395e-01, 1.0749e-06, 1.4373e-02],  
 [2.4456e+01, 1.0972e-01, 1.0248e+00],  
 [2.5051e+02, 6.8673e+00, 5.1006e+00],  
 [1.2040e+01, 3.4548e-02, 4.6601e-01],  
 [5.0787e+01, 4.9526e-01, 1.6942e+00],  
 [8.7224e+01, 1.4423e-01, 1.8615e+00],  
 [4.2482e-01, 2.0111e-05, 4.7960e-02],  
 [1.7974e+01, 3.9461e-02, 9.0882e-01],  
 [1.1560e+02, 3.3034e+00, 2.5975e+00],  
 [2.3360e+01, 8.8481e-02, 9.8042e-01],  
 [3.0496e-01, 7.6633e-05, 3.3149e-02],  
 [2.5782e+00, 1.4074e-03, 1.7655e-01],  
 [7.9345e+00, 1.5429e-02, 3.5882e-01],  
 [7.2494e+01, 6.8579e-01, 2.4551e+00],  
 [1.8932e-01, 1.3060e-05, 1.9480e-02],  
 [4.5011e-02, 1.1569e-06, 6.4887e-03],  
 [1.2525e-01, 8.0212e-06, 1.3662e-02],  
 [9.7070e-01, 1.8163e-04, 1.1016e-01],

[4.6006e+01, 1.5531e-01, 2.3084e+00],  
[4.9132e-02, 1.9454e-06, 6.6344e-03],  
[1.3666e+01, 7.4130e-03, 7.2875e-01],  
[6.6158e-02, 7.5139e-07, 8.8579e-03],  
[7.5759e+01, 3.2942e-01, 2.9866e+00],  
[1.4446e-02, 3.7014e-08, 2.2482e-03],  
[1.4345e+02, 4.4871e+00, 4.5661e+00],  
[1.1523e+00, 1.4018e-03, 1.3993e-01],  
[7.0685e+01, 3.8371e-01, 2.0291e+00],  
[8.9859e+01, 2.6821e+00, 3.4668e+00],  
[2.2471e-01, 1.0883e-05, 2.6663e-02],  
[4.1600e+01, 1.6009e-01, 1.5714e+00],  
[2.0369e+00, 1.6842e-04, 1.7307e-01],  
[3.2748e+00, 5.9988e-03, 2.7554e-01],  
[2.2004e+01, 1.6072e-01, 8.9552e-01],  
[4.7486e+01, 4.5551e-01, 1.3745e+00],  
[1.2991e+01, 1.3220e-02, 7.8780e-01],  
[3.1098e-02, 1.9019e-07, 4.7481e-03],  
[3.1941e-02, 2.4760e-07, 4.6177e-03],  
[1.6753e+01, 1.4101e-02, 6.5910e-01],  
[1.0693e+01, 2.1244e-02, 5.1719e-01],  
[5.6929e-01, 6.1588e-05, 4.0284e-02],  
[1.4983e+02, 3.6323e+00, 3.9292e+00],  
[1.0907e+02, 3.1787e+00, 2.8233e+00],  
[3.1087e-01, 3.4504e-05, 2.6768e-02],  
[1.9630e+02, 6.1652e+00, 4.8214e+00],  
[1.9311e+01, 3.2131e-02, 8.8876e-01],  
[1.8169e+00, 4.7178e-04, 1.7895e-01],  
[2.2935e-01, 2.5708e-06, 2.8219e-02],  
[1.7664e-02, 2.3718e-08, 2.5786e-03],  
[1.0519e+00, 1.1024e-04, 7.0792e-02],  
[8.2126e+00, 4.9084e-04, 3.2336e-01],  
[2.2018e+00, 9.1771e-04, 1.9441e-01],  
[9.0091e-01, 3.4890e-04, 7.5959e-02],  
[2.5900e-01, 4.5597e-05, 3.5492e-02],  
[5.7803e+01, 1.0929e+00, 2.3920e+00],  
[5.7910e-01, 3.3587e-05, 3.7889e-02],  
[9.2297e+01, 5.4436e-01, 1.9300e+00],  
[4.8187e+00, 1.2172e-04, 2.2802e-01],  
[1.0276e+00, 1.8881e-04, 8.6590e-02],  
[1.2586e+02, 4.6690e-01, 2.7355e+00],  
[3.0249e-01, 9.4226e-06, 4.4087e-02],  
[1.0013e+01, 8.9940e-03, 4.3056e-01],  
[8.4029e+00, 1.1678e-02, 5.9278e-01],  
[2.0212e+01, 1.1088e-01, 1.2140e+00],  
[1.8660e+01, 6.1504e-02, 1.3794e+00],  
[2.0144e+01, 6.9788e-02, 7.9509e-01],  
[5.5885e-02, 1.0328e-06, 7.2539e-03],

[1.8326e+02, 6.4496e-01, 3.5048e+00],  
[6.9223e+00, 8.7903e-03, 6.9385e-01],  
[2.0038e+01, 5.7767e-02, 1.3438e+00],  
[5.5615e+00, 7.4294e-03, 3.9077e-01],  
[6.0525e-01, 3.1751e-04, 7.2907e-02],  
[2.6296e+01, 2.0847e-01, 1.4897e+00],  
[2.6725e+00, 7.2402e-04, 1.7209e-01],  
[8.1151e-01, 2.1901e-04, 7.0723e-02],  
[2.4713e+01, 8.1036e-03, 7.5798e-01],  
[1.1267e-02, 1.1565e-07, 1.7406e-03],  
[2.2403e-01, 1.7314e-05, 2.6216e-02],  
[1.3151e+01, 3.6735e-02, 5.0298e-01],  
[6.8889e+01, 8.4787e-01, 1.8410e+00],  
[6.8451e+01, 6.1685e-01, 2.4847e+00],  
[4.2993e-01, 3.7746e-05, 4.2688e-02],  
[1.1538e+00, 2.0981e-04, 1.1970e-01],  
[1.1494e+02, 2.4157e+00, 3.3375e+00],  
[4.0475e+00, 2.0558e-02, 4.6194e-01],  
[1.2543e+02, 2.1813e+00, 3.0767e+00],  
[1.1188e+02, 1.4153e+00, 2.3783e+00],  
[9.7371e-01, 3.2834e-04, 7.9141e-02],  
[3.2103e+01, 3.2938e-02, 1.0358e+00],  
[2.1366e+00, 2.5311e-03, 1.6777e-01],  
[1.1281e-01, 8.6337e-07, 1.4531e-02],  
[3.7047e-02, 1.1071e-06, 5.3787e-03],  
[8.0719e-04, 8.3438e-11, 1.3109e-04],  
[2.2433e+02, 7.2127e+00, 4.3732e+00],  
[1.4636e+01, 1.1228e-01, 1.4022e+00],  
[1.0571e+01, 1.5075e-02, 5.8855e-01],  
[4.5853e+01, 1.0197e-01, 1.9297e+00],  
[5.2980e-02, 5.9584e-07, 7.9953e-03],  
[6.7757e+01, 5.8850e-01, 1.9545e+00],  
[1.6165e-01, 5.1700e-06, 1.7197e-02],  
[6.2484e+01, 1.4272e+00, 2.1081e+00],  
[3.3860e+01, 1.5228e-01, 1.7486e+00],  
[2.2497e+01, 1.1341e-01, 1.4143e+00],  
[1.7169e-02, 4.5456e-07, 2.6238e-03],  
[4.4963e-01, 1.9133e-04, 6.0886e-02],  
[1.1159e+01, 3.4842e-02, 4.8265e-01],  
[9.5143e-02, 2.4875e-06, 1.4395e-02],  
[4.7920e+01, 2.7091e-01, 1.3979e+00],  
[1.1252e+02, 1.5315e+00, 3.5593e+00],  
[1.1671e-01, 2.0728e-06, 1.4603e-02],  
[2.0553e+02, 1.2215e+00, 4.5852e+00],  
[1.6514e+01, 5.0023e-02, 7.9803e-01],  
[8.5847e+01, 7.6523e-02, 2.7689e+00],  
[2.8954e-01, 1.7007e-05, 2.5763e-02],  
[9.0007e-01, 4.8175e-04, 7.9433e-02],



```

[1.6148e+01, 3.5529e-02, 9.8617e-01],
[3.1782e+01, 1.8837e-01, 9.4719e-01],
[4.7671e+01, 3.6338e-01, 1.3983e+00],
[2.1068e-02, 5.6028e-08, 3.1884e-03],
[1.8906e-01, 5.1762e-06, 2.6761e-02],
[2.5512e+01, 5.3096e-02, 1.7829e+00],
[7.2877e-02, 4.1300e-06, 1.0872e-02],
[4.8314e-01, 1.3570e-05, 4.8949e-02],
[2.6964e+01, 1.0710e-02, 1.1593e+00],
[6.8082e-02, 2.8575e-06, 8.5737e-03],
[1.5156e+00, 9.3747e-04, 1.2501e-01],
[3.5580e+01, 3.4559e-02, 1.7315e+00],
[1.6512e+00, 3.9831e-04, 1.0669e-01],
[1.3220e+02, 9.7915e-01, 3.2894e+00],
[1.8441e+02, 8.1357e-01, 3.8191e+00],
[1.7920e-01, 1.6652e-05, 2.3159e-02],
[1.3674e+00, 1.2561e-04, 8.0597e-02],
[1.0641e-01, 2.8907e-06, 1.3825e-02],
[5.1129e+01, 2.7164e-01, 1.0047e+00],
[5.4268e-01, 3.6932e-06, 4.9988e-02],
[2.8323e+01, 1.1565e-01, 2.0056e+00],
[7.7014e+01, 6.3634e-01, 2.8378e+00],
[3.3231e+01, 6.4835e-01, 2.0029e+00],
[2.3443e-01, 5.2895e-06, 2.3925e-02],
[1.9082e-01, 2.5386e-05, 1.9966e-02],
[3.7507e+01, 4.1678e-02, 9.7439e-01],
[6.9343e+00, 4.1696e-04, 3.5999e-01],
[5.6251e+00, 7.7149e-03, 3.3161e-01]], dtype=torch.float64)
Iteration: 198
Inputs: tensor([[5.0084e+18, 1.5222e+02, 9.3901e+00, 4.5522e+00],
[1.5369e+20, 3.9848e+02, 2.3369e+00, 5.3219e+00],
[1.8889e+19, 1.3776e+02, 1.2398e+01, 1.6543e+00],
...,
[4.4276e+19, 4.8436e+02, 1.2689e+01, 5.2489e+00],
[8.3020e+19, 2.4482e+02, 8.8677e-01, 3.7105e+00],
[1.7318e+20, 7.1585e+01, 5.3566e+00, 6.7344e+00]], dtype=torch.float64)
Target: tensor([[3.2038e-01, 2.5966e-05, 3.8015e-02],
[9.2745e+01, 3.9634e-01, 1.8667e+00],
[3.7853e-01, 2.0627e-05, 5.0457e-02],
[5.3213e+01, 1.8978e-01, 2.1244e+00],
[6.3573e+01, 2.1677e-01, 3.2707e+00],
[1.2556e+00, 5.0431e-05, 9.3594e-02],
[2.2706e+00, 3.6613e-04, 2.0484e-01],
[1.5433e+01, 8.6972e-04, 6.1653e-01],
[8.1818e+00, 1.9128e-02, 5.7493e-01],
[3.1535e+01, 5.8659e-02, 1.3552e+00],
[7.9194e-02, 3.0433e-06, 1.1747e-02],
[2.4424e+02, 9.7846e-01, 4.2877e+00],

```

[3.7545e+01, 4.3067e-01, 1.4587e+00],  
 [2.7060e+00, 9.1291e-04, 1.8266e-01],  
 [7.3244e+01, 4.9144e-01, 2.2459e+00],  
 [5.9161e+00, 6.3992e-03, 7.2183e-01],  
 [8.5999e+01, 7.4399e-01, 2.8704e+00],  
 [5.7642e+01, 4.7228e-01, 1.7851e+00],  
 [4.3202e-03, 4.3453e-09, 6.7900e-04],  
 [1.2745e+02, 4.2194e+00, 2.9335e+00],  
 [6.2796e+01, 4.3058e-01, 2.0439e+00],  
 [2.2715e+01, 8.5613e-02, 7.0801e-01],  
 [3.2057e-01, 8.5733e-06, 4.0574e-02],  
 [5.3115e+00, 1.2930e-02, 5.8834e-01],  
 [2.1280e+02, 1.7092e+00, 4.2932e+00],  
 [1.0947e-01, 1.1639e-05, 1.3408e-02],  
 [6.6846e+00, 7.9492e-03, 3.9784e-01],  
 [4.1772e-03, 9.5996e-09, 6.7342e-04],  
 [2.0977e-02, 3.0262e-07, 3.1617e-03],  
 [1.1612e+02, 1.5586e+00, 2.8056e+00],  
 [5.8603e-02, 1.3838e-06, 8.3578e-03],  
 [1.9275e-01, 1.3274e-05, 2.0761e-02],  
 [2.4800e+01, 1.6584e-01, 1.1745e+00],  
 [3.6402e+01, 3.8249e-01, 1.3983e+00],  
 [1.2305e+01, 1.9061e-02, 9.1598e-01],  
 [1.9877e+01, 1.1357e-01, 1.4826e+00],  
 [1.1412e+00, 7.2057e-04, 1.3891e-01],  
 [1.9336e+02, 2.1163e+00, 3.8899e+00],  
 [5.0966e-01, 5.8092e-05, 4.4641e-02],  
 [1.3886e+01, 1.1584e-02, 3.8723e-01],  
 [1.0817e+02, 1.8019e+00, 3.7512e+00],  
 [3.2270e+01, 3.6446e-01, 2.1043e+00],  
 [9.0193e-01, 1.5312e-04, 7.6375e-02],  
 [6.1566e+01, 5.6977e-01, 1.3290e+00],  
 [3.9674e+00, 5.5450e-03, 2.4403e-01],  
 [2.6478e+01, 2.7674e-01, 1.0568e+00],  
 [1.6130e+00, 1.5451e-04, 1.3123e-01],  
 [4.7831e+01, 6.9305e-01, 1.5796e+00],  
 [4.9450e+01, 5.1015e-01, 1.4487e+00],  
 [2.4382e-01, 6.9028e-05, 3.0915e-02],  
 [3.2672e+01, 2.0519e-01, 1.1623e+00],  
 [1.8493e+01, 8.3263e-02, 8.0203e-01],  
 [1.0090e+01, 1.3994e-02, 4.5386e-01],  
 [1.8530e-01, 4.6876e-06, 2.4193e-02],  
 [3.3772e-03, 1.0529e-09, 5.3995e-04],  
 [1.4392e+00, 8.0132e-04, 1.2805e-01],  
 [4.4053e+01, 2.0051e-01, 1.3229e+00],  
 [1.5231e-01, 1.2868e-05, 1.6734e-02],  
 [2.5122e-01, 1.8934e-06, 2.8297e-02],  
 [4.5249e-02, 3.1273e-07, 6.3518e-03],

[3.9224e-01, 8.7915e-05, 4.1457e-02],  
 [2.1565e+01, 5.3639e-02, 1.0524e+00],  
 [4.5848e+00, 8.5226e-03, 3.2192e-01],  
 [2.7544e+02, 3.8273e+00, 4.0683e+00],  
 [4.4100e-01, 5.6121e-05, 4.4932e-02],  
 [3.4110e+01, 1.8738e-01, 1.5099e+00],  
 [3.2509e+00, 5.8442e-03, 3.3066e-01],  
 [4.7159e+00, 3.7050e-03, 2.2575e-01],  
 [2.9501e-01, 5.4714e-05, 4.2222e-02],  
 [3.8610e+00, 3.5195e-03, 2.7665e-01],  
 [5.6655e-02, 2.2272e-06, 7.5704e-03],  
 [3.6037e-02, 2.3737e-08, 5.1041e-03],  
 [2.0039e+02, 5.8189e+00, 4.7125e+00],  
 [8.4587e+01, 1.5857e+00, 3.7670e+00],  
 [5.0509e+01, 8.1959e-01, 2.7392e+00],  
 [1.8899e+00, 4.9419e-04, 1.7853e-01],  
 [5.4855e+01, 6.0950e-01, 2.0639e+00],  
 [1.4833e+01, 1.8042e-03, 7.9397e-01],  
 [1.8997e+01, 2.4489e-02, 6.8165e-01],  
 [6.2924e-01, 3.7155e-04, 8.5295e-02],  
 [7.7282e+00, 1.8418e-02, 4.7423e-01],  
 [4.1817e+01, 1.2905e-01, 1.2597e+00],  
 [7.9446e-02, 1.0651e-06, 1.0085e-02],  
 [1.4997e+00, 1.7715e-04, 8.6848e-02],  
 [4.2552e-01, 1.4879e-06, 3.2190e-02],  
 [1.1529e+01, 8.5102e-03, 5.5890e-01],  
 [7.8770e-02, 1.7307e-07, 1.0329e-02],  
 [7.3049e+00, 4.1032e-03, 6.4375e-01],  
 [1.9731e+01, 7.3414e-02, 1.4929e+00],  
 [3.0845e+00, 1.2883e-03, 3.7507e-01],  
 [3.8034e+01, 3.3766e-01, 1.5037e+00],  
 [6.7263e+00, 4.3456e-03, 3.7382e-01],  
 [2.4624e+00, 2.3132e-03, 1.9571e-01],  
 [2.3226e+01, 2.5837e-01, 1.5522e+00],  
 [4.0359e+00, 4.2547e-03, 3.4008e-01],  
 [1.0081e+01, 1.8229e-02, 5.0599e-01],  
 [4.3887e-01, 3.7271e-05, 4.6550e-02],  
 [2.6194e-02, 6.2092e-07, 3.8024e-03],  
 [1.3087e+01, 1.8434e-02, 1.1206e+00],  
 [1.2176e-01, 6.7426e-06, 1.5797e-02],  
 [2.8120e-01, 1.8734e-05, 3.2164e-02],  
 [6.8811e+00, 2.2147e-03, 3.8382e-01],  
 [1.8110e+02, 4.9152e+00, 3.2593e+00],  
 [2.3277e-01, 8.5026e-06, 2.9450e-02],  
 [1.3078e+01, 9.3701e-03, 6.9527e-01],  
 [8.1655e+00, 1.9744e-02, 6.0941e-01],  
 [5.7590e+01, 5.1043e-02, 1.5685e+00],  
 [4.8946e-01, 1.8298e-05, 4.1635e-02],

[5.0115e-01, 4.6180e-05, 3.6605e-02],  
 [8.0689e+00, 2.2133e-02, 3.8001e-01],  
 [1.3576e+00, 1.6149e-03, 1.5976e-01],  
 [2.7166e+01, 1.3829e-01, 1.8965e+00],  
 [2.7160e-03, 2.8794e-09, 4.3348e-04],  
 [6.0143e+01, 2.9202e-01, 3.0567e+00],  
 [1.2359e+02, 1.2994e+00, 3.2974e+00],  
 [1.3588e+02, 1.5679e+00, 4.6369e+00],  
 [1.0839e+02, 1.7616e+00, 2.9973e+00],  
 [1.0680e+02, 2.1419e+00, 3.2341e+00],  
 [5.2972e+01, 3.0565e-01, 1.6308e+00],  
 [1.7958e+02, 9.0861e-01, 3.2238e+00],  
 [6.6183e+01, 4.3685e-01, 2.4004e+00],  
 [1.9108e-02, 1.4408e-07, 2.8169e-03],  
 [4.4085e+01, 3.1416e-01, 2.3971e+00],  
 [8.2104e+01, 1.0454e+00, 3.2054e+00],  
 [4.5308e-02, 1.5386e-06, 6.8310e-03],  
 [9.8156e+01, 1.6292e+00, 3.9571e+00],  
 [2.0763e+00, 1.2334e-03, 1.4637e-01],  
 [5.2178e+01, 5.4630e-01, 1.2075e+00],  
 [2.4228e+00, 3.2146e-04, 1.7977e-01],  
 [6.2455e-01, 5.9106e-05, 5.0748e-02],  
 [6.3548e+01, 3.0752e-01, 3.5662e+00],  
 [2.5452e-01, 2.1763e-05, 3.5280e-02],  
 [3.8227e-03, 3.5372e-09, 5.9868e-04],  
 [9.1414e+01, 1.1075e+00, 2.5859e+00],  
 [2.5602e+01, 1.2910e-01, 1.0034e+00],  
 [1.3938e+02, 4.9714e+00, 4.4015e+00],  
 [7.4818e-01, 1.0227e-04, 5.2405e-02],  
 [6.4149e+00, 7.7976e-03, 5.3426e-01],  
 [7.0766e+01, 2.7875e-01, 2.2373e+00],  
 [5.2650e-01, 1.0980e-04, 4.2760e-02],  
 [1.2494e+00, 7.1914e-04, 1.2182e-01],  
 [2.1728e+02, 2.8449e+00, 3.4047e+00],  
 [1.2705e-02, 1.4649e-07, 1.9130e-03],  
 [2.0074e+01, 1.5506e-02, 1.2208e+00],  
 [7.8526e+01, 1.6017e+00, 2.0234e+00],  
 [3.0836e+00, 1.0026e-03, 2.0416e-01],  
 [1.1082e+02, 1.4685e+00, 2.9832e+00],  
 [8.2673e-02, 3.8030e-06, 1.1915e-02],  
 [3.2183e-01, 5.0510e-05, 3.3138e-02],  
 [6.3384e-01, 1.3615e-04, 7.1928e-02],  
 [3.9045e+01, 1.8152e-01, 1.0690e+00],  
 [2.0976e+00, 4.3505e-04, 1.9037e-01],  
 [3.5651e+00, 7.9389e-03, 2.8247e-01],  
 [2.2183e+01, 6.7145e-02, 1.6125e+00],  
 [4.1668e+00, 6.1204e-03, 2.4013e-01],  
 [2.6412e+01, 2.7448e-02, 7.6110e-01],

[1.1814e+01, 8.7414e-03, 7.5503e-01],  
[1.5838e+01, 2.9760e-02, 8.2110e-01],  
[2.0569e+00, 1.3623e-03, 1.4018e-01],  
[6.1717e+00, 8.2363e-03, 4.0190e-01],  
[3.3788e+01, 3.2641e-01, 1.0419e+00],  
[1.2163e+00, 5.0254e-04, 1.3472e-01],  
[2.4599e-01, 1.1818e-05, 2.9428e-02],  
[1.2802e+00, 8.8142e-05, 8.8472e-02],  
[6.6648e+01, 3.0280e-01, 2.8589e+00],  
[3.4429e+00, 4.1707e-04, 2.2120e-01],  
[6.1473e+01, 9.2326e-02, 1.4829e+00],  
[1.0887e+02, 9.6986e-01, 3.5063e+00],  
[7.7625e+01, 1.4407e+00, 2.8665e+00],  
[2.1509e-02, 5.8807e-07, 3.2246e-03],  
[8.1709e+00, 1.2106e-02, 3.5608e-01],  
[2.5543e-01, 2.5475e-05, 3.4072e-02],  
[2.0839e+02, 1.7084e+00, 4.2345e+00],  
[7.0342e+01, 3.1033e-01, 2.1883e+00],  
[8.6743e-01, 2.5593e-04, 7.1683e-02],  
[5.7186e+01, 5.5999e-01, 1.4640e+00],  
[7.4330e-01, 4.2885e-04, 9.6973e-02],  
[2.3768e-01, 2.3879e-05, 2.4496e-02],  
[1.2016e-01, 1.4688e-05, 1.7640e-02],  
[1.1454e+00, 3.7213e-04, 1.1409e-01],  
[2.3145e-01, 3.2760e-05, 2.7548e-02],  
[1.5597e+02, 5.7344e+00, 4.2971e+00],  
[3.9459e+01, 2.7247e-01, 1.3379e+00],  
[3.2528e+00, 2.1596e-03, 2.4560e-01],  
[1.9499e+01, 3.5124e-02, 1.5882e+00],  
[1.8257e+01, 9.3276e-02, 1.1198e+00],  
[4.6813e+00, 7.6587e-03, 2.6972e-01],  
[1.5713e+01, 3.4376e-03, 5.5958e-01],  
[2.2179e+00, 1.0977e-03, 1.7785e-01],  
[3.0719e-01, 6.3648e-05, 3.2576e-02],  
[2.3537e+00, 1.1847e-03, 2.3468e-01],  
[4.3090e+01, 4.6833e-01, 1.7605e+00],  
[1.5024e-01, 9.2837e-06, 1.6502e-02],  
[9.8977e+01, 1.9430e-01, 2.1851e+00],  
[3.5752e-01, 1.5752e-05, 5.4207e-02],  
[2.4117e-03, 4.7823e-09, 3.8659e-04],  
[2.4504e+00, 2.4900e-03, 1.7056e-01],  
[1.5538e-01, 2.0203e-06, 2.0603e-02],  
[3.4438e+00, 8.1475e-04, 1.5539e-01],  
[5.2937e+01, 1.3128e-01, 2.9183e+00],  
[9.6559e-02, 1.7892e-06, 1.3084e-02],  
[1.5319e+01, 1.2130e-01, 8.2464e-01],  
[4.8467e+00, 2.4517e-03, 1.8907e-01],  
[5.0680e+00, 1.3824e-02, 4.4364e-01],

[2.3734e-03, 7.8553e-09, 3.8289e-04],  
[1.1449e+01, 5.7450e-03, 4.1977e-01],  
[4.3418e+00, 1.9277e-03, 2.1019e-01],  
[5.7110e+00, 8.8916e-03, 3.3539e-01],  
[4.1613e+01, 2.5795e-01, 2.8709e+00],  
[1.7321e-02, 1.0981e-07, 2.5272e-03],  
[3.0719e-04, 2.9404e-11, 5.0593e-05],  
[6.1806e-02, 6.9151e-07, 7.7723e-03],  
[9.5112e+01, 5.6254e-01, 2.0171e+00],  
[5.8382e-02, 1.7790e-06, 7.5988e-03],  
[2.0206e+00, 1.0127e-04, 1.0920e-01],  
[3.9054e+00, 3.6787e-03, 4.5562e-01],  
[7.1857e+01, 8.0083e-01, 1.9410e+00],  
[3.2582e-02, 1.6869e-07, 4.6142e-03],  
[9.0256e-01, 1.6784e-04, 1.2724e-01],  
[1.4410e-01, 2.2837e-06, 1.6781e-02],  
[4.2135e+00, 2.4612e-03, 2.9182e-01],  
[1.2013e+02, 2.7824e+00, 2.4509e+00],  
[2.6847e+01, 1.5447e-02, 9.4300e-01],  
[6.2257e+00, 9.0684e-03, 3.5012e-01],  
[6.6760e-01, 3.6705e-04, 7.7422e-02],  
[7.0117e+00, 4.0258e-03, 4.4527e-01],  
[1.4845e+01, 4.1078e-02, 7.6248e-01],  
[2.4381e-01, 5.7973e-05, 3.1144e-02],  
[7.0925e+01, 2.8702e-01, 3.1216e+00],  
[1.7670e+00, 2.6501e-03, 2.1884e-01],  
[1.5446e-02, 6.8702e-08, 2.3181e-03],  
[3.7724e-02, 3.3240e-07, 5.0912e-03],  
[3.9636e+00, 2.4864e-03, 2.2387e-01],  
[2.0248e+00, 4.3217e-04, 1.0206e-01],  
[1.3720e+00, 2.4281e-04, 1.1794e-01],  
[1.0045e+02, 2.6030e+00, 3.6152e+00],  
[6.8575e+01, 2.7316e-01, 1.7676e+00],  
[2.1703e-01, 3.0067e-06, 2.2078e-02],  
[1.1721e+00, 2.7248e-04, 1.0208e-01],  
[1.7763e+00, 6.4910e-04, 1.4522e-01],  
[4.6295e-02, 2.4042e-07, 6.5887e-03],  
[8.8599e-03, 8.6590e-08, 1.3344e-03],  
[3.6369e+01, 3.3576e-01, 9.4309e-01],  
[7.3942e+01, 1.3263e+00, 2.3179e+00],  
[3.1301e+00, 4.5934e-03, 4.1422e-01],  
[4.6907e-01, 1.2015e-04, 5.5098e-02],  
[1.8619e+00, 1.0760e-04, 1.1588e-01],  
[1.3319e+01, 1.0554e-01, 7.4702e-01],  
[1.7062e+00, 6.4249e-04, 1.5929e-01],  
[3.2130e+00, 1.1091e-03, 3.2746e-01],  
[1.1412e+00, 5.6706e-05, 7.6768e-02],  
[1.1079e+01, 1.9188e-02, 7.2881e-01],

[1.2538e-01, 4.2613e-06, 1.4565e-02],  
[7.4321e+01, 1.6495e-01, 1.8706e+00],  
[5.4239e-01, 1.4341e-04, 7.4514e-02],  
[5.8438e+01, 5.0973e-01, 2.4081e+00],  
[5.4428e+00, 6.5851e-03, 2.5507e-01],  
[9.0037e+00, 1.8978e-02, 4.6105e-01],  
[1.6198e+00, 4.3410e-04, 1.7788e-01],  
[2.6719e+01, 1.0614e-02, 1.5893e+00],  
[7.7976e-01, 6.8801e-04, 9.2558e-02],  
[4.6241e+01, 9.2723e-02, 9.5998e-01],  
[4.7021e-01, 2.0145e-05, 3.4356e-02],  
[3.5626e+01, 3.0127e-01, 1.9674e+00],  
[4.5600e+00, 4.8340e-03, 3.5355e-01],  
[6.8795e-01, 1.6277e-04, 5.7284e-02],  
[2.8468e-01, 3.6944e-05, 3.1360e-02],  
[1.5786e-01, 1.6133e-05, 1.6725e-02],  
[1.6775e+01, 5.4935e-02, 8.8672e-01],  
[3.2128e+01, 1.1058e-01, 1.1064e+00],  
[3.3074e+00, 1.6618e-03, 2.2525e-01],  
[2.1920e-01, 5.7409e-06, 2.6661e-02],  
[1.1830e+01, 5.7814e-02, 9.3989e-01],  
[2.4495e+01, 1.1044e-01, 9.3030e-01],  
[1.1738e+01, 3.6039e-02, 5.3107e-01],  
[4.2548e+01, 3.8587e-01, 1.5285e+00],  
[2.5878e-02, 3.0683e-07, 3.7376e-03],  
[2.9698e+01, 2.2902e-01, 1.7827e+00],  
[3.4329e+00, 5.4604e-03, 3.0566e-01],  
[6.9744e-02, 4.4308e-06, 1.0159e-02],  
[1.5073e+00, 6.9942e-04, 1.1634e-01],  
[8.9226e+00, 1.0440e-03, 5.1152e-01],  
[4.5748e+00, 6.1357e-03, 3.0330e-01],  
[1.0732e+02, 7.9157e-01, 4.0640e+00],  
[3.9749e+01, 4.0386e-01, 1.2794e+00],  
[1.1949e+01, 1.3043e-02, 3.8331e-01],  
[2.0071e+00, 1.2006e-03, 2.1338e-01],  
[6.1393e-01, 1.1440e-04, 7.4366e-02],  
[1.1348e+01, 4.2148e-03, 1.1549e+00],  
[2.7104e+01, 9.4142e-02, 9.8147e-01],  
[1.2842e+02, 1.4203e+00, 3.1661e+00],  
[2.0778e+01, 5.2021e-02, 1.6920e+00],  
[1.1387e+02, 8.9629e-01, 3.6218e+00],  
[2.5609e+01, 7.0954e-02, 1.3719e+00],  
[1.6287e+01, 2.0338e-02, 1.3640e+00],  
[2.7216e-01, 4.1062e-05, 2.5302e-02],  
[7.6732e+00, 1.0319e-02, 4.9022e-01],  
[1.3559e+01, 1.0281e-01, 1.0985e+00],  
[2.0235e+01, 7.8024e-02, 1.1169e+00],  
[2.5294e-02, 1.9175e-07, 3.7392e-03],

```

[6.3835e+00, 7.6435e-03, 3.0725e-01],
[1.8255e-02, 7.1651e-09, 2.6436e-03],
[8.8940e-02, 6.1710e-06, 1.2284e-02],
[3.9761e-03, 7.0871e-09, 6.2536e-04],
[1.5920e-01, 2.1635e-05, 1.6478e-02],
[9.1832e-01, 1.6506e-04, 6.7852e-02],
[9.4660e-02, 1.8275e-07, 1.1839e-02],
[6.2961e+01, 3.8299e-01, 1.8483e+00],
[7.4964e+01, 3.7794e-01, 2.9015e+00],
[1.6430e+00, 5.2005e-05, 1.4146e-01],
[6.0481e+01, 3.4798e-01, 3.0009e+00],
[2.7023e+01, 2.4009e-01, 1.3195e+00],
[4.0057e+01, 3.4863e-01, 1.0701e+00],
[6.6720e-04, 3.0578e-10, 1.0877e-04],
[6.2747e-01, 3.8495e-05, 5.3496e-02],
[1.9547e+00, 6.1808e-04, 1.5766e-01],
[2.3793e+00, 1.6498e-03, 1.7799e-01],
[2.2996e+01, 7.0148e-02, 8.2046e-01],
[4.8642e+01, 5.1932e-02, 1.2745e+00],
[2.1298e+01, 8.5505e-02, 1.3366e+00]], dtype=torch.float64)
Iteration: 199
Inputs: tensor([[2.0050e+18, 4.3363e+02, 2.0951e+00, 7.5160e+00],
[4.9529e+20, 4.2938e+02, 3.3611e+00, 3.3858e+00],
[4.5480e+18, 3.9479e+02, 6.7975e+00, 2.6176e+00],
...,
[9.6589e+18, 3.9350e+02, 1.6717e+01, 5.9229e+00],
[1.0599e+19, 4.6225e+02, 1.8353e+01, 9.1475e+00],
[9.3676e+20, 1.8669e+02, 2.6772e+00, 3.9691e+00]], dtype=torch.float64)
Target: tensor([[1.2484e+00, 1.5180e-04, 7.0615e-02],
[1.7834e+02, 7.6715e-01, 3.5347e+00],
[1.0014e+00, 5.6014e-05, 8.6113e-02],
[1.1074e+00, 4.5795e-04, 9.9915e-02],
[1.2537e+02, 1.1433e+00, 3.0592e+00],
[8.2154e+00, 2.2207e-02, 4.1062e-01],
[8.4976e+00, 5.8446e-03, 3.1341e-01],
[2.7721e+01, 1.6219e-01, 1.2471e+00],
[1.7831e+02, 2.1990e+00, 4.2707e+00],
[8.5588e-03, 4.5043e-08, 1.2903e-03],
[2.1407e+00, 1.0932e-04, 1.6130e-01],
[6.9647e+00, 7.1065e-03, 2.8448e-01],
[2.5418e+01, 1.4126e-01, 1.3989e+00],
[3.2869e+01, 2.8551e-01, 1.8072e+00],
[3.1895e+01, 3.0936e-01, 1.1526e+00],
[2.9269e+01, 1.3703e-01, 1.3231e+00],
[1.4580e-03, 5.0884e-10, 2.3692e-04],
[7.8320e+01, 1.2262e+00, 2.1549e+00],
[6.3456e-01, 1.5892e-05, 6.9609e-02],
[4.6604e+00, 2.6755e-03, 3.5414e-01],

```



[1.4518e+00, 1.8720e-03, 1.7431e-01],  
 [6.9868e-01, 5.2081e-05, 7.6670e-02],  
 [4.5573e+01, 8.0019e-01, 2.5008e+00],  
 [1.6764e-02, 1.8760e-07, 2.6505e-03],  
 [7.1101e-02, 6.3844e-06, 1.0711e-02],  
 [5.9783e-01, 1.4370e-04, 6.7331e-02],  
 [2.2920e+00, 1.7633e-03, 1.6655e-01],  
 [2.8353e+01, 5.2473e-02, 1.4490e+00],  
 [1.2594e+02, 2.0965e-01, 2.3882e+00],  
 [1.3288e+01, 3.5983e-02, 9.8499e-01],  
 [2.2206e+00, 1.1269e-03, 1.6285e-01],  
 [3.8487e-01, 9.0413e-05, 4.5090e-02],  
 [5.8844e+01, 1.2625e-01, 2.1138e+00],  
 [1.7055e-02, 5.9724e-08, 2.5466e-03],  
 [5.1911e+01, 3.7391e-01, 2.7839e+00],  
 [5.4293e+01, 4.9961e-01, 1.2301e+00],  
 [8.5088e+01, 1.6578e-01, 2.1565e+00],  
 [4.3624e-01, 2.6945e-05, 4.0043e-02],  
 [5.6134e-01, 1.0554e-04, 6.3617e-02],  
 [1.5926e+02, 2.3975e+00, 3.9079e+00],  
 [1.2758e+00, 3.9631e-04, 1.1295e-01],  
 [2.0895e+01, 3.2036e-02, 1.5438e+00],  
 [1.1357e+02, 1.1636e-01, 4.2898e+00],  
 [7.3249e+01, 8.7173e-01, 1.8550e+00],  
 [2.2594e+01, 5.3608e-02, 1.2654e+00],  
 [2.5891e+01, 9.6785e-02, 1.7278e+00],  
 [7.3130e-01, 1.6520e-04, 8.0945e-02],  
 [6.9518e-01, 1.1253e-04, 5.0915e-02],  
 [1.8117e+01, 1.1484e-02, 9.2369e-01],  
 [5.4116e+01, 8.4881e-01, 2.7660e+00],  
 [4.5690e-01, 1.6748e-04, 5.9280e-02],  
 [1.6324e+01, 3.3472e-02, 6.8756e-01],  
 [5.3668e-03, 3.4044e-09, 8.2594e-04],  
 [2.8400e-02, 1.0560e-06, 4.0907e-03],  
 [6.0742e+01, 3.8143e-01, 2.5269e+00],  
 [2.7031e+01, 1.0181e-02, 1.6279e+00],  
 [2.4426e+01, 5.0351e-02, 1.5247e+00],  
 [5.6407e+00, 5.7587e-03, 2.4171e-01],  
 [1.9968e+01, 2.4073e-01, 1.4365e+00],  
 [1.8127e+01, 6.5652e-02, 6.3184e-01],  
 [9.8057e+00, 4.1423e-02, 8.0654e-01],  
 [7.2239e+01, 1.3698e+00, 3.5306e+00],  
 [1.0292e-01, 9.9580e-06, 1.2222e-02],  
 [2.6830e-03, 1.3338e-09, 4.2724e-04],  
 [1.0086e+01, 1.4167e-03, 7.7271e-01],  
 [1.1116e-01, 4.8809e-06, 1.2453e-02],  
 [2.1748e+02, 2.5730e+00, 4.0147e+00],  
 [8.2854e-01, 2.6955e-05, 4.8860e-02],

[4.3295e+00, 4.0939e-03, 4.8361e-01],  
 [3.8474e+00, 1.4047e-03, 2.9363e-01],  
 [3.7973e+01, 1.4262e-01, 2.5328e+00],  
 [1.2561e+01, 1.7809e-02, 3.8123e-01],  
 [1.6471e-01, 2.6655e-05, 2.0114e-02],  
 [5.2018e+00, 1.0806e-03, 1.9918e-01],  
 [2.1800e+01, 1.7477e-02, 9.5737e-01],  
 [2.9070e+00, 4.8727e-03, 2.9803e-01],  
 [1.6298e+01, 4.7480e-03, 7.5331e-01],  
 [1.4092e+01, 1.0845e-01, 1.4778e+00],  
 [1.5539e+01, 3.3298e-02, 6.7871e-01],  
 [7.2601e-01, 4.5878e-04, 8.7691e-02],  
 [2.8587e+00, 8.5662e-04, 1.5133e-01],  
 [7.9895e+00, 8.0010e-03, 3.5688e-01],  
 [3.1686e+00, 1.7718e-03, 3.5399e-01],  
 [8.2460e+00, 2.5592e-02, 4.7305e-01],  
 [3.6187e+01, 4.5027e-01, 1.3365e+00],  
 [4.5777e+00, 2.4025e-03, 3.0846e-01],  
 [1.8715e+01, 5.1474e-02, 1.2647e+00],  
 [1.7814e-01, 9.6464e-06, 1.7730e-02],  
 [1.3065e+01, 6.3420e-02, 1.1566e+00],  
 [2.0248e+01, 4.6776e-02, 1.1952e+00],  
 [6.0382e-01, 1.5443e-05, 5.7706e-02],  
 [8.4455e-01, 2.4059e-04, 9.6354e-02],  
 [1.6467e+02, 4.8339e+00, 4.2820e+00],  
 [3.3334e+00, 2.4341e-03, 2.4708e-01],  
 [2.9193e+01, 8.3291e-02, 9.8200e-01],  
 [6.1308e+00, 2.4173e-03, 2.9095e-01],  
 [4.5191e-01, 1.1134e-04, 5.4987e-02],  
 [1.4814e+02, 2.0286e+00, 3.5318e+00],  
 [2.3879e-03, 4.6695e-10, 3.8309e-04],  
 [4.8851e-01, 4.2521e-05, 4.3867e-02],  
 [1.0259e+02, 3.8555e-01, 2.5958e+00],  
 [3.8528e+00, 8.6672e-03, 4.1312e-01],  
 [2.7862e+01, 5.3765e-03, 1.6851e+00],  
 [1.6986e+00, 1.5813e-03, 1.9351e-01],  
 [9.9469e+00, 8.2786e-02, 9.5990e-01],  
 [1.1245e+00, 5.1884e-04, 9.7627e-02],  
 [4.2918e+01, 1.7916e-01, 1.7067e+00],  
 [1.5314e+02, 2.9028e+00, 4.7069e+00],  
 [4.9172e+01, 8.8440e-02, 2.0037e+00],  
 [1.2810e+02, 7.0920e-01, 4.4127e+00],  
 [5.2108e+01, 3.4550e-01, 3.2660e+00],  
 [3.8499e+01, 4.7754e-02, 2.2451e+00],  
 [2.2617e+00, 1.9569e-03, 2.4008e-01],  
 [2.4797e-02, 7.6613e-07, 3.6541e-03],  
 [5.4862e+01, 4.9535e-01, 1.9815e+00],  
 [4.6875e+01, 7.2745e-02, 1.2537e+00],

[4.8990e+01, 1.1281e-02, 2.1100e+00],  
 [2.4883e+01, 1.0781e-01, 7.2458e-01],  
 [5.7494e+00, 3.4702e-03, 3.2574e-01],  
 [4.5472e-01, 4.9864e-05, 4.1900e-02],  
 [1.4425e-02, 1.2076e-07, 2.1734e-03],  
 [1.7638e+00, 7.5397e-05, 1.0333e-01],  
 [2.5267e-03, 7.9710e-09, 4.0204e-04],  
 [1.5795e+00, 2.6238e-04, 1.0370e-01],  
 [6.6443e+01, 1.9595e-01, 2.2416e+00],  
 [2.6469e+00, 2.5347e-05, 1.6080e-01],  
 [4.2034e-01, 5.0318e-05, 4.2523e-02],  
 [3.2424e+01, 1.7417e-01, 2.3408e+00],  
 [1.3027e+00, 6.8878e-05, 1.1726e-01],  
 [3.7114e+00, 4.2497e-03, 2.2199e-01],  
 [8.7225e+01, 1.5770e+00, 2.2375e+00],  
 [9.7114e-01, 4.4704e-04, 8.5875e-02],  
 [2.8042e+00, 1.6386e-03, 2.6076e-01],  
 [8.9576e+01, 1.5228e-01, 2.5668e+00],  
 [2.2287e+01, 3.2789e-02, 1.5706e+00],  
 [3.0481e-01, 4.8132e-05, 2.8941e-02],  
 [2.0708e+02, 9.3026e+00, 4.2537e+00],  
 [2.9316e+01, 1.1678e-01, 1.7763e+00],  
 [2.0769e+00, 5.6785e-04, 1.5901e-01],  
 [5.6709e+00, 2.1527e-03, 3.4215e-01],  
 [3.6449e-01, 5.2016e-05, 4.4736e-02],  
 [5.5503e+01, 4.2300e-01, 2.3164e+00],  
 [8.7236e-01, 2.4346e-05, 5.0377e-02],  
 [1.0729e+00, 2.3270e-04, 8.4961e-02],  
 [4.4171e+01, 5.6157e-02, 9.7869e-01],  
 [1.8101e-01, 1.4008e-06, 1.7901e-02],  
 [4.0792e+01, 2.9881e-01, 1.8289e+00],  
 [9.4201e+00, 5.7224e-02, 6.6566e-01],  
 [5.0083e-01, 9.5520e-05, 5.8782e-02],  
 [5.2790e-02, 4.4958e-07, 7.8540e-03],  
 [8.6158e+00, 7.3558e-03, 3.7461e-01],  
 [1.1800e+00, 2.8414e-04, 7.7546e-02],  
 [4.7390e+00, 6.4716e-03, 3.2245e-01],  
 [1.5385e+01, 1.0529e-02, 5.4001e-01],  
 [2.0833e+01, 4.6429e-02, 1.0860e+00],  
 [1.5101e-01, 5.5247e-06, 2.0632e-02],  
 [8.2384e+00, 2.0940e-02, 5.3846e-01],  
 [1.6794e+01, 9.1867e-02, 1.4198e+00],  
 [8.3758e-03, 2.9260e-08, 1.2962e-03],  
 [4.5059e+01, 4.6900e-01, 2.0682e+00],  
 [1.1789e+02, 1.9108e-01, 2.2600e+00],  
 [3.8968e+01, 3.3729e-01, 1.4059e+00],  
 [7.6682e+00, 6.8852e-04, 3.4755e-01],  
 [2.4605e+01, 2.2837e-01, 9.8532e-01],

[6.3145e-01, 3.4834e-05, 7.0439e-02],  
[1.8312e+01, 1.0021e-01, 1.2433e+00],  
[2.3525e+02, 3.9509e+00, 4.3829e+00],  
[1.1390e-02, 1.1727e-07, 1.6854e-03],  
[5.8922e-01, 9.0185e-06, 6.7406e-02],  
[2.2346e-01, 4.6240e-06, 3.1490e-02],  
[1.5554e+01, 5.2721e-03, 8.4280e-01],  
[2.0749e+01, 1.2154e-01, 8.5400e-01],  
[6.1918e+00, 8.6096e-03, 4.1203e-01],  
[1.9404e-01, 1.1532e-05, 2.5118e-02],  
[4.6513e+01, 2.1060e-01, 1.2313e+00],  
[2.3637e-01, 5.6436e-05, 3.2791e-02],  
[1.2279e+00, 3.3878e-04, 1.3093e-01],  
[4.1012e-01, 3.7816e-05, 5.4526e-02],  
[8.2878e+01, 1.5243e+00, 3.6302e+00],  
[3.3737e-01, 3.1412e-05, 3.4795e-02],  
[3.9201e+01, 5.9164e-01, 2.1940e+00],  
[2.9007e-01, 8.5087e-06, 2.7668e-02],  
[1.0790e+01, 1.3942e-02, 4.2467e-01],  
[1.0296e+01, 1.3167e-03, 4.5175e-01],  
[3.9563e+00, 4.4792e-03, 3.3333e-01],  
[1.8173e+00, 2.0555e-04, 1.7551e-01],  
[1.9240e+01, 3.5013e-02, 7.9745e-01],  
[4.8318e+01, 1.0971e-01, 1.3050e+00],  
[1.7792e+00, 3.9156e-04, 2.1292e-01],  
[5.9439e-02, 3.8866e-06, 8.9528e-03],  
[1.9131e+02, 5.0798e+00, 4.7207e+00],  
[2.2507e+01, 1.6635e-02, 1.0296e+00],  
[1.4852e-01, 1.5953e-06, 1.6451e-02],  
[1.9443e+01, 1.0312e-01, 7.3627e-01],  
[1.2450e+01, 6.6590e-02, 6.4864e-01],  
[2.8919e-03, 2.3850e-09, 4.6566e-04],  
[3.7026e-01, 4.7312e-05, 3.6273e-02],  
[2.5472e+00, 1.4052e-03, 2.1169e-01],  
[2.0178e-02, 4.2882e-07, 2.9852e-03],  
[1.3938e+00, 2.6827e-05, 1.1895e-01],  
[2.8971e+00, 3.1568e-03, 2.7666e-01],  
[1.4358e-01, 1.4255e-05, 1.5948e-02],  
[1.7458e+01, 2.9230e-02, 1.3013e+00],  
[1.1832e+02, 2.6163e+00, 2.4009e+00],  
[1.6080e+02, 3.5699e+00, 4.1611e+00],  
[6.6134e+01, 9.9909e-01, 2.4921e+00],  
[3.3712e+00, 5.4571e-04, 1.9734e-01],  
[1.5751e-01, 2.9525e-06, 1.8444e-02],  
[1.2728e+02, 2.5374e+00, 2.9645e+00],  
[1.2240e+01, 5.4580e-02, 6.1070e-01],  
[9.5267e-02, 9.5819e-06, 1.4074e-02],  
[1.6035e+01, 8.1800e-03, 7.6347e-01],

[7.5824e+01, 5.3795e-01, 1.8286e+00],  
[4.7704e-01, 5.8124e-05, 5.2258e-02],  
[1.4567e+02, 7.9065e-01, 2.7438e+00],  
[3.1552e+01, 2.9772e-01, 9.0263e-01],  
[4.9899e-01, 3.0747e-05, 5.5148e-02],  
[1.4609e+01, 5.7222e-02, 7.2816e-01],  
[3.1955e-02, 3.7792e-07, 4.6701e-03],  
[1.0229e-01, 3.2922e-06, 1.3896e-02],  
[1.4157e+00, 8.9493e-04, 1.4728e-01],  
[1.6742e-02, 2.4228e-07, 2.6243e-03],  
[1.3673e+00, 4.1274e-04, 1.2678e-01],  
[3.9869e+01, 2.2678e-02, 1.0756e+00],  
[2.4219e+01, 1.9617e-01, 8.0127e-01],  
[2.0884e-01, 2.0050e-05, 2.8443e-02],  
[2.5021e+01, 8.4318e-02, 1.7394e+00],  
[8.4143e+01, 7.5013e-01, 2.6448e+00],  
[3.8606e+01, 1.2731e-01, 1.4992e+00],  
[7.6076e+01, 6.1007e-01, 3.6519e+00],  
[4.9615e-02, 1.5565e-06, 7.7157e-03],  
[1.2756e+01, 8.0755e-03, 5.1667e-01],  
[1.1259e+02, 1.7977e+00, 3.6920e+00],  
[7.7856e-01, 1.4808e-04, 7.1707e-02],  
[1.3683e+02, 1.9060e+00, 3.9135e+00],  
[6.0939e-01, 2.4858e-04, 7.1412e-02],  
[1.4691e+01, 1.0582e-02, 4.3339e-01],  
[4.7456e+00, 2.2005e-03, 2.9149e-01],  
[6.4281e-02, 3.4922e-07, 8.5103e-03],  
[3.8080e-01, 2.5925e-05, 4.6425e-02],  
[4.0051e+01, 2.7434e-01, 1.2606e+00],  
[1.2594e+01, 3.6194e-02, 5.5415e-01],  
[1.1819e+02, 6.5141e-01, 2.4791e+00],  
[1.5561e-02, 5.7675e-08, 2.3695e-03],  
[2.0427e+02, 8.9717e+00, 5.0038e+00],  
[1.1307e+01, 3.4291e-02, 6.2288e-01],  
[9.8962e+00, 1.4032e-02, 8.9096e-01],  
[1.3143e-01, 1.4001e-05, 1.6884e-02],  
[2.3450e+00, 9.9159e-04, 2.3457e-01],  
[7.0810e+01, 1.0646e+00, 2.9943e+00],  
[4.1282e+01, 4.1537e-01, 1.2458e+00],  
[7.6197e+00, 1.6964e-02, 3.8642e-01],  
[1.6423e+01, 5.7255e-02, 6.0785e-01],  
[9.9102e-01, 3.2199e-04, 1.1014e-01],  
[6.8501e+01, 8.0491e-01, 1.7647e+00],  
[6.3881e+00, 7.3951e-03, 4.0412e-01],  
[6.1131e-02, 1.1368e-07, 7.8708e-03],  
[1.0498e+02, 1.6269e+00, 2.4823e+00],  
[2.3575e-02, 7.6694e-07, 3.5903e-03],  
[4.5035e-01, 1.0704e-04, 6.5272e-02],

[4.7358e+00, 2.1398e-03, 3.3656e-01],  
[1.2047e+02, 9.2142e-01, 2.7640e+00],  
[7.4511e+01, 1.2274e+00, 2.7540e+00],  
[1.0499e+01, 1.8128e-03, 6.4728e-01],  
[3.5571e+00, 1.9648e-03, 2.3287e-01],  
[6.1281e+01, 4.0600e-02, 1.5939e+00],  
[3.7906e+00, 4.2063e-03, 2.4176e-01],  
[6.9236e+01, 4.2250e-01, 2.1541e+00],  
[1.5786e+00, 1.1194e-03, 1.5105e-01],  
[1.0058e+01, 1.5468e-02, 7.9334e-01],  
[1.0808e-01, 1.8526e-06, 1.4950e-02],  
[5.8673e+01, 1.3209e+00, 2.7013e+00],  
[1.1798e+02, 6.3361e-02, 3.3875e+00],  
[8.1440e-02, 8.1771e-06, 1.1456e-02],  
[6.2272e+01, 1.0807e+00, 3.3255e+00],  
[2.1847e+01, 1.8650e-02, 1.4561e+00],  
[2.6881e+01, 1.1648e-01, 1.1889e+00],  
[1.3513e+02, 1.7757e+00, 4.3272e+00],  
[1.3803e-02, 5.3743e-08, 2.1334e-03],  
[1.5023e-03, 1.0926e-09, 2.4419e-04],  
[6.8414e+00, 1.0595e-02, 3.1834e-01],  
[3.2047e+01, 9.9648e-03, 1.4531e+00],  
[6.5041e+01, 2.0453e-01, 3.6622e+00],  
[2.3464e-02, 7.2715e-07, 3.5281e-03],  
[4.7288e+01, 4.4028e-01, 1.1074e+00],  
[2.0853e+00, 1.2041e-04, 1.6303e-01],  
[1.2096e+02, 2.4981e+00, 4.1969e+00],  
[1.4978e+02, 3.3391e+00, 3.9981e+00],  
[2.6786e+00, 5.4868e-03, 2.9113e-01],  
[2.2436e+00, 2.8787e-04, 2.0613e-01],  
[1.5589e+01, 2.9925e-02, 5.9044e-01],  
[2.1024e+00, 4.7408e-04, 1.8482e-01],  
[2.3521e+01, 2.4938e-01, 1.0574e+00],  
[1.2401e-01, 6.1738e-06, 1.4408e-02],  
[8.0322e-02, 3.7818e-06, 1.0181e-02],  
[8.8469e-01, 5.3972e-05, 1.0769e-01],  
[3.9414e+01, 6.2077e-01, 2.0934e+00],  
[1.7911e+00, 3.2246e-03, 1.9355e-01],  
[1.9100e+01, 2.2167e-02, 6.7215e-01],  
[1.1927e+01, 2.4368e-02, 4.6387e-01],  
[9.2742e+00, 1.3318e-02, 5.0878e-01],  
[5.9579e+01, 4.5435e-02, 2.9764e+00],  
[6.5764e+01, 3.2697e-01, 1.8153e+00],  
[6.2814e+00, 1.0862e-02, 6.6389e-01],  
[8.1170e+00, 1.3227e-03, 3.4945e-01],  
[1.5134e+01, 1.5198e-02, 4.3625e-01],  
[2.1447e+02, 3.7798e+00, 4.8590e+00],  
[1.6350e+02, 1.6689e+00, 3.6783e+00],

```

[7.1009e-01, 7.0282e-05, 6.6500e-02],
[5.2729e-02, 2.1404e-07, 7.2226e-03],
[1.1822e-02, 1.1237e-07, 1.7966e-03],
[8.7404e+00, 2.0547e-02, 4.1948e-01],
[1.6436e+01, 8.3037e-02, 9.7207e-01],
[2.6443e+01, 7.7506e-02, 9.0259e-01],
[7.7052e+01, 5.9554e-01, 1.7960e+00],
[2.2094e+00, 3.3743e-04, 1.3148e-01],
[2.1403e+00, 7.4273e-04, 1.7375e-01],
[2.6764e+00, 1.8847e-03, 1.9362e-01],
[4.7777e+00, 8.4863e-03, 2.6390e-01],
[1.8180e+02, 9.9032e-01, 4.7857e+00]], dtype=torch.float64)
Iteration: 200
Inputs: tensor([[2.7218e+20, 3.3402e+02, 6.7358e+00, 3.5618e+00],
[3.9252e+19, 3.4426e+02, 1.4513e+01, 3.8068e+00],
[3.1384e+19, 1.9532e+02, 1.0812e+01, 1.4733e+00],
...,
[1.0458e+20, 4.4754e+02, 7.7572e+00, 9.6369e+00],
[2.8122e+18, 5.7961e+01, 1.3083e+01, 8.6425e+00],
[3.2799e+19, 3.3385e+02, 2.9515e+00, 3.9954e+00]], dtype=torch.float64)
Target: tensor([[7.9922e+01, 2.9033e-01, 2.4145e+00],
[1.0731e+01, 1.6034e-02, 6.1021e-01],
[1.6853e+00, 2.3931e-04, 1.8467e-01],
[8.7819e-01, 5.7404e-04, 1.0679e-01],
[6.8824e+00, 3.0450e-03, 3.8315e-01],
[1.7713e+02, 4.9172e+00, 4.6654e+00],
[6.7667e-02, 1.9263e-06, 9.7559e-03],
[5.9125e+01, 6.0315e-01, 1.8492e+00],
[1.6099e+00, 6.2113e-04, 1.3259e-01],
[1.0918e+01, 3.2646e-03, 5.0538e-01],
[1.3760e+02, 1.3002e+00, 3.8013e+00],
[8.0910e-02, 8.8855e-06, 1.1492e-02],
[4.4004e+00, 7.1809e-04, 3.0083e-01],
[1.1185e-01, 1.2832e-06, 1.3007e-02],
[1.4750e+02, 5.7134e+00, 3.2742e+00],
[1.8241e+02, 6.5448e+00, 4.4939e+00],
[2.2059e+00, 1.2497e-04, 1.8264e-01],
[8.0000e-02, 3.6778e-06, 9.8267e-03],
[7.1086e+00, 1.0754e-03, 2.8773e-01],
[1.9730e+01, 6.3756e-02, 1.0705e+00],
[5.2666e-03, 1.4834e-08, 8.3868e-04],
[7.0600e-04, 7.8459e-11, 1.1499e-04],
[2.8289e+01, 5.3106e-01, 2.3406e+00],
[4.5637e+01, 3.7246e-01, 1.1023e+00],
[5.6634e+00, 2.7039e-04, 3.8426e-01],
[3.6975e+00, 1.8915e-03, 2.0009e-01],
[1.9260e+01, 1.7412e-01, 8.3959e-01],
[3.3610e-01, 3.0975e-05, 4.8045e-02],

```

[1.0931e+02, 1.7177e+00, 3.2680e+00],  
[8.4473e+01, 2.6409e-01, 1.8364e+00],  
[4.0825e-02, 2.3678e-07, 6.0105e-03],  
[2.2732e+01, 6.7484e-02, 1.0637e+00],  
[8.8675e+01, 1.4287e+00, 2.5838e+00],  
[1.8285e-01, 6.8782e-06, 2.2311e-02],  
[5.8635e+00, 4.9289e-03, 2.6693e-01],  
[2.6774e+00, 1.7114e-03, 1.9614e-01],  
[2.5238e+01, 7.5306e-02, 8.0406e-01],  
[4.3644e-01, 3.1500e-04, 5.9396e-02],  
[7.1930e+01, 1.0308e+00, 2.8656e+00],  
[3.5700e-04, 6.0204e-11, 5.8460e-05],  
[5.9955e-01, 9.0690e-05, 7.1263e-02],  
[1.6729e+01, 6.0607e-02, 1.2370e+00],  
[1.3071e+01, 9.4136e-03, 7.3055e-01],  
[1.4084e+01, 5.1876e-02, 6.9279e-01],  
[1.6427e+01, 3.8331e-02, 8.3405e-01],  
[7.0055e-02, 1.6002e-06, 1.0740e-02],  
[2.6910e+01, 1.5471e-01, 1.4742e+00],  
[1.4650e+00, 1.5648e-03, 1.3284e-01],  
[2.6445e+01, 1.6295e-02, 7.3834e-01],  
[3.6218e-01, 3.1697e-05, 3.7475e-02],  
[4.4047e-03, 1.0557e-08, 6.8238e-04],  
[1.6870e+02, 5.5516e-01, 4.8711e+00],  
[7.5206e-02, 6.7278e-06, 1.1365e-02],  
[1.1055e+02, 7.9833e-01, 2.6385e+00],  
[1.8745e+02, 6.6781e-01, 4.4019e+00],  
[4.8852e-01, 6.7604e-05, 4.2862e-02],  
[1.4932e+02, 2.2174e+00, 3.3347e+00],  
[3.5406e+01, 2.1061e-01, 9.7877e-01],  
[2.6288e+01, 2.3807e-01, 1.4657e+00],  
[1.9892e-01, 1.4421e-05, 2.7716e-02],  
[1.0526e+01, 1.3977e-02, 1.0384e+00],  
[1.4470e+00, 1.0038e-04, 1.3612e-01],  
[3.9255e+01, 1.2790e-02, 1.5864e+00],  
[9.5635e-01, 4.1472e-05, 1.1400e-01],  
[1.9865e+02, 9.3573e+00, 4.9020e+00],  
[1.3470e+00, 1.3747e-03, 1.3980e-01],  
[4.6204e+01, 5.4939e-01, 2.4337e+00],  
[1.0834e+02, 7.3477e-01, 3.1536e+00],  
[5.7293e+00, 7.9046e-03, 3.9537e-01],  
[5.5443e+00, 6.9184e-04, 3.3947e-01],  
[2.9168e+01, 2.1650e-01, 1.1206e+00],  
[1.7393e+01, 5.3462e-02, 7.4145e-01],  
[3.5931e-01, 8.6304e-05, 4.8046e-02],  
[5.5666e+01, 1.2072e-01, 1.7924e+00],  
[6.0766e+01, 6.3391e-01, 1.7442e+00],  
[6.2023e+01, 1.9646e-01, 2.6969e+00],



[3.2079e+01, 1.7968e-01, 1.3792e+00],  
 [3.8447e-01, 8.7598e-05, 5.1955e-02],  
 [4.4646e+01, 1.5572e-01, 2.4058e+00],  
 [6.7345e-01, 8.4828e-05, 1.0014e-01],  
 [8.0798e+00, 2.2659e-02, 4.0973e-01],  
 [1.8286e+02, 3.1742e+00, 3.1348e+00],  
 [1.0725e+02, 2.1178e+00, 4.0960e+00],  
 [1.4164e+02, 2.6037e+00, 2.7239e+00],  
 [1.9422e+02, 3.0669e+00, 3.8887e+00],  
 [6.6743e-01, 2.9167e-05, 5.8265e-02],  
 [7.9683e+01, 4.3739e-01, 2.0065e+00],  
 [1.9719e-01, 1.9479e-05, 2.0173e-02],  
 [5.2557e+01, 2.6259e-01, 1.1345e+00],  
 [1.8854e+00, 3.0439e-04, 1.3071e-01],  
 [3.3284e+01, 5.6386e-02, 8.7489e-01],  
 [6.2497e-01, 7.1416e-05, 4.2653e-02],  
 [3.0402e-03, 3.2435e-09, 4.8130e-04],  
 [3.8758e-02, 4.8759e-07, 5.4692e-03],  
 [7.8668e-01, 4.8488e-05, 7.0681e-02],  
 [4.4561e+01, 7.0259e-01, 3.0571e+00],  
 [1.2436e-02, 9.5858e-08, 1.9197e-03],  
 [2.3195e+02, 4.9080e+00, 3.2844e+00],  
 [1.5342e+00, 1.5281e-04, 1.0557e-01],  
 [6.0388e-01, 1.0048e-04, 5.9253e-02],  
 [9.6912e-01, 2.9505e-04, 8.8317e-02],  
 [2.1661e-02, 2.6004e-07, 3.1003e-03],  
 [1.0980e+01, 6.4825e-02, 1.1282e+00],  
 [9.9242e+01, 2.2073e+00, 2.7327e+00],  
 [5.8421e+01, 8.6405e-01, 2.8635e+00],  
 [1.9585e+00, 1.4477e-04, 1.8193e-01],  
 [1.5328e+02, 3.8162e-01, 3.1199e+00],  
 [9.2412e+01, 9.1220e-01, 3.9395e+00],  
 [2.1632e+01, 1.2695e-01, 8.4736e-01],  
 [2.3168e+01, 5.1148e-02, 8.5273e-01],  
 [1.4691e-02, 9.1044e-08, 2.2857e-03],  
 [1.0092e-02, 7.0378e-08, 1.5498e-03],  
 [3.6241e+00, 5.4050e-03, 4.3870e-01],  
 [1.7445e+02, 3.2873e+00, 4.0773e+00],  
 [3.9840e+01, 3.2372e-01, 1.0745e+00],  
 [5.5671e-01, 1.1806e-04, 5.5520e-02],  
 [2.8623e+00, 7.1476e-04, 2.6013e-01],  
 [5.4608e+00, 2.1392e-03, 2.2575e-01],  
 [4.1521e+00, 3.6289e-03, 3.0258e-01],  
 [3.8941e-01, 1.7248e-05, 3.6169e-02],  
 [2.7912e+01, 1.7631e-01, 1.0781e+00],  
 [6.0091e-01, 1.5083e-04, 5.6819e-02],  
 [1.2730e-01, 4.6384e-06, 1.5129e-02],  
 [2.2564e+01, 3.5794e-02, 1.1923e+00],

[7.0813e+00, 7.0145e-03, 2.9218e-01],  
[2.2567e+01, 1.2376e-02, 9.9381e-01],  
[6.2325e+00, 3.6535e-02, 6.5688e-01],  
[3.3091e+00, 1.8944e-03, 1.8497e-01],  
[2.0436e+01, 2.0642e-02, 5.9701e-01],  
[2.8690e+01, 2.5734e-02, 1.2993e+00],  
[9.0838e+00, 3.4226e-02, 8.4537e-01],  
[3.2984e-01, 3.2873e-05, 2.7227e-02],  
[7.6620e-01, 2.2345e-04, 7.2941e-02],  
[1.4076e+01, 7.3319e-03, 6.8123e-01],  
[2.1130e+01, 3.3089e-02, 6.4817e-01],  
[2.1958e+00, 9.8851e-04, 1.7317e-01],  
[7.0388e-01, 1.1777e-04, 6.7871e-02],  
[1.1009e+00, 3.3351e-05, 1.1003e-01],  
[2.6419e+01, 1.2135e-01, 8.4905e-01],  
[1.4388e+01, 3.2360e-02, 5.7721e-01],  
[6.3421e-02, 1.0839e-06, 9.0834e-03],  
[1.6023e-01, 8.3865e-06, 1.9983e-02],  
[3.3756e+01, 1.6970e-01, 1.2813e+00],  
[1.7594e+01, 1.7372e-02, 7.1074e-01],  
[1.8097e-02, 1.2947e-07, 2.7110e-03],  
[2.5227e+01, 2.9039e-01, 1.5512e+00],  
[1.9397e+02, 7.9285e+00, 4.7939e+00],  
[8.4522e+01, 1.6409e+00, 3.0298e+00],  
[6.7657e+01, 1.0328e-01, 2.1632e+00],  
[1.2242e+01, 3.0206e-02, 4.8980e-01],  
[4.8036e-01, 1.1109e-04, 5.1285e-02],  
[1.6810e+00, 1.3023e-03, 1.6596e-01],  
[3.2616e-02, 4.8789e-07, 4.7108e-03],  
[8.4730e+01, 4.4185e-01, 2.4232e+00],  
[1.6655e+01, 8.2258e-02, 1.6708e+00],  
[1.7287e+02, 5.3045e+00, 3.1689e+00],  
[3.5979e-01, 1.2323e-04, 4.4845e-02],  
[1.1852e+00, 1.9768e-05, 6.6705e-02],  
[1.0672e+01, 1.4855e-02, 4.2760e-01],  
[9.5448e+01, 9.5427e-01, 1.6310e+00],  
[1.1534e+02, 9.3113e-01, 4.4920e+00],  
[1.9907e+02, 2.1195e+00, 3.9650e+00],  
[9.3366e+00, 1.6542e-02, 3.6014e-01],  
[4.5583e+00, 6.0621e-04, 2.8276e-01],  
[8.3021e-01, 5.4460e-04, 8.7036e-02],  
[4.3602e+01, 2.0885e-01, 1.5703e+00],  
[3.4552e+01, 9.8904e-02, 2.3034e+00],  
[8.8286e+00, 7.6803e-03, 3.9087e-01],  
[4.4011e+01, 8.8128e-02, 1.5492e+00],  
[2.8989e+01, 1.5088e-01, 2.3356e+00],  
[1.4017e+01, 2.4463e-03, 9.3749e-01],  
[7.1331e-01, 1.4173e-04, 6.1292e-02],

[3.0139e+01, 4.1571e-01, 1.7608e+00],  
 [1.9153e+01, 2.5373e-02, 8.3128e-01],  
 [5.4678e-03, 4.8015e-08, 8.6001e-04],  
 [1.2455e+02, 1.0880e+00, 3.0578e+00],  
 [1.0172e+01, 2.8754e-02, 8.6101e-01],  
 [2.8980e+00, 3.9645e-04, 1.6775e-01],  
 [2.0663e+01, 2.6980e-02, 8.9749e-01],  
 [1.1666e+00, 1.0066e-04, 1.1288e-01],  
 [6.8935e+01, 5.6552e-02, 1.5131e+00],  
 [1.6624e+02, 2.7747e+00, 2.9424e+00],  
 [1.2499e+01, 6.5509e-03, 1.0431e+00],  
 [6.6461e+01, 3.2359e-01, 2.6414e+00],  
 [5.9543e+01, 3.0438e-01, 1.9527e+00],  
 [6.9679e-02, 5.3439e-06, 9.1022e-03],  
 [3.2475e+00, 1.3144e-03, 3.0151e-01],  
 [9.1080e+01, 1.4519e-01, 3.4612e+00],  
 [9.9649e-02, 8.7062e-06, 1.4917e-02],  
 [9.6719e+01, 5.7774e-02, 3.4370e+00],  
 [3.7112e+01, 7.6796e-01, 2.1995e+00],  
 [3.5573e-01, 7.5473e-05, 3.8381e-02],  
 [8.1800e+01, 8.9804e-01, 3.4249e+00],  
 [2.4427e+00, 2.0885e-03, 1.7575e-01],  
 [5.0894e-01, 5.5806e-05, 7.4944e-02],  
 [2.6265e+01, 1.3122e-01, 9.5236e-01],  
 [2.2294e+02, 3.8024e+00, 4.6539e+00],  
 [6.2265e-04, 5.4442e-11, 1.0132e-04],  
 [2.8463e+01, 1.2056e-02, 7.7106e-01],  
 [2.2399e+00, 4.2277e-04, 1.5525e-01],  
 [8.3406e-01, 7.8599e-04, 9.7139e-02],  
 [8.2616e+01, 1.0672e+00, 3.1957e+00],  
 [5.1207e+01, 1.9692e-01, 1.5087e+00],  
 [1.4357e+02, 2.1474e+00, 3.0046e+00],  
 [2.2996e-01, 8.9196e-06, 2.7024e-02],  
 [1.3171e+01, 2.2438e-02, 6.1559e-01],  
 [1.1579e+01, 2.2022e-02, 5.4863e-01],  
 [5.9353e+00, 4.7331e-03, 3.9448e-01],  
 [6.1722e+01, 5.8042e-01, 2.3467e+00],  
 [5.0262e-02, 9.0677e-07, 6.6601e-03],  
 [1.0268e+00, 4.3692e-04, 7.6639e-02],  
 [6.6639e+01, 9.2494e-01, 1.6512e+00],  
 [1.8314e+00, 5.6266e-04, 1.1845e-01],  
 [8.6898e+01, 2.2310e+00, 2.4665e+00],  
 [1.3822e+02, 5.3387e+00, 4.0610e+00],  
 [1.2794e-01, 4.2007e-06, 1.5110e-02],  
 [6.2074e-02, 1.4140e-06, 7.9565e-03],  
 [8.4908e+00, 2.0410e-02, 3.9119e-01],  
 [6.2640e-01, 3.5865e-04, 7.2342e-02],  
 [3.9528e+01, 3.0077e-01, 1.0659e+00],

[3.7525e+00, 2.3610e-03, 3.4036e-01],  
[3.1449e+01, 3.9017e-02, 2.0532e+00],  
[1.4818e-02, 6.4188e-08, 2.1896e-03],  
[7.6549e+01, 6.7914e-01, 3.3835e+00],  
[1.5173e+00, 1.4941e-03, 1.7718e-01],  
[1.2607e+00, 7.2451e-04, 1.0027e-01],  
[1.4097e+02, 1.7275e+00, 4.0628e+00],  
[5.8785e+00, 3.3842e-03, 4.3775e-01],  
[6.9893e+01, 9.6478e-01, 2.4314e+00],  
[4.5061e+01, 9.7976e-02, 1.4449e+00],  
[3.1581e+01, 1.1829e-01, 1.3966e+00],  
[3.4449e-01, 1.4030e-05, 2.7256e-02],  
[1.5883e+00, 9.7429e-04, 2.0736e-01],  
[1.9305e+01, 2.7712e-02, 1.8124e+00],  
[1.1454e+02, 2.7989e+00, 3.5925e+00],  
[1.2515e-02, 3.2573e-08, 1.8410e-03],  
[1.5173e+02, 2.5794e+00, 3.5256e+00],  
[1.4830e+02, 9.9251e-02, 3.5817e+00],  
[7.6258e-02, 8.5198e-07, 1.0695e-02],  
[2.4410e+01, 1.9563e-01, 1.4488e+00],  
[7.3514e-02, 5.2215e-06, 9.6132e-03],  
[1.5034e+00, 9.3164e-04, 1.1092e-01],  
[4.2408e+00, 4.0398e-03, 2.2559e-01],  
[1.6150e+01, 5.1427e-02, 9.7715e-01],  
[7.9565e-01, 2.3386e-05, 7.9933e-02],  
[3.3229e+00, 5.3393e-03, 3.5582e-01],  
[1.0059e+02, 2.4032e+00, 3.7212e+00],  
[7.3137e+00, 5.0698e-04, 4.8044e-01],  
[1.0838e+02, 1.2462e+00, 2.4772e+00],  
[7.4113e+00, 4.4287e-03, 5.3044e-01],  
[6.7783e-01, 2.2282e-05, 6.2554e-02],  
[8.1680e+00, 2.2887e-03, 3.4230e-01],  
[3.8165e+01, 3.4084e-01, 1.1700e+00],  
[1.1755e+01, 9.2522e-02, 9.9461e-01],  
[1.8613e+01, 3.6905e-02, 8.8498e-01],  
[3.4078e+00, 8.8342e-04, 2.3059e-01],  
[4.2246e+00, 1.6114e-03, 2.2698e-01],  
[2.2671e+01, 1.4550e-01, 1.4067e+00],  
[6.1194e-01, 6.5189e-05, 4.6222e-02],  
[1.0261e+02, 5.4005e-01, 4.1748e+00],  
[9.2716e-03, 1.6810e-08, 1.4086e-03],  
[3.6647e+01, 1.1706e-01, 1.2106e+00],  
[5.6194e+01, 3.3819e-01, 1.0986e+00],  
[4.9133e-01, 8.5231e-05, 5.3575e-02],  
[3.7185e+01, 1.4612e-01, 1.7274e+00],  
[2.1802e+01, 4.2895e-02, 1.1847e+00],  
[1.9244e+01, 8.6317e-02, 6.3805e-01],  
[3.0728e-01, 8.6041e-06, 3.1648e-02],

[1.7397e-01, 1.0224e-05, 1.9998e-02],  
 [4.0712e-01, 7.5565e-05, 4.2159e-02],  
 [7.7516e-01, 2.7672e-04, 6.7764e-02],  
 [5.3916e-01, 3.8407e-05, 5.5237e-02],  
 [2.1351e+00, 2.0875e-04, 1.2340e-01],  
 [1.1083e+01, 2.9985e-02, 5.2907e-01],  
 [2.4541e+00, 3.3577e-03, 2.8449e-01],  
 [1.1339e-01, 2.6011e-06, 1.3953e-02],  
 [7.0073e+00, 6.4231e-02, 7.2257e-01],  
 [6.0659e+01, 4.8777e-01, 1.9173e+00],  
 [8.9099e+00, 1.2271e-02, 5.9372e-01],  
 [8.0665e-01, 5.6965e-04, 1.0682e-01],  
 [8.9884e+01, 4.0503e-01, 3.7510e+00],  
 [3.2328e+00, 8.3663e-05, 1.8666e-01],  
 [7.5073e+01, 7.0113e-01, 2.4188e+00],  
 [2.2812e+02, 8.2171e+00, 4.5188e+00],  
 [1.2530e+00, 4.3906e-04, 1.1127e-01],  
 [2.2995e+02, 4.1479e+00, 3.7482e+00],  
 [3.4708e+02, 1.0528e+01, 5.2036e+00],  
 [2.1234e+00, 4.5288e-04, 2.4355e-01],  
 [3.4748e+01, 5.7518e-02, 1.2289e+00],  
 [2.7262e+00, 1.7649e-03, 1.8683e-01],  
 [3.0178e+01, 1.2031e-01, 1.6674e+00],  
 [8.6142e+01, 2.8209e-01, 2.9948e+00],  
 [4.2819e+00, 2.5369e-03, 3.0207e-01],  
 [1.0233e+00, 1.2468e-04, 6.1179e-02],  
 [2.7725e-01, 1.1050e-05, 3.3483e-02],  
 [1.6875e+01, 6.2823e-02, 6.3034e-01],  
 [9.4099e+01, 1.1329e+00, 4.1631e+00],  
 [4.8435e+00, 1.0196e-02, 2.7933e-01],  
 [2.3798e+01, 6.6172e-02, 6.2717e-01],  
 [1.0110e-02, 1.6963e-08, 1.5155e-03],  
 [2.4655e+00, 6.4433e-04, 2.6387e-01],  
 [2.1943e-01, 2.6182e-05, 2.1526e-02],  
 [1.3981e-01, 1.9823e-06, 1.8295e-02],  
 [4.1466e+01, 3.8312e-01, 1.6700e+00],  
 [2.3234e-02, 4.6484e-07, 3.3895e-03],  
 [4.8691e+01, 2.9677e-01, 2.6298e+00],  
 [3.1703e+01, 7.7624e-02, 1.1372e+00],  
 [1.4118e-01, 4.1699e-06, 1.6926e-02],  
 [9.1237e+00, 1.2641e-02, 4.8305e-01],  
 [1.9787e+00, 6.9626e-03, 2.4994e-01],  
 [1.7139e-02, 1.6428e-07, 2.6082e-03],  
 [3.4389e+00, 2.9979e-03, 2.4033e-01],  
 [3.9331e+02, 1.4618e+01, 5.2052e+00],  
 [1.4684e+02, 3.3381e+00, 4.1375e+00],  
 [3.8369e+01, 2.1241e-01, 8.8861e-01],  
 [4.1802e-01, 4.2626e-05, 4.7857e-02],

```

[1.2134e+01, 3.3679e-02, 7.2975e-01],
[6.6924e+01, 8.8195e-01, 1.4875e+00],
[2.7840e-02, 9.2407e-07, 4.1194e-03],
[2.0910e+01, 1.5473e-02, 6.9546e-01]], dtype=torch.float64)
Iteration: 201
Inputs: tensor([[9.6220e+20, 2.8486e+02, 2.1803e+00, 5.5265e+00],
[2.1023e+18, 2.9754e+02, 1.1273e+01, 8.1871e+00],
[1.1217e+19, 4.6479e+02, 1.2379e+01, 7.1016e+00],
...,
[2.4373e+20, 1.8851e+02, 2.6786e+00, 6.3190e+00],
[1.2407e+20, 1.2748e+02, 1.7285e+01, 6.1840e+00],
[2.4758e+20, 2.2935e+02, 4.1463e+00, 7.8139e+00]], dtype=torch.float64)
Target: tensor([[2.6616e+02, 3.1509e+00, 5.0373e+00],
[3.7491e-01, 5.9056e-05, 3.6218e-02],
[5.6465e+00, 6.1190e-03, 2.8853e-01],
[7.6667e-01, 7.4613e-05, 9.2914e-02],
[5.0195e-01, 6.6271e-05, 5.1539e-02],
[1.4162e+01, 3.1520e-02, 5.7595e-01],
[4.1926e+01, 3.0657e-01, 1.6572e+00],
[4.3582e-01, 4.5425e-05, 4.5732e-02],
[1.7157e+02, 4.3455e+00, 3.3088e+00],
[2.6942e+00, 2.8248e-03, 2.0969e-01],
[4.2639e-02, 6.6212e-07, 5.9407e-03],
[2.3953e-01, 2.7248e-06, 2.7751e-02],
[2.8734e+01, 5.6722e-02, 8.8277e-01],
[2.2635e+02, 5.0720e+00, 3.7344e+00],
[1.8005e+02, 4.1189e+00, 3.3402e+00],
[3.7072e+01, 2.6184e-01, 1.4651e+00],
[9.6315e-01, 2.1020e-04, 7.5453e-02],
[9.8313e+01, 6.0910e-02, 3.3204e+00],
[8.6310e+01, 1.7835e+00, 2.7231e+00],
[8.9146e+01, 5.2590e-02, 3.0920e+00],
[1.3772e+01, 9.3902e-03, 1.4284e+00],
[2.5684e+00, 4.7297e-03, 2.3750e-01],
[3.7411e-01, 1.8210e-05, 3.7204e-02],
[9.1773e-02, 4.0108e-06, 1.1905e-02],
[3.5542e+01, 1.9437e-01, 1.1689e+00],
[4.1294e-01, 1.2030e-05, 4.3539e-02],
[3.5855e-01, 4.5393e-05, 4.1773e-02],
[4.4354e+01, 1.8026e-01, 2.5903e+00],
[2.6317e+01, 1.4823e-01, 8.3908e-01],
[1.1269e+01, 1.2651e-03, 5.8642e-01],
[9.0428e+01, 9.6217e-01, 2.2821e+00],
[6.6259e+01, 1.6740e-01, 2.0309e+00],
[2.5471e+02, 2.1408e+00, 4.7918e+00],
[1.2293e-01, 5.1165e-06, 1.5441e-02],
[4.2135e-01, 2.0037e-05, 5.4212e-02],
[2.1043e-01, 7.8725e-06, 2.5524e-02],

```

[1.1391e+01, 6.9423e-02, 1.0159e+00],  
[1.6146e+00, 4.5846e-04, 1.0887e-01],  
[7.4642e+00, 2.2098e-02, 4.3604e-01],  
[3.2205e+00, 2.6348e-03, 2.2726e-01],  
[2.0179e-01, 1.9729e-05, 2.1378e-02],  
[2.0972e-01, 1.6936e-05, 2.5602e-02],  
[5.7747e+01, 3.3638e-01, 1.5882e+00],  
[9.7897e-02, 8.4104e-07, 1.2460e-02],  
[7.9167e+00, 6.6242e-03, 4.2182e-01],  
[1.1610e+02, 4.3969e-01, 3.5433e+00],  
[5.6535e+00, 1.0956e-02, 5.3335e-01],  
[4.5265e+01, 2.5888e-01, 3.0420e+00],  
[4.1005e+01, 2.8046e-02, 1.6882e+00],  
[1.0069e+01, 2.2226e-02, 5.1035e-01],  
[1.3616e+01, 1.2419e-01, 1.1090e+00],  
[2.8081e-01, 2.8616e-05, 3.3969e-02],  
[3.0019e+01, 3.4478e-01, 1.0486e+00],  
[1.0248e+01, 4.2787e-02, 7.1558e-01],  
[6.3276e-01, 1.6190e-04, 5.9761e-02],  
[4.8670e+00, 4.0024e-03, 2.3517e-01],  
[1.9897e+01, 1.9336e-02, 9.0744e-01],  
[4.8788e+00, 5.8011e-04, 2.6161e-01],  
[1.2800e+00, 1.7110e-05, 9.7968e-02],  
[1.5744e+02, 6.9891e-01, 3.9526e+00],  
[1.6013e+01, 4.3778e-03, 6.6643e-01],  
[2.3369e-01, 7.9522e-06, 2.5557e-02],  
[9.7635e+01, 1.4373e+00, 2.9954e+00],  
[1.1246e+01, 1.0209e-02, 9.5142e-01],  
[4.1852e+01, 4.2378e-03, 1.0393e+00],  
[1.2613e+02, 8.1145e-01, 3.4720e+00],  
[4.8309e+01, 1.4447e-01, 2.4123e+00],  
[4.5670e+01, 5.4523e-02, 2.2088e+00],  
[2.6685e+01, 1.3936e-01, 1.0385e+00],  
[2.1218e+01, 8.4402e-02, 1.4536e+00],  
[6.2356e+01, 4.9571e-01, 3.1964e+00],  
[6.2565e+00, 8.6957e-03, 2.8848e-01],  
[4.1670e+01, 1.0861e-01, 2.9502e+00],  
[2.5274e+00, 1.3188e-03, 1.5113e-01],  
[2.5398e+01, 2.3920e-01, 1.5790e+00],  
[1.6906e+01, 3.0684e-02, 6.9802e-01],  
[6.7970e+00, 2.1241e-03, 6.3887e-01],  
[3.7025e+00, 1.1421e-03, 2.7924e-01],  
[1.4283e+01, 6.3907e-02, 1.0577e+00],  
[1.4874e+01, 5.3610e-02, 9.2499e-01],  
[2.7906e+01, 3.6294e-02, 1.8486e+00],  
[1.7429e+00, 9.1367e-04, 1.6061e-01],  
[1.1011e+01, 1.2829e-02, 6.4315e-01],  
[4.8489e+01, 5.7876e-01, 3.1416e+00],

[1.3708e-01, 4.1831e-07, 1.5326e-02],  
 [4.5367e-02, 6.4373e-07, 6.1269e-03],  
 [1.4753e+02, 1.0318e-01, 3.0293e+00],  
 [1.7806e+01, 3.1728e-03, 9.9911e-01],  
 [8.6562e+01, 1.0038e+00, 2.2761e+00],  
 [1.7709e+02, 5.8533e+00, 4.5549e+00],  
 [1.4119e+00, 3.8426e-04, 1.1242e-01],  
 [1.5596e+00, 5.7088e-04, 1.9969e-01],  
 [6.0281e+00, 1.4666e-02, 5.6565e-01],  
 [1.8312e+00, 4.3459e-04, 1.2103e-01],  
 [5.1831e+00, 3.5556e-03, 3.4940e-01],  
 [8.3706e-03, 2.0048e-08, 1.2671e-03],  
 [3.0172e+01, 1.1254e-01, 1.0116e+00],  
 [1.0621e+02, 1.9854e+00, 2.4589e+00],  
 [1.0615e+01, 4.5584e-02, 5.2168e-01],  
 [1.4750e-01, 2.2025e-06, 1.8425e-02],  
 [1.8442e+01, 1.0049e-01, 8.2979e-01],  
 [7.7531e+01, 7.4306e-01, 1.5216e+00],  
 [2.8054e+00, 1.0083e-03, 2.0731e-01],  
 [7.5170e-01, 2.9902e-04, 1.0606e-01],  
 [9.2808e-01, 5.6065e-04, 1.1241e-01],  
 [3.2135e+00, 1.5356e-03, 1.5149e-01],  
 [3.4697e-01, 2.8635e-05, 4.4131e-02],  
 [1.7044e+00, 1.7948e-04, 1.3783e-01],  
 [2.7792e-01, 3.3970e-05, 3.0063e-02],  
 [3.7649e+01, 1.1808e-01, 1.6691e+00],  
 [4.2425e+01, 9.1193e-03, 9.6839e-01],  
 [4.3035e+00, 4.8053e-03, 3.9758e-01],  
 [2.6897e-02, 3.1683e-07, 3.8158e-03],  
 [2.5057e-02, 4.7047e-07, 3.6931e-03],  
 [1.7447e+00, 6.0828e-04, 2.0707e-01],  
 [3.5147e+01, 6.5460e-02, 1.2359e+00],  
 [5.2838e+01, 7.7629e-01, 1.7071e+00],  
 [8.8237e-02, 1.9103e-06, 1.1302e-02],  
 [2.6719e-02, 1.2410e-07, 3.9916e-03],  
 [5.5593e+01, 5.2051e-01, 2.3905e+00],  
 [1.6566e+01, 2.9739e-02, 7.3501e-01],  
 [4.1458e-01, 8.7443e-05, 3.9373e-02],  
 [1.9014e+00, 1.3457e-03, 1.5150e-01],  
 [2.7769e+01, 9.9362e-03, 1.3733e+00],  
 [1.8859e-03, 6.2055e-10, 3.0794e-04],  
 [3.0129e+00, 4.6109e-03, 2.0340e-01],  
 [4.7399e+00, 8.6543e-03, 3.3234e-01],  
 [4.2390e+01, 5.8108e-01, 1.4540e+00],  
 [1.0168e-01, 7.0652e-07, 1.4203e-02],  
 [1.6858e+01, 1.2301e-02, 9.5394e-01],  
 [8.8698e+00, 6.2345e-04, 4.1473e-01],  
 [1.8384e+02, 6.5391e+00, 3.9881e+00],



[2.3176e+01, 1.8337e-01, 9.5393e-01],  
[4.5167e+01, 4.2558e-01, 2.0160e+00],  
[7.4154e+00, 3.4874e-02, 5.2678e-01],  
[2.0201e+02, 2.4815e+00, 4.1149e+00],  
[1.1956e+01, 2.8335e-02, 8.1530e-01],  
[6.4599e+00, 3.8279e-03, 2.9512e-01],  
[4.0881e+01, 4.6196e-01, 2.1106e+00],  
[1.7505e+00, 7.3838e-04, 1.3186e-01],  
[7.5530e-01, 1.0419e-04, 5.6068e-02],  
[2.2447e-01, 2.2425e-05, 2.8550e-02],  
[1.0488e+00, 1.6419e-05, 1.0544e-01],  
[1.5359e-02, 2.0315e-08, 2.2975e-03],  
[3.4649e+00, 1.0455e-03, 2.1927e-01],  
[1.2676e+01, 6.2125e-02, 8.6468e-01],  
[9.4120e+00, 2.0132e-02, 4.8298e-01],  
[6.6380e-01, 2.3252e-04, 5.5057e-02],  
[4.4474e+01, 2.3059e-01, 8.7509e-01],  
[2.1894e+01, 1.1261e-01, 1.0917e+00],  
[1.2571e+00, 3.1564e-05, 1.1802e-01],  
[3.6374e-02, 1.3326e-06, 5.3461e-03],  
[4.7990e-03, 4.1048e-09, 7.7219e-04],  
[1.1855e+02, 1.4027e+00, 3.0461e+00],  
[6.8494e+01, 8.8920e-01, 2.6457e+00],  
[1.6572e-01, 4.2809e-05, 2.3497e-02],  
[2.9630e-02, 4.6241e-07, 4.4846e-03],  
[1.9199e-01, 1.0298e-05, 2.3539e-02],  
[6.4626e-01, 2.3871e-05, 5.7527e-02],  
[3.8437e+00, 1.1097e-02, 3.4852e-01],  
[1.2401e+02, 4.1625e+00, 3.6105e+00],  
[6.0554e+01, 4.0029e-01, 1.9686e+00],  
[1.0556e+00, 4.4998e-04, 9.4090e-02],  
[1.0314e+02, 2.4934e+00, 2.9414e+00],  
[1.5210e+01, 3.7219e-02, 7.5376e-01],  
[1.7551e+02, 7.0414e+00, 4.3120e+00],  
[4.7792e+01, 7.4564e-01, 1.5149e+00],  
[9.8667e-01, 4.5252e-05, 7.4702e-02],  
[5.9946e-01, 1.1058e-05, 6.3167e-02],  
[2.5803e+01, 6.7349e-02, 1.0266e+00],  
[1.1687e+00, 2.8182e-04, 1.0440e-01],  
[5.3634e+01, 3.2488e-01, 1.3023e+00],  
[2.8180e-01, 6.4968e-05, 3.3351e-02],  
[2.5813e+01, 1.0636e-01, 1.6226e+00],  
[1.0339e-01, 1.6143e-06, 1.3900e-02],  
[3.2796e-01, 9.6574e-06, 3.8121e-02],  
[6.6643e+00, 1.8981e-02, 3.5337e-01],  
[1.2592e+00, 2.9354e-05, 9.9460e-02],  
[7.2502e+00, 1.1062e-02, 4.3529e-01],  
[3.5277e+01, 2.3812e-01, 2.2877e+00],

[1.9464e-01, 6.7037e-06, 2.1483e-02],  
 [4.2269e+01, 5.7471e-02, 1.7250e+00],  
 [1.8585e-01, 1.2560e-05, 1.9927e-02],  
 [4.7797e-01, 7.0051e-05, 5.1931e-02],  
 [2.2618e-01, 2.9422e-05, 2.2279e-02],  
 [1.8485e-01, 1.3583e-05, 2.3821e-02],  
 [2.1929e+00, 3.2853e-03, 2.1461e-01],  
 [1.8026e-01, 2.7596e-05, 2.2949e-02],  
 [6.2065e-02, 8.0696e-07, 9.4131e-03],  
 [9.3116e+01, 9.2237e-01, 1.7117e+00],  
 [6.1622e-02, 3.1578e-07, 8.5260e-03],  
 [1.1689e+01, 7.3961e-02, 8.7575e-01],  
 [3.5642e+01, 1.0413e-01, 1.5290e+00],  
 [1.0073e+01, 1.1022e-02, 5.1018e-01],  
 [1.5744e+02, 2.3020e+00, 2.4057e+00],  
 [9.7319e-03, 6.4093e-08, 1.5271e-03],  
 [1.7698e+01, 5.0589e-02, 6.3175e-01],  
 [2.7311e+02, 1.2495e+01, 5.0682e+00],  
 [1.5252e-01, 4.5398e-06, 1.7582e-02],  
 [2.1632e-02, 9.6215e-08, 3.2871e-03],  
 [1.1661e+00, 1.0024e-03, 1.0692e-01],  
 [1.1621e+00, 1.4480e-04, 1.3911e-01],  
 [7.2553e+00, 2.0245e-02, 5.8217e-01],  
 [4.2031e-01, 4.4602e-05, 3.7401e-02],  
 [1.5220e+00, 7.6328e-04, 1.7545e-01],  
 [7.3148e+00, 1.1757e-02, 3.8920e-01],  
 [1.9111e+01, 1.8276e-01, 1.2699e+00],  
 [1.9060e+01, 7.3495e-02, 1.7354e+00],  
 [2.9801e+00, 1.9843e-03, 2.2629e-01],  
 [1.7366e+01, 8.5584e-02, 8.4121e-01],  
 [1.9702e+00, 2.4686e-03, 1.9760e-01],  
 [3.2937e-01, 1.0646e-05, 3.2071e-02],  
 [9.0222e+00, 1.5689e-02, 5.7567e-01],  
 [4.9735e+01, 9.3128e-02, 1.1281e+00],  
 [4.8514e+01, 6.4234e-01, 2.4040e+00],  
 [2.0114e+00, 5.1959e-03, 2.6883e-01],  
 [1.7455e+01, 9.8273e-02, 1.1548e+00],  
 [8.4734e+01, 4.8673e-01, 2.3363e+00],  
 [2.1732e+01, 3.1367e-02, 7.9596e-01],  
 [2.0401e-01, 3.0601e-05, 1.9917e-02],  
 [1.0007e+02, 1.1110e+00, 2.2569e+00],  
 [6.0194e+01, 5.5652e-01, 2.1746e+00],  
 [2.0099e+02, 4.2942e-01, 3.3695e+00],  
 [5.1422e+01, 2.0913e-01, 1.4606e+00],  
 [6.3779e-02, 2.4624e-06, 8.3391e-03],  
 [2.2026e+01, 1.2428e-01, 1.0683e+00],  
 [3.4556e+01, 1.8279e-01, 1.5460e+00],  
 [8.7206e+00, 5.1506e-03, 8.1988e-01],

[1.9835e+01, 5.1339e-02, 6.9434e-01],  
[1.7986e-01, 1.0708e-05, 1.9199e-02],  
[4.2491e+00, 4.6200e-03, 2.6205e-01],  
[8.4744e+00, 1.7059e-02, 4.4873e-01],  
[6.0834e+00, 1.9687e-02, 4.0766e-01],  
[4.3914e+01, 7.1448e-01, 1.5084e+00],  
[8.0414e-04, 1.3284e-10, 1.3168e-04],  
[1.0118e+02, 6.8316e-01, 2.4715e+00],  
[1.3405e+02, 3.6118e+00, 3.4333e+00],  
[8.6006e+01, 1.4579e+00, 3.1076e+00],  
[2.9007e+00, 2.1240e-03, 2.1764e-01],  
[1.6319e+00, 1.2790e-03, 1.2161e-01],  
[1.3808e+01, 6.2945e-02, 8.8501e-01],  
[7.5710e-01, 8.9159e-05, 5.0697e-02],  
[1.4572e+00, 5.7705e-04, 1.2574e-01],  
[3.4575e-01, 4.2209e-05, 3.7674e-02],  
[9.2298e+00, 9.7583e-04, 3.5251e-01],  
[1.5204e-01, 1.0959e-05, 1.8193e-02],  
[1.2344e+01, 1.6561e-02, 4.1296e-01],  
[3.5724e+01, 4.9967e-01, 1.7499e+00],  
[1.3342e+00, 1.9010e-04, 1.4536e-01],  
[1.9488e+01, 2.6830e-02, 1.3075e+00],  
[3.6980e+01, 3.5018e-02, 1.7637e+00],  
[1.9480e-02, 7.1535e-08, 3.0077e-03],  
[5.0543e+00, 4.3964e-03, 2.2398e-01],  
[1.9885e+01, 7.8598e-03, 9.4853e-01],  
[4.4739e+01, 1.3485e-01, 1.7937e+00],  
[8.2999e+00, 1.0953e-02, 5.4298e-01],  
[9.2478e-02, 5.4331e-06, 1.3322e-02],  
[1.1828e-01, 8.7083e-06, 1.7063e-02],  
[1.6228e+02, 3.7961e+00, 3.7261e+00],  
[3.5612e+01, 1.4243e-01, 2.0053e+00],  
[5.1674e+00, 1.4979e-02, 5.8366e-01],  
[1.1158e+02, 1.2493e+00, 3.9233e+00],  
[9.8723e+00, 9.0625e-03, 5.2482e-01],  
[3.3143e+01, 7.2765e-02, 1.7121e+00],  
[2.6554e+00, 2.4525e-03, 1.7012e-01],  
[7.4687e+00, 3.5354e-03, 4.5073e-01],  
[4.2485e+01, 2.6392e-01, 2.5950e+00],  
[6.0346e-01, 3.5074e-05, 5.9892e-02],  
[1.6088e+01, 5.5216e-02, 7.1288e-01],  
[5.8280e+01, 8.9037e-01, 2.3628e+00],  
[2.5652e+02, 5.6953e+00, 5.0893e+00],  
[1.0237e+02, 3.3374e-01, 2.0984e+00],  
[3.0447e+01, 6.6359e-02, 9.4245e-01],  
[9.3911e+01, 1.2265e+00, 2.6612e+00],  
[4.0374e+01, 1.6624e-01, 2.1731e+00],  
[1.4264e+01, 7.1532e-02, 8.2210e-01],

```

[1.9021e+00, 1.1575e-03, 1.5907e-01],
[5.7933e-01, 2.6269e-04, 6.6075e-02],
[8.1646e+01, 6.6095e-01, 3.5258e+00],
[3.3293e+00, 1.1660e-03, 2.2238e-01],
[4.2204e+01, 2.2927e-01, 1.5389e+00],
[6.8767e-01, 2.6130e-04, 7.7267e-02],
[1.0082e+01, 3.3908e-02, 5.9550e-01],
[1.7420e-01, 5.8752e-06, 1.8130e-02],
[6.3878e+01, 2.4467e-01, 1.8862e+00],
[5.5581e-02, 2.4107e-07, 7.5855e-03],
[2.3443e-02, 7.8859e-07, 3.3514e-03],
[4.9395e+01, 6.3793e-01, 1.6262e+00],
[9.7719e+01, 7.0168e-01, 3.9196e+00],
[6.6100e+00, 1.6746e-03, 5.5754e-01],
[1.5318e-01, 1.3763e-05, 2.3138e-02],
[3.0182e+01, 7.8162e-02, 1.4612e+00],
[2.3001e+01, 4.7277e-02, 7.1887e-01],
[1.4667e-02, 1.5335e-07, 2.1483e-03],
[2.0874e+00, 2.6309e-03, 2.0183e-01],
[9.7262e-02, 3.0695e-06, 1.3413e-02],
[9.0477e+01, 8.1178e-01, 1.8983e+00],
[1.4029e-01, 1.6804e-05, 1.9626e-02],
[8.6385e+01, 7.8825e-01, 3.3870e+00],
[6.4513e+01, 6.1156e-01, 1.5074e+00],
[2.1907e-01, 3.4944e-06, 2.2555e-02],
[5.5775e+01, 2.9611e-01, 1.3688e+00],
[8.4498e+01, 2.4016e-01, 2.2912e+00],
[9.9379e+00, 5.4705e-03, 4.3849e-01],
[9.0677e+01, 1.1886e+00, 2.4604e+00],
[1.0967e+02, 1.4891e+00, 3.0259e+00],
[3.8085e-01, 4.0706e-05, 3.6919e-02],
[8.1788e+01, 1.1876e+00, 1.8620e+00],
[2.8695e+02, 8.1431e+00, 4.5483e+00],
[9.2569e-01, 2.9940e-04, 9.4454e-02],
[3.6515e+00, 8.3517e-03, 2.8893e-01],
[2.7382e-01, 1.5916e-05, 3.1487e-02],
[1.4294e-02, 7.5048e-08, 2.0891e-03],
[2.9792e+01, 5.3284e-01, 1.9766e+00],
[1.3752e+01, 2.3688e-02, 5.6042e-01],
[2.2127e-01, 1.0035e-05, 2.4894e-02],
[2.2665e+02, 1.9964e+00, 3.4915e+00],
[8.0004e+01, 4.5300e-01, 2.2968e+00],
[1.3491e+01, 7.1634e-02, 9.6831e-01],
[8.8253e+01, 8.7206e-01, 2.3479e+00]], dtype=torch.float64)

```

Iteration: 202

```

Inputs: tensor([[1.2663e+19, 2.9310e+02, 1.8910e+01, 6.9569e+00],
               [7.1799e+19, 3.7598e+02, 1.9636e+01, 8.3126e+00],
               [4.9461e+20, 2.2851e+02, 1.0303e+01, 6.9922e+00],

```

```

...,
[6.0366e+18, 2.4012e+02, 3.4795e+00, 9.5816e+00],
[2.6715e+18, 2.5116e+02, 1.3044e+01, 2.1638e+00],
[2.1472e+18, 2.2399e+02, 6.9443e+00, 3.9188e+00]], dtype=torch.float64)
Target: tensor([[2.7438e+00, 3.0598e-03, 2.1345e-01],
[2.9569e+01, 3.0583e-01, 1.0851e+00],
[1.0321e+02, 1.6127e+00, 3.2902e+00],
[4.4105e+00, 1.6641e-03, 3.6279e-01],
[1.4168e+01, 1.1182e-01, 8.1569e-01],
[1.2215e+01, 9.8287e-03, 5.9591e-01],
[4.5240e+00, 2.2541e-02, 5.0404e-01],
[6.2793e-01, 6.3384e-05, 7.2151e-02],
[2.4631e+02, 7.2306e+00, 5.0532e+00],
[1.7222e+01, 9.0386e-03, 7.6036e-01],
[1.5446e+02, 3.1016e+00, 4.2072e+00],
[6.0627e+00, 2.1127e-03, 4.7740e-01],
[1.6733e+01, 2.3168e-02, 5.7316e-01],
[3.9032e-01, 4.9176e-05, 4.6243e-02],
[1.4883e-02, 1.4625e-07, 2.1668e-03],
[2.7092e+01, 7.0595e-02, 2.1132e+00],
[3.3298e+00, 2.1399e-03, 1.8960e-01],
[3.0605e+01, 6.8273e-02, 9.3214e-01],
[6.6842e-01, 9.8153e-05, 7.8969e-02],
[7.0930e-03, 5.1667e-08, 1.0845e-03],
[1.1377e+00, 1.0115e-04, 1.2127e-01],
[6.6753e-02, 1.2131e-06, 9.1288e-03],
[4.9152e-01, 6.5409e-06, 5.4013e-02],
[1.9250e+00, 7.3376e-04, 1.3580e-01],
[9.0460e+00, 1.5104e-02, 5.0259e-01],
[3.0595e+01, 2.1135e-01, 1.3092e+00],
[5.9967e-02, 5.9669e-07, 8.3089e-03],
[8.6244e+01, 5.9482e-01, 3.3180e+00],
[1.3982e+01, 4.0399e-02, 7.0449e-01],
[3.8202e-01, 9.7523e-05, 3.7850e-02],
[5.7136e+00, 3.9822e-03, 3.7162e-01],
[9.6823e-01, 7.3516e-04, 9.5077e-02],
[2.2114e+01, 1.5360e-01, 1.1068e+00],
[1.1219e+01, 4.2260e-02, 6.2540e-01],
[1.3607e+00, 2.4432e-04, 1.2355e-01],
[3.1606e-01, 1.7563e-05, 4.2176e-02],
[2.6177e+01, 6.5597e-02, 1.0129e+00],
[1.0141e+00, 4.1106e-04, 7.4966e-02],
[1.8380e+02, 7.1761e+00, 4.3596e+00],
[6.9591e+01, 1.4889e+00, 1.7369e+00],
[1.8060e+02, 3.6673e+00, 3.9369e+00],
[9.4978e-01, 3.9501e-04, 7.6993e-02],
[9.0851e-02, 5.0228e-06, 1.2780e-02],
[3.3362e+00, 7.1742e-03, 2.8989e-01],

```

[8.5981e+00, 7.0939e-03, 2.8182e-01],  
 [5.9331e-02, 1.3225e-06, 8.1980e-03],  
 [1.4124e+02, 2.3070e+00, 3.5514e+00],  
 [1.8689e+00, 2.3665e-04, 1.1233e-01],  
 [2.9596e-01, 2.0435e-05, 3.0401e-02],  
 [3.8527e+01, 7.6639e-02, 1.7190e+00],  
 [3.4634e+00, 3.1540e-03, 2.1516e-01],  
 [1.9662e+02, 6.3771e+00, 4.3050e+00],  
 [5.3370e+00, 5.3466e-03, 4.3139e-01],  
 [2.3806e+02, 4.1652e+00, 4.6768e+00],  
 [2.1266e+01, 1.1180e-01, 7.6977e-01],  
 [2.4307e-02, 5.4293e-08, 3.4847e-03],  
 [7.7785e+01, 2.1804e-01, 2.7892e+00],  
 [9.3931e-01, 6.4826e-04, 1.0101e-01],  
 [4.0639e-02, 2.2793e-07, 6.0960e-03],  
 [5.8973e-01, 2.5141e-04, 6.8085e-02],  
 [2.4787e+00, 3.5256e-04, 1.7593e-01],  
 [8.5816e-01, 1.0519e-04, 6.2489e-02],  
 [6.1607e+00, 1.2637e-02, 2.9416e-01],  
 [4.3748e+01, 4.5355e-02, 1.9155e+00],  
 [4.5206e+00, 5.1383e-03, 2.7408e-01],  
 [2.3944e-01, 1.8247e-05, 2.7450e-02],  
 [9.6819e+01, 2.2295e+00, 4.0929e+00],  
 [7.8351e+00, 1.8531e-03, 3.7945e-01],  
 [4.1537e-03, 9.3238e-10, 6.5024e-04],  
 [1.1098e-02, 1.2853e-08, 1.6860e-03],  
 [3.2246e+00, 6.5723e-04, 2.3325e-01],  
 [8.1565e+01, 1.7153e+00, 2.4464e+00],  
 [1.4824e-02, 7.0667e-08, 2.2409e-03],  
 [4.2513e-01, 7.1851e-05, 5.0745e-02],  
 [1.3045e+02, 2.6134e+00, 2.9521e+00],  
 [1.0321e+01, 1.4842e-02, 1.1054e+00],  
 [8.3287e+00, 1.0369e-02, 5.3601e-01],  
 [1.1593e+00, 1.7080e-04, 9.5125e-02],  
 [1.9771e+02, 6.8222e+00, 4.4751e+00],  
 [4.4777e-01, 2.5393e-05, 3.1728e-02],  
 [8.9651e-02, 1.9289e-06, 1.1926e-02],  
 [1.6843e+00, 1.1342e-03, 1.2668e-01],  
 [7.8964e-01, 9.8328e-05, 5.1120e-02],  
 [1.4996e+01, 1.4611e-02, 5.5402e-01],  
 [1.0854e+02, 1.2534e+00, 2.3585e+00],  
 [3.1965e-01, 6.7302e-05, 4.2544e-02],  
 [2.2151e+01, 1.0087e-01, 1.1598e+00],  
 [1.8306e+00, 1.1798e-03, 2.3544e-01],  
 [6.5920e-01, 3.4849e-05, 5.0798e-02],  
 [6.4536e+01, 1.0477e+00, 2.2889e+00],  
 [2.3028e-02, 7.4520e-08, 3.4887e-03],  
 [2.0687e+00, 3.2529e-03, 2.4311e-01],

[3.1191e+01, 4.6274e-02, 1.4148e+00],  
 [7.0496e+00, 1.8587e-03, 2.7496e-01],  
 [1.7921e+01, 3.4801e-02, 8.8171e-01],  
 [2.8240e+01, 6.2724e-02, 8.9199e-01],  
 [1.1448e+02, 2.5053e-01, 3.3725e+00],  
 [1.6514e+01, 3.8860e-02, 8.3942e-01],  
 [2.0190e+01, 5.3075e-02, 7.6007e-01],  
 [4.2588e+00, 7.4060e-04, 3.6170e-01],  
 [7.3978e+01, 4.2957e-01, 2.2626e+00],  
 [5.6608e-02, 1.1456e-06, 7.5068e-03],  
 [1.4722e-01, 1.0587e-05, 1.6691e-02],  
 [3.6777e+01, 4.7730e-01, 1.1648e+00],  
 [1.1973e+01, 8.2058e-03, 7.5383e-01],  
 [1.3483e+02, 4.5322e+00, 3.9601e+00],  
 [7.0253e-02, 2.6647e-06, 9.5492e-03],  
 [1.9081e+02, 1.9621e+00, 4.2014e+00],  
 [3.2902e+02, 5.3405e+00, 4.5663e+00],  
 [3.4779e+01, 2.2321e-02, 1.0005e+00],  
 [2.9681e+00, 2.5778e-03, 2.6541e-01],  
 [7.5390e+00, 4.9919e-02, 7.5952e-01],  
 [1.6253e+02, 4.1244e+00, 3.4185e+00],  
 [1.1511e+00, 9.2837e-05, 9.9127e-02],  
 [2.4883e+02, 6.2605e+00, 4.8234e+00],  
 [2.6310e+00, 1.7916e-03, 2.3087e-01],  
 [6.5309e+01, 1.2610e+00, 2.7540e+00],  
 [8.0877e-01, 2.0721e-04, 7.9658e-02],  
 [2.0931e+01, 1.0206e-01, 7.6183e-01],  
 [2.0511e+02, 3.8039e+00, 4.6734e+00],  
 [3.8053e+00, 3.7927e-03, 3.9800e-01],  
 [4.6580e+00, 4.7548e-04, 3.3622e-01],  
 [2.0601e+01, 6.8483e-02, 6.8416e-01],  
 [1.0915e-01, 1.5758e-06, 1.4661e-02],  
 [2.7751e-02, 2.7564e-07, 4.0461e-03],  
 [5.0779e+01, 1.7159e-01, 3.1247e+00],  
 [1.2145e+00, 2.4582e-04, 9.8847e-02],  
 [1.1732e+01, 3.1480e-03, 5.3314e-01],  
 [1.0012e-01, 4.2347e-06, 1.1601e-02],  
 [6.1183e+01, 2.1085e-01, 1.2651e+00],  
 [1.7607e+02, 2.7322e+00, 3.7896e+00],  
 [5.6261e-01, 1.5032e-04, 6.3877e-02],  
 [9.7893e-01, 1.1145e-03, 1.1786e-01],  
 [1.8244e+01, 9.6087e-02, 9.4950e-01],  
 [6.1642e+00, 1.5344e-02, 3.1656e-01],  
 [2.3203e-03, 1.2038e-09, 3.7840e-04],  
 [3.8677e+00, 7.2517e-03, 2.8743e-01],  
 [1.2088e+01, 8.2824e-02, 6.6749e-01],  
 [3.1592e+01, 3.5210e-01, 1.2215e+00],  
 [2.5221e-01, 2.2960e-06, 2.8835e-02],

[4.0270e+00, 5.0573e-03, 4.6649e-01],  
 [5.0590e+00, 7.9897e-03, 3.4602e-01],  
 [1.2647e-02, 2.8464e-08, 1.8610e-03],  
 [1.8631e-02, 1.5245e-07, 2.6675e-03],  
 [1.5628e-01, 2.1180e-05, 1.9756e-02],  
 [6.7413e+01, 2.7074e-01, 1.6757e+00],  
 [1.7463e+00, 4.0852e-03, 2.1564e-01],  
 [3.3278e+01, 3.1457e-01, 2.0314e+00],  
 [1.1928e+02, 8.9632e-01, 3.2024e+00],  
 [1.1581e+01, 2.6453e-02, 8.5398e-01],  
 [3.8124e+01, 1.3405e-01, 2.4741e+00],  
 [3.4051e-03, 2.9148e-09, 5.3830e-04],  
 [4.3198e+01, 7.4041e-02, 1.2957e+00],  
 [9.5834e-02, 2.0145e-06, 1.2066e-02],  
 [8.2139e-01, 2.7028e-04, 7.3367e-02],  
 [8.8574e+01, 1.0869e+00, 1.6330e+00],  
 [1.2106e-01, 2.3714e-06, 1.6062e-02],  
 [3.7410e+00, 3.9169e-03, 2.9271e-01],  
 [2.2947e+00, 7.8993e-04, 1.2065e-01],  
 [1.1979e+02, 3.3449e+00, 2.9184e+00],  
 [2.8984e+00, 3.6464e-03, 2.5288e-01],  
 [2.3000e+01, 2.0373e-01, 9.2188e-01],  
 [3.3135e+01, 3.4613e-01, 2.1022e+00],  
 [7.0497e+00, 1.6307e-02, 5.2827e-01],  
 [1.9099e+01, 7.5697e-02, 1.8337e+00],  
 [1.9547e+02, 5.4342e+00, 4.3302e+00],  
 [1.0586e+02, 1.1700e+00, 3.0340e+00],  
 [1.9500e+02, 7.5802e+00, 4.9575e+00],  
 [3.2349e+00, 4.1550e-04, 1.5910e-01],  
 [4.0942e+01, 1.8055e-01, 1.2631e+00],  
 [2.5679e+01, 9.6561e-02, 1.1516e+00],  
 [3.8595e-01, 2.2789e-05, 4.9676e-02],  
 [8.1729e-01, 1.6503e-04, 7.6756e-02],  
 [3.5193e-01, 2.2735e-05, 4.3956e-02],  
 [8.2285e+00, 8.1896e-03, 6.3465e-01],  
 [1.6230e+00, 9.3218e-05, 1.5402e-01],  
 [5.1821e-02, 1.0706e-06, 7.4947e-03],  
 [5.2369e+01, 5.3909e-01, 1.2897e+00],  
 [2.3093e+00, 2.1978e-04, 1.0731e-01],  
 [1.7116e-02, 3.3943e-07, 2.4860e-03],  
 [1.3384e-04, 2.2655e-12, 2.2088e-05],  
 [5.1277e+00, 5.5957e-03, 3.1952e-01],  
 [3.0079e-01, 1.8557e-05, 2.7106e-02],  
 [2.4513e-01, 8.0513e-06, 3.0539e-02],  
 [7.2140e+00, 9.9655e-03, 8.6038e-01],  
 [9.5791e-02, 9.4246e-07, 1.2306e-02],  
 [5.1619e+00, 1.2414e-02, 5.5812e-01],  
 [1.0279e+00, 1.5038e-04, 7.8124e-02],



[2.1175e+00, 8.0366e-04, 1.5309e-01],  
[5.1871e-01, 8.8303e-05, 5.8166e-02],  
[2.7691e-01, 1.8371e-05, 2.9864e-02],  
[3.9610e+01, 2.9808e-01, 1.3454e+00],  
[1.5997e+02, 2.2693e+00, 2.5622e+00],  
[2.0560e+01, 3.9963e-02, 5.8151e-01],  
[4.5682e+01, 1.0327e-01, 1.6026e+00],  
[1.5328e+02, 3.9383e-01, 3.6209e+00],  
[1.9965e+02, 5.7317e-01, 3.8126e+00],  
[1.0418e-01, 3.7733e-06, 1.2808e-02],  
[6.8102e-01, 2.8456e-05, 6.0513e-02],  
[4.0842e+00, 5.4932e-03, 3.5719e-01],  
[3.2727e-01, 1.0757e-05, 3.3586e-02],  
[5.4768e-03, 2.5603e-08, 8.4347e-04],  
[2.9358e+02, 5.1632e+00, 4.5628e+00],  
[2.3198e-02, 1.3196e-07, 3.5493e-03],  
[1.8853e+00, 1.3213e-03, 1.2641e-01],  
[7.5100e-01, 1.4809e-04, 6.7822e-02],  
[8.9532e-02, 1.9970e-06, 1.1508e-02],  
[3.8890e+00, 5.1970e-03, 3.0525e-01],  
[9.2843e-01, 1.6219e-04, 1.1727e-01],  
[1.4479e+02, 3.4708e+00, 4.2066e+00],  
[1.1267e-01, 8.7199e-07, 1.3205e-02],  
[9.5898e-03, 3.3281e-08, 1.4445e-03],  
[1.1724e+01, 1.8845e-02, 4.3384e-01],  
[1.7744e+01, 7.2106e-02, 1.4434e+00],  
[5.0766e-01, 6.5754e-06, 4.8878e-02],  
[2.1736e-01, 1.7822e-06, 2.6268e-02],  
[1.8423e+01, 1.8145e-01, 1.0237e+00],  
[2.1033e+02, 4.6811e+00, 3.7007e+00],  
[5.5789e+01, 1.4360e-01, 3.4570e+00],  
[9.3007e+01, 9.9907e-01, 2.6156e+00],  
[2.2666e-02, 7.1781e-08, 3.2040e-03],  
[3.4111e+01, 2.9167e-01, 1.7181e+00],  
[1.3953e+02, 1.6798e+00, 4.6452e+00],  
[1.2652e-01, 1.9865e-06, 1.7019e-02],  
[3.4284e-02, 2.1216e-07, 4.8741e-03],  
[2.1206e-01, 1.5123e-05, 2.1319e-02],  
[9.3154e-02, 6.4674e-06, 1.1192e-02],  
[2.5161e+00, 2.7923e-04, 2.4079e-01],  
[9.7121e-01, 9.2616e-05, 1.1221e-01],  
[5.3902e+01, 2.5652e-01, 2.5511e+00],  
[1.6922e+00, 7.0475e-04, 1.6463e-01],  
[2.5602e+00, 4.8754e-03, 2.8139e-01],  
[1.5367e+00, 2.0260e-04, 1.1596e-01],  
[4.2052e-01, 5.0562e-05, 4.4883e-02],  
[6.3799e-01, 8.9957e-05, 7.1517e-02],  
[1.3200e+01, 2.9712e-02, 9.0271e-01],

[4.4546e+01, 3.2602e-01, 1.6287e+00],  
 [1.4887e+01, 2.3911e-02, 9.0133e-01],  
 [3.2746e+00, 9.2213e-04, 1.3398e-01],  
 [1.0881e+00, 2.7904e-04, 8.4425e-02],  
 [9.9501e+01, 1.0589e+00, 2.7716e+00],  
 [9.0496e+01, 2.4706e-01, 4.0918e+00],  
 [1.7359e-01, 1.7708e-05, 1.8127e-02],  
 [1.2387e+02, 7.8451e-01, 3.3610e+00],  
 [2.4862e+00, 1.7514e-03, 1.7678e-01],  
 [9.7281e-01, 1.1253e-04, 1.1453e-01],  
 [2.8326e-01, 7.8131e-05, 3.5965e-02],  
 [1.8206e-02, 3.5912e-07, 2.7778e-03],  
 [5.7193e+00, 2.0941e-03, 4.6764e-01],  
 [2.1453e+01, 6.7268e-02, 1.6749e+00],  
 [2.6117e+00, 1.2298e-04, 1.6922e-01],  
 [2.4133e+01, 7.7792e-02, 1.3400e+00],  
 [7.4090e+01, 3.3611e-01, 1.9617e+00],  
 [1.3903e+01, 2.8720e-02, 5.4650e-01],  
 [3.9586e-01, 6.9574e-05, 3.6828e-02],  
 [2.6480e-02, 6.5946e-07, 3.9671e-03],  
 [1.2156e+00, 2.0372e-04, 1.5627e-01],  
 [3.1934e-01, 4.6781e-05, 3.7655e-02],  
 [2.3641e+01, 1.6617e-01, 9.4034e-01],  
 [1.2212e+01, 1.1235e-02, 6.1849e-01],  
 [1.4321e+00, 4.3624e-04, 9.4004e-02],  
 [1.3382e-01, 1.0921e-05, 1.5344e-02],  
 [2.8961e-01, 1.7871e-05, 3.1337e-02],  
 [1.1008e+01, 4.0850e-02, 5.7408e-01],  
 [1.6666e+00, 3.8176e-04, 1.7460e-01],  
 [1.6436e+01, 3.8924e-02, 8.9509e-01],  
 [2.4315e+00, 1.1578e-03, 1.7137e-01],  
 [7.8298e+00, 1.7834e-02, 4.8656e-01],  
 [8.7254e-01, 2.3684e-04, 8.8027e-02],  
 [1.1101e+00, 4.7132e-04, 1.5385e-01],  
 [2.2341e+00, 1.9542e-04, 1.1386e-01],  
 [2.4159e-01, 3.2763e-05, 2.3729e-02],  
 [1.2887e+01, 7.7992e-03, 5.0610e-01],  
 [2.3751e+00, 9.4294e-04, 3.1411e-01],  
 [7.0883e+01, 1.3827e-01, 2.1551e+00],  
 [2.1726e-01, 2.7957e-05, 2.2422e-02],  
 [1.2397e+00, 2.0180e-04, 1.4855e-01],  
 [8.0453e+00, 4.6709e-03, 6.6582e-01],  
 [4.7531e-02, 3.3792e-07, 7.3843e-03],  
 [2.2447e+02, 4.7251e-01, 4.3422e+00],  
 [1.7553e-01, 5.4497e-06, 2.0476e-02],  
 [1.9468e+02, 3.2903e+00, 3.9866e+00],  
 [1.0410e-01, 1.3688e-06, 1.4394e-02],  
 [2.2566e+01, 4.0616e-02, 7.1510e-01],

```

[5.3982e+01, 6.8337e-01, 2.0546e+00],
[1.8375e+01, 9.3430e-03, 1.1663e+00],
[1.4212e+02, 6.6674e-01, 2.8223e+00],
[2.1694e+01, 6.2342e-02, 1.1425e+00],
[1.0433e+02, 3.0093e+00, 2.6895e+00],
[2.6774e-01, 1.4464e-05, 2.4886e-02],
[8.7620e-01, 1.4953e-04, 9.2746e-02],
[7.1253e+01, 7.5155e-01, 2.2062e+00],
[6.7287e-03, 4.8082e-08, 1.0368e-03],
[1.3037e+00, 7.8873e-05, 9.9442e-02],
[1.7655e-02, 7.5666e-08, 2.6476e-03],
[1.1466e+02, 2.3407e-01, 2.9386e+00],
[6.9639e-01, 6.1949e-05, 6.9220e-02],
[5.1740e+00, 3.7887e-03, 3.9020e-01],
[4.1588e+00, 2.3717e-03, 2.9759e-01],
[2.8580e-01, 2.7975e-05, 3.8876e-02],
[9.4449e+01, 1.0706e+00, 1.8247e+00],
[2.9705e-01, 9.2089e-06, 3.8330e-02],
[2.1432e+00, 1.7775e-03, 1.3286e-01],
[8.5797e+01, 1.4921e+00, 2.3439e+00],
[1.1043e-01, 4.6449e-06, 1.3550e-02],
[2.9702e+01, 1.0643e-01, 7.9788e-01],
[4.1854e+01, 1.3444e-01, 1.0234e+00],
[1.1161e+01, 2.0965e-02, 9.1396e-01],
[1.2528e+00, 5.5612e-04, 1.0091e-01],
[2.4875e-01, 2.6135e-05, 3.0811e-02],
[1.6467e+00, 7.7154e-05, 1.5793e-01],
[2.9716e-03, 1.7795e-09, 4.7124e-04],
[2.0187e+01, 9.0030e-03, 1.0261e+00],
[6.4390e+01, 8.1482e-01, 1.9169e+00],
[5.7463e-01, 4.0948e-05, 4.1450e-02],
[3.0187e-02, 5.6874e-07, 4.1721e-03],
[1.3175e+00, 2.9129e-04, 1.0851e-01],
[2.6136e+00, 1.3460e-03, 1.6102e-01],
[6.1979e-02, 6.6841e-07, 8.5856e-03],
[1.8894e-01, 5.4466e-06, 2.1733e-02]], dtype=torch.float64)
Iteration: 203
Inputs: tensor([[1.0012e+19, 1.4967e+02, 1.7874e+01, 6.9419e+00],
               [9.7799e+20, 1.5812e+02, 1.3167e+01, 4.4674e+00],
               [3.9165e+20, 1.5973e+02, 1.5707e+01, 7.9555e+00],
               ...,
               [2.3812e+20, 2.1575e+02, 1.3236e+01, 9.8786e+00],
               [2.3725e+19, 4.6895e+01, 3.9029e+00, 3.4856e+00],
               [8.3979e+19, 4.5434e+01, 2.8584e+00, 4.2548e+00]]), dtype=torch.float64)
Target: tensor([[7.3047e-01, 3.5364e-04, 8.1417e-02],
               [8.4456e+01, 9.1690e-01, 4.0627e+00],
               [5.5683e+01, 9.4666e-01, 2.5598e+00],
               [2.3560e-01, 1.2770e-05, 2.6129e-02],

```

[4.2718e-01, 6.1828e-05, 3.4346e-02],  
[1.1381e+02, 3.0926e-02, 4.1633e+00],  
[9.4868e+00, 1.8722e-03, 5.2898e-01],  
[2.0811e+01, 4.8394e-02, 1.5030e+00],  
[3.5101e+01, 2.1385e-01, 2.2881e+00],  
[1.5568e-01, 1.9403e-05, 1.7395e-02],  
[2.9787e+01, 2.8064e-01, 1.1667e+00],  
[8.8853e+01, 3.2895e-01, 4.0322e+00],  
[4.8210e+01, 8.2668e-01, 1.5470e+00],  
[8.9458e+01, 8.4868e-01, 3.8124e+00],  
[2.2645e-01, 1.0513e-05, 2.6367e-02],  
[1.0830e+00, 1.0995e-04, 8.0233e-02],  
[7.9103e+01, 7.4281e-01, 1.5804e+00],  
[4.1018e+01, 6.1391e-02, 1.2222e+00],  
[1.3239e+01, 3.2744e-02, 6.1784e-01],  
[1.0518e+01, 8.3429e-03, 5.9440e-01],  
[6.4739e+01, 1.8591e-01, 3.1853e+00],  
[1.6486e+00, 8.0142e-04, 1.4053e-01],  
[3.2462e+00, 4.6438e-04, 1.6409e-01],  
[2.3667e+01, 1.0747e-01, 9.5584e-01],  
[1.3324e+00, 2.3765e-04, 1.3158e-01],  
[3.1427e+01, 7.8329e-02, 9.2074e-01],  
[1.1534e+02, 1.5766e-01, 3.9384e+00],  
[8.1673e+00, 1.1278e-02, 8.2270e-01],  
[1.6387e+01, 2.8401e-02, 4.6150e-01],  
[1.3572e+00, 3.7671e-04, 1.0020e-01],  
[4.9832e+00, 3.2258e-03, 6.0036e-01],  
[1.6061e-01, 2.0868e-05, 1.7301e-02],  
[1.0340e+00, 2.2016e-05, 9.3711e-02],  
[2.4135e+01, 1.8904e-02, 7.2128e-01],  
[1.9608e+01, 1.4125e-02, 1.5793e+00],  
[1.7932e+01, 1.1784e-01, 9.4425e-01],  
[2.8132e-01, 4.2447e-05, 2.7092e-02],  
[4.2230e+01, 1.4869e-01, 1.0121e+00],  
[9.9862e-03, 8.2342e-08, 1.4937e-03],  
[6.4259e-01, 1.3751e-04, 6.9101e-02],  
[4.6344e+00, 1.9019e-03, 3.6172e-01],  
[1.0802e+00, 8.3175e-04, 1.2058e-01],  
[2.9985e+01, 1.9329e-01, 1.1062e+00],  
[8.0397e+01, 1.5548e+00, 2.2949e+00],  
[6.4664e+00, 4.5930e-03, 4.1603e-01],  
[5.9293e-01, 4.7877e-05, 4.4199e-02],  
[4.2182e+01, 8.2177e-02, 1.3398e+00],  
[1.8191e+00, 8.5035e-04, 1.2732e-01],  
[2.5090e+00, 2.2309e-03, 2.0755e-01],  
[2.7756e-01, 4.0349e-05, 3.3975e-02],  
[3.5116e-02, 1.2814e-06, 5.2101e-03],  
[2.1514e+01, 8.5480e-02, 9.1180e-01],

[2.2188e+01, 1.2924e-01, 1.0214e+00],  
[1.1582e+01, 1.7102e-02, 1.1573e+00],  
[5.0314e+00, 7.6240e-03, 3.2576e-01],  
[1.4589e+01, 3.1064e-02, 7.8467e-01],  
[1.6989e-02, 1.9215e-07, 2.4961e-03],  
[8.7567e-01, 4.3362e-05, 6.7894e-02],  
[2.1377e+00, 3.4762e-03, 2.1421e-01],  
[1.8182e+02, 6.4646e+00, 4.9277e+00],  
[6.3627e+01, 1.6947e-01, 2.0700e+00],  
[5.8651e+01, 1.3445e-01, 3.2806e+00],  
[9.8633e-04, 6.5668e-10, 1.5888e-04],  
[7.7899e-02, 1.6760e-06, 9.4099e-03],  
[2.2551e-01, 2.2747e-05, 2.2372e-02],  
[1.2659e+00, 3.9800e-04, 1.0569e-01],  
[2.4028e-01, 1.1551e-05, 2.5465e-02],  
[4.3500e-01, 7.2764e-05, 3.9213e-02],  
[3.3949e+01, 2.7419e-02, 9.8344e-01],  
[3.2009e+01, 6.6087e-02, 1.4016e+00],  
[9.0082e+01, 1.6084e+00, 2.2922e+00],  
[2.1881e+01, 1.7520e-01, 1.3926e+00],  
[6.3922e+00, 5.0207e-03, 4.7619e-01],  
[2.1805e+01, 9.6865e-02, 8.4647e-01],  
[2.5913e+00, 2.4058e-03, 3.0268e-01],  
[3.2439e-01, 3.8201e-05, 3.1217e-02],  
[3.4356e+01, 1.0700e-01, 2.2103e+00],  
[1.6914e+02, 5.2187e+00, 4.2617e+00],  
[3.5108e+01, 1.8868e-01, 1.5076e+00],  
[9.3625e+01, 7.2230e-01, 2.0333e+00],  
[2.2775e+02, 1.0540e+01, 4.4915e+00],  
[3.5869e+01, 1.9032e-01, 1.4713e+00],  
[1.0772e+02, 2.8410e+00, 2.5984e+00],  
[1.7283e+01, 4.7053e-02, 6.3789e-01],  
[2.9839e+01, 1.0593e-01, 1.0728e+00],  
[1.6216e+02, 3.9341e+00, 2.8231e+00],  
[9.7641e+00, 4.2352e-02, 6.0050e-01],  
[9.6999e-01, 1.4175e-04, 9.8426e-02],  
[7.0869e+00, 1.1621e-02, 4.0031e-01],  
[1.6211e+01, 3.1550e-03, 4.6572e-01],  
[3.6887e+00, 5.7668e-04, 2.6002e-01],  
[7.9916e+01, 3.9873e-02, 1.7893e+00],  
[1.2996e+01, 1.9677e-03, 5.4028e-01],  
[6.4674e+01, 7.6797e-01, 2.1358e+00],  
[2.8482e-01, 2.9480e-05, 2.6796e-02],  
[1.2115e+00, 1.7225e-03, 1.6373e-01],  
[1.7916e+00, 1.0732e-03, 1.5312e-01],  
[9.8929e-02, 6.8764e-06, 1.4837e-02],  
[1.4496e+02, 1.5474e+00, 2.2624e+00],  
[1.7730e+01, 2.5535e-02, 7.4014e-01],

[1.7320e+00, 2.4974e-04, 8.7880e-02],  
[4.0040e+01, 3.0568e-02, 1.5690e+00],  
[1.1650e+02, 2.0364e-01, 2.1035e+00],  
[2.8422e+01, 4.5590e-02, 2.2307e+00],  
[4.9864e+00, 2.3420e-03, 4.1315e-01],  
[8.1560e+00, 7.2826e-03, 3.9510e-01],  
[3.0589e-01, 1.8005e-05, 4.3293e-02],  
[4.2176e-01, 7.8228e-05, 4.5968e-02],  
[5.7822e+01, 1.2461e-01, 2.0209e+00],  
[2.1006e+01, 1.0775e-01, 8.7190e-01],  
[7.0472e-02, 9.8794e-07, 1.0468e-02],  
[3.9330e-01, 5.0424e-05, 4.1846e-02],  
[7.2807e-01, 1.1936e-04, 7.0507e-02],  
[1.9126e+02, 2.4973e+00, 3.4327e+00],  
[1.3812e+02, 1.9299e+00, 2.6363e+00],  
[8.5679e+00, 5.4998e-03, 3.2938e-01],  
[1.5062e+00, 4.4022e-04, 1.2630e-01],  
[3.8838e-01, 1.0399e-05, 4.2621e-02],  
[6.8752e+01, 8.4377e-01, 1.6318e+00],  
[1.5748e+01, 3.5023e-02, 1.5304e+00],  
[1.9895e-01, 6.3462e-06, 2.4816e-02],  
[4.8409e+01, 3.4650e-01, 1.6883e+00],  
[3.1358e+01, 1.2995e-01, 1.3089e+00],  
[4.5775e+00, 4.6145e-03, 3.1816e-01],  
[2.0194e+01, 2.5355e-02, 6.4993e-01],  
[4.8358e-01, 4.2896e-05, 3.5627e-02],  
[6.6804e+01, 3.4890e-02, 3.3454e+00],  
[1.5160e-01, 1.1143e-05, 1.7520e-02],  
[2.3430e+01, 9.3458e-03, 6.4216e-01],  
[5.3309e-01, 3.6944e-04, 6.8778e-02],  
[1.4443e-02, 5.1465e-08, 2.1718e-03],  
[1.7032e+02, 1.0290e+00, 4.4688e+00],  
[6.5742e+01, 6.2284e-01, 2.8437e+00],  
[1.6702e+00, 1.0192e-03, 1.4936e-01],  
[7.1750e-01, 1.1059e-04, 7.0372e-02],  
[2.2550e+00, 1.1155e-03, 2.2555e-01],  
[1.2455e+00, 4.5907e-04, 1.1257e-01],  
[2.2256e+00, 1.3122e-03, 2.1419e-01],  
[8.1177e+00, 6.5058e-03, 3.4246e-01],  
[8.3433e+01, 1.0532e+00, 2.4672e+00],  
[4.1488e+00, 8.7568e-04, 2.9313e-01],  
[1.5825e-01, 1.7005e-05, 1.8056e-02],  
[2.6548e-01, 5.8105e-06, 2.4173e-02],  
[3.5644e-01, 8.0100e-05, 5.1236e-02],  
[5.0081e+01, 4.3343e-01, 3.1620e+00],  
[2.2001e+01, 3.3059e-02, 6.6816e-01],  
[1.1104e+00, 5.8523e-05, 9.4402e-02],  
[4.3012e+01, 6.7465e-01, 1.6502e+00],

[9.0131e-01, 1.3357e-04, 6.0834e-02],  
[1.8468e-01, 3.9438e-06, 2.6039e-02],  
[1.9072e+00, 8.2684e-04, 1.7035e-01],  
[2.6156e-02, 6.1112e-07, 3.8273e-03],  
[2.0583e+01, 3.2793e-02, 7.1389e-01],  
[2.3203e-03, 9.6903e-10, 3.7089e-04],  
[1.5179e+01, 3.8036e-03, 5.5949e-01],  
[6.5997e+01, 4.0709e-02, 1.9490e+00],  
[6.7204e-01, 5.3483e-05, 7.4388e-02],  
[1.1776e+01, 2.5089e-02, 4.5324e-01],  
[2.0649e+01, 3.0233e-02, 1.1245e+00],  
[6.8697e+01, 3.5382e-01, 3.4074e+00],  
[1.1839e-01, 1.2179e-05, 1.3146e-02],  
[3.7583e+01, 3.5669e-01, 2.1640e+00],  
[1.2946e+01, 1.0767e-02, 8.8063e-01],  
[7.6798e+01, 7.9477e-01, 1.4560e+00],  
[3.5918e+00, 1.8033e-03, 2.5031e-01],  
[2.4832e-01, 2.2185e-05, 2.7475e-02],  
[1.7293e+01, 6.1904e-02, 1.0042e+00],  
[4.3827e+00, 1.4464e-02, 4.0698e-01],  
[2.5261e-01, 3.2554e-05, 2.6974e-02],  
[4.6793e-02, 1.2861e-06, 7.0090e-03],  
[1.0798e+00, 2.7987e-04, 7.2603e-02],  
[1.7977e+01, 2.0205e-02, 1.6817e+00],  
[1.1902e-01, 4.5282e-06, 1.3516e-02],  
[8.4718e-01, 3.5388e-05, 7.8032e-02],  
[6.4568e+00, 1.5902e-03, 2.4710e-01],  
[2.6917e+01, 1.0565e-02, 8.9781e-01],  
[5.1022e+01, 3.4072e-01, 1.9313e+00],  
[5.9253e+01, 1.1501e+00, 3.0471e+00],  
[8.6131e-02, 6.8517e-07, 1.2111e-02],  
[3.8115e+00, 5.1234e-03, 3.0310e-01],  
[3.5655e+01, 2.2494e-01, 1.1180e+00],  
[1.1028e+01, 2.1573e-02, 6.8877e-01],  
[6.5061e+01, 9.7608e-01, 2.2321e+00],  
[3.4991e+01, 3.6573e-02, 1.2458e+00],  
[1.1956e+01, 3.3327e-02, 6.8996e-01],  
[4.7056e+01, 2.5289e-01, 1.6454e+00],  
[1.3712e+02, 7.7266e-01, 3.7906e+00],  
[3.8206e+00, 1.2303e-02, 3.8659e-01],  
[7.7519e+00, 5.9359e-03, 3.4207e-01],  
[1.4674e+01, 5.1272e-03, 6.6979e-01],  
[1.2804e+01, 5.4348e-02, 7.2895e-01],  
[5.6002e-03, 3.7773e-09, 8.7288e-04],  
[1.9893e+01, 1.1528e-01, 8.4776e-01],  
[5.4549e+01, 1.0931e-01, 2.2370e+00],  
[6.0685e+01, 2.7902e-01, 2.7911e+00],  
[2.8009e+01, 2.3998e-02, 1.0473e+00],

[1.6278e+02, 2.5729e+00, 4.1510e+00],  
[6.5915e+00, 1.3199e-02, 5.2359e-01],  
[8.7707e+01, 1.3916e+00, 1.7736e+00],  
[2.5353e+00, 1.3936e-03, 1.7299e-01],  
[2.0314e-01, 1.1169e-05, 2.3234e-02],  
[1.4331e-01, 1.3573e-06, 1.5784e-02],  
[1.4964e+02, 5.3489e+00, 4.6022e+00],  
[1.8091e+00, 5.0999e-04, 2.4192e-01],  
[6.8675e+01, 9.8177e-01, 3.3858e+00],  
[4.7160e+00, 4.2311e-03, 3.5449e-01],  
[9.6657e-02, 7.8219e-06, 1.2513e-02],  
[7.6180e+00, 3.3314e-02, 5.2779e-01],  
[5.5756e-02, 5.0101e-06, 8.1849e-03],  
[2.2817e+02, 1.0050e+01, 4.7876e+00],  
[2.6169e+00, 2.0450e-03, 2.1499e-01],  
[9.4631e-01, 7.1999e-05, 1.1697e-01],  
[1.9903e+01, 9.7504e-02, 9.0816e-01],  
[8.9031e+00, 2.6997e-02, 4.3439e-01],  
[1.0847e-01, 2.6207e-06, 1.4399e-02],  
[1.6640e+01, 1.7499e-02, 5.5642e-01],  
[9.4994e-01, 2.8833e-04, 6.5041e-02],  
[1.1019e+01, 3.0345e-02, 4.6619e-01],  
[2.3504e+01, 3.2455e-02, 1.1715e+00],  
[6.4059e+00, 3.5240e-02, 6.8201e-01],  
[1.3851e+02, 1.0894e+00, 3.0995e+00],  
[6.5111e-02, 4.9277e-07, 8.6537e-03],  
[3.0328e-01, 2.3623e-05, 3.6239e-02],  
[1.8735e-01, 3.8318e-06, 1.9388e-02],  
[5.0578e-01, 1.6157e-04, 4.9286e-02],  
[6.1986e+00, 1.1171e-02, 3.4199e-01],  
[1.3622e-01, 1.7077e-06, 1.6951e-02],  
[3.8150e+00, 4.7161e-03, 2.5623e-01],  
[9.0094e+00, 1.4961e-02, 4.4869e-01],  
[4.6862e+01, 7.0686e-02, 1.7578e+00],  
[3.7098e+01, 1.9199e-01, 1.0326e+00],  
[1.5298e-02, 1.0078e-07, 2.3217e-03],  
[9.2635e+00, 6.2491e-03, 4.9616e-01],  
[1.1418e-02, 1.1561e-07, 1.7076e-03],  
[3.0024e+00, 1.1604e-03, 1.9209e-01],  
[5.4755e-01, 7.9826e-06, 3.6932e-02],  
[4.3072e+01, 3.9629e-01, 1.4980e+00],  
[1.2954e+02, 2.3047e+00, 3.0986e+00],  
[5.8030e+01, 5.4327e-01, 1.7973e+00],  
[8.6439e+01, 1.4610e+00, 2.8988e+00],  
[1.4653e-01, 2.6251e-06, 1.8550e-02],  
[6.3497e+00, 8.6275e-03, 3.4047e-01],  
[1.5171e+02, 2.4122e+00, 2.7219e+00],  
[1.7131e+00, 6.4225e-04, 1.1685e-01],



[8.5660e+00, 9.0393e-03, 3.2924e-01],  
[2.7242e+01, 1.6484e-02, 1.1580e+00],  
[4.1019e+01, 3.7105e-01, 1.6545e+00],  
[9.5725e-03, 3.0448e-08, 1.4902e-03],  
[5.0381e+01, 4.9535e-01, 1.3323e+00],  
[6.5459e-01, 7.4640e-06, 6.2423e-02],  
[5.3195e+01, 2.1401e-01, 3.1464e+00],  
[7.4259e+00, 9.1611e-03, 4.8764e-01],  
[6.8386e-01, 1.1652e-04, 6.6229e-02],  
[2.2661e+01, 6.5409e-02, 2.0443e+00],  
[9.2722e+01, 1.1083e-01, 2.7069e+00],  
[3.7060e+01, 1.2066e-01, 1.7255e+00],  
[9.1323e-01, 6.3902e-04, 1.2159e-01],  
[6.6819e-01, 1.3419e-05, 4.3924e-02],  
[1.7114e+02, 4.4284e+00, 4.3470e+00],  
[1.3258e+02, 2.6750e+00, 3.4328e+00],  
[7.6414e-02, 2.6724e-06, 9.5718e-03],  
[1.4969e+00, 5.7253e-04, 1.5863e-01],  
[1.3672e+01, 2.5424e-02, 6.3181e-01],  
[1.9759e-02, 6.0588e-07, 2.9153e-03],  
[2.6997e+01, 2.0683e-02, 8.4422e-01],  
[4.9088e-01, 6.0827e-05, 4.3076e-02],  
[8.8511e-01, 2.5888e-05, 6.6008e-02],  
[2.2566e+01, 1.1595e-01, 7.7305e-01],  
[1.2446e+00, 1.8378e-04, 1.3656e-01],  
[1.7921e+01, 1.8901e-02, 1.1476e+00],  
[1.8434e-02, 4.2180e-08, 2.7615e-03],  
[4.7991e+00, 4.3880e-03, 3.2277e-01],  
[4.3953e-01, 1.3218e-04, 5.1307e-02],  
[1.0269e-01, 4.5310e-06, 1.2167e-02],  
[5.0423e-04, 8.6624e-11, 8.2216e-05],  
[1.8018e+02, 4.1756e+00, 4.6070e+00],  
[1.9776e+01, 4.4932e-02, 1.1018e+00],  
[1.1686e+00, 2.6193e-04, 1.0939e-01],  
[2.3604e+00, 3.6435e-04, 1.6405e-01],  
[9.8765e-01, 2.8796e-04, 6.8902e-02],  
[1.1342e+02, 8.9324e-01, 3.7817e+00],  
[4.6920e+01, 3.1969e-02, 1.5317e+00],  
[1.7485e+00, 7.6933e-04, 1.6758e-01],  
[4.6808e+01, 3.1049e-01, 1.0440e+00],  
[6.9174e-01, 3.5306e-04, 6.9108e-02],  
[1.7079e+02, 3.6733e+00, 3.6025e+00],  
[1.0742e+02, 1.2306e+00, 1.9909e+00],  
[6.9277e+00, 1.6042e-02, 4.0537e-01],  
[8.3507e+01, 6.2158e-01, 3.1699e+00],  
[7.5842e+00, 1.1549e-02, 4.1583e-01],  
[9.0802e+00, 6.4354e-03, 7.4142e-01],  
[9.0526e+00, 3.0787e-02, 5.6042e-01],

```

[1.0627e+00, 1.9799e-04, 9.6169e-02],
[8.0590e+00, 2.9903e-02, 4.5444e-01],
[9.4873e-01, 1.2349e-04, 6.7556e-02],
[3.8232e-01, 4.9987e-05, 3.4865e-02],
[3.2640e+01, 1.8500e-01, 8.6791e-01],
[7.3449e+01, 7.5187e-01, 2.9258e+00],
[3.0448e-01, 9.5074e-06, 3.6254e-02],
[1.4217e+01, 7.1873e-03, 4.7013e-01],
[1.3194e+00, 1.0846e-03, 1.5891e-01],
[4.4301e-01, 7.0429e-05, 4.3855e-02],
[9.9593e-02, 2.0214e-06, 1.4446e-02],
[2.5698e-02, 4.6299e-07, 3.8320e-03],
[3.9578e+01, 1.0929e-01, 1.9910e+00],
[5.1087e+00, 2.2517e-03, 2.7899e-01],
[9.2697e+01, 1.8852e+00, 3.5988e+00],
[1.3908e+00, 2.6521e-04, 1.1670e-01],
[8.9713e-03, 7.5577e-08, 1.4169e-03],
[3.1128e+00, 1.9129e-03, 3.6751e-01],
[1.2188e-01, 4.8497e-06, 1.8067e-02],
[1.1977e+00, 6.5865e-04, 1.3738e-01],
[3.0914e+02, 1.1445e+01, 5.0561e+00],
[7.6223e+01, 1.1180e+00, 2.1591e+00],
[3.5042e-02, 1.3820e-06, 5.1696e-03],
[3.8289e-01, 3.6752e-05, 4.1340e-02],
[3.6497e-02, 5.8266e-08, 4.8824e-03],
[6.0983e+01, 1.1666e+00, 2.1580e+00],
[9.3436e-01, 1.1820e-04, 1.1139e-01],
[7.0248e+00, 5.4268e-03, 6.0234e-01]], dtype=torch.float64)
Iteration: 204
Inputs: tensor([[2.0400e+18, 9.6442e+01, 1.7405e+01, 2.1062e+00],
[1.4155e+18, 2.5842e+02, 1.2082e+01, 2.1569e+00],
[7.1249e+19, 3.3565e+02, 1.7098e+00, 1.5462e+00],
...,
[1.7056e+18, 2.9576e+02, 1.4750e+01, 2.1908e+00],
[1.2218e+20, 6.2909e+01, 7.9912e+00, 2.5758e+00],
[1.4606e+19, 3.0184e+02, 1.7964e+00, 1.7367e+00]]), dtype=torch.float64)
Target: tensor([[3.4325e-03, 3.6270e-09, 5.4596e-04],
[2.4900e-02, 1.0836e-07, 3.5624e-03],
[3.8133e+01, 9.8968e-03, 1.1387e+00],
[5.1322e+00, 9.5461e-03, 3.3418e-01],
[1.6358e+00, 4.0444e-04, 1.7756e-01],
[2.2481e+01, 2.5190e-02, 6.0629e-01],
[1.4205e-01, 7.6862e-06, 1.7210e-02],
[1.6766e+02, 1.6045e+00, 4.3167e+00],
[8.0376e+00, 9.3064e-03, 3.5118e-01],
[3.8685e+01, 1.8996e-01, 1.5650e+00],
[3.7020e+01, 1.6376e-01, 1.1228e+00],
[4.8827e+01, 2.3067e-01, 1.3734e+00],

```

[7.8992e+01, 4.4933e-01, 1.7458e+00],  
[5.2981e+01, 9.9377e-02, 1.4754e+00],  
[7.4062e+00, 8.5111e-04, 5.2193e-01],  
[6.1890e+00, 4.1712e-03, 2.7187e-01],  
[4.7618e+01, 2.1334e-01, 1.3014e+00],  
[1.3557e+01, 2.7732e-02, 7.0127e-01],  
[5.6081e-02, 7.1195e-07, 7.7181e-03],  
[1.8886e+01, 5.7863e-02, 6.2985e-01],  
[3.8901e+00, 1.7239e-03, 2.6181e-01],  
[2.6564e-02, 8.0184e-08, 3.8400e-03],  
[1.1381e+01, 2.9626e-02, 6.6635e-01],  
[1.0745e+01, 2.8778e-03, 6.3209e-01],  
[5.1526e+00, 5.6953e-03, 3.1217e-01],  
[1.4376e-01, 2.4760e-06, 2.1259e-02],  
[1.0154e+00, 4.4482e-04, 8.6083e-02],  
[3.6625e+00, 4.3257e-03, 2.0271e-01],  
[5.2618e+01, 1.0750e+00, 2.5962e+00],  
[5.7766e+01, 3.2608e-01, 2.2162e+00],  
[8.2345e+00, 8.3742e-03, 4.2996e-01],  
[1.8151e-01, 7.8182e-06, 2.6080e-02],  
[6.7927e-01, 2.0547e-04, 9.5165e-02],  
[3.2692e+01, 3.0823e-02, 2.0792e+00],  
[3.0008e+01, 3.2348e-01, 1.1425e+00],  
[6.1311e+00, 2.7322e-03, 4.4522e-01],  
[3.8427e-02, 6.0924e-07, 5.4612e-03],  
[4.9769e-01, 3.1812e-05, 7.2319e-02],  
[3.5956e+00, 3.3476e-04, 3.0932e-01],  
[1.1282e+01, 2.6055e-02, 6.1567e-01],  
[3.6560e-01, 5.8470e-06, 3.8303e-02],  
[5.4929e-01, 3.0152e-04, 6.9019e-02],  
[1.7112e+00, 4.2160e-04, 1.7364e-01],  
[9.4286e+00, 9.0688e-03, 4.8771e-01],  
[6.6436e+01, 1.1975e-01, 1.5655e+00],  
[1.3547e+01, 7.3655e-02, 1.1980e+00],  
[3.1080e+00, 4.2636e-03, 2.6737e-01],  
[1.2444e-01, 1.4866e-05, 1.8595e-02],  
[4.6408e+01, 3.4287e-01, 2.1574e+00],  
[2.3509e+01, 9.2853e-02, 6.7099e-01],  
[3.2870e+01, 1.3895e-01, 1.0324e+00],  
[8.1045e+01, 1.5546e+00, 3.7963e+00],  
[7.2079e-03, 1.0238e-07, 1.0968e-03],  
[4.6058e+01, 3.2100e-01, 1.5842e+00],  
[4.6719e-01, 5.9050e-06, 4.7145e-02],  
[4.6903e-02, 4.4251e-07, 7.1937e-03],  
[2.5618e+00, 2.0413e-03, 1.5399e-01],  
[8.2707e+00, 4.0973e-03, 4.3545e-01],  
[7.6888e+01, 1.7781e+00, 3.6087e+00],  
[1.4435e+00, 1.4202e-03, 1.6070e-01],

[1.4495e+02, 9.9860e-01, 2.5418e+00],  
 [1.8287e+02, 4.0043e+00, 3.9354e+00],  
 [7.4609e+00, 1.7599e-03, 3.1509e-01],  
 [1.2903e+02, 4.2713e+00, 3.7736e+00],  
 [2.4743e-01, 9.1567e-06, 2.6631e-02],  
 [1.3679e+01, 1.6352e-02, 6.5748e-01],  
 [8.7530e-02, 3.4136e-06, 1.3007e-02],  
 [6.0293e+00, 7.7392e-04, 5.0273e-01],  
 [5.0574e-02, 3.7215e-06, 7.1331e-03],  
 [2.8412e+01, 1.0835e-01, 1.7227e+00],  
 [5.2245e+01, 5.8589e-01, 3.2649e+00],  
 [1.8338e+01, 2.1844e-02, 7.0871e-01],  
 [3.2783e+01, 1.9570e-01, 1.7252e+00],  
 [2.6587e+01, 1.7510e-01, 1.4517e+00],  
 [1.1027e+02, 1.0007e+00, 3.9040e+00],  
 [1.1032e+01, 3.8146e-02, 9.9599e-01],  
 [1.2907e+02, 8.1658e-01, 4.4937e+00],  
 [1.8408e+01, 2.3246e-02, 9.2724e-01],  
 [5.9540e-01, 2.1079e-04, 6.0885e-02],  
 [5.3436e+00, 1.7284e-03, 2.2533e-01],  
 [1.9142e-02, 7.0855e-08, 2.8177e-03],  
 [1.5239e+01, 1.0885e-02, 6.5572e-01],  
 [7.3479e-01, 1.4625e-04, 5.1846e-02],  
 [4.4807e+00, 3.0151e-03, 3.4856e-01],  
 [5.4545e-02, 1.8945e-06, 7.9200e-03],  
 [6.6255e+01, 5.5466e-01, 1.7446e+00],  
 [2.2000e-02, 1.4946e-07, 3.1567e-03],  
 [5.5411e+01, 1.1044e-02, 1.1603e+00],  
 [2.5902e+01, 2.6065e-02, 1.7657e+00],  
 [3.0947e+01, 2.3271e-01, 1.0501e+00],  
 [9.1625e-01, 3.0402e-04, 7.1694e-02],  
 [2.2538e-01, 5.9627e-06, 2.1059e-02],  
 [5.9633e+00, 3.9199e-02, 6.6977e-01],  
 [8.1556e+01, 1.0442e+00, 2.3265e+00],  
 [2.7426e+01, 3.4861e-01, 1.8215e+00],  
 [2.7858e+02, 9.6609e+00, 4.1648e+00],  
 [3.9879e+00, 2.1972e-03, 2.0499e-01],  
 [1.1472e+02, 6.0966e-01, 2.5434e+00],  
 [4.2195e-01, 1.0058e-04, 5.5947e-02],  
 [1.6842e+00, 1.0144e-03, 1.3458e-01],  
 [2.6628e+00, 1.9361e-04, 1.5948e-01],  
 [3.4328e+01, 1.8637e-01, 1.8766e+00],  
 [4.8789e-01, 7.8660e-05, 6.2907e-02],  
 [1.1872e-02, 2.0267e-08, 1.8737e-03],  
 [2.7314e+00, 1.9262e-03, 2.2322e-01],  
 [3.9780e+00, 5.6346e-03, 2.1547e-01],  
 [2.0037e+01, 4.1364e-02, 1.0438e+00],  
 [8.6280e-01, 7.3326e-04, 1.1461e-01],

[6.2233e+00, 5.8748e-03, 3.2751e-01],  
[5.1775e-02, 3.9400e-06, 7.8642e-03],  
[8.5007e+01, 9.7105e-01, 2.3561e+00],  
[1.6345e-02, 2.9808e-07, 2.3954e-03],  
[5.4988e+01, 3.5440e-01, 3.0010e+00],  
[9.1289e-02, 6.1474e-06, 1.2376e-02],  
[1.5233e+02, 1.2640e+00, 2.5964e+00],  
[4.0981e+00, 3.5866e-03, 2.4130e-01],  
[9.0227e+00, 5.5904e-03, 4.9900e-01],  
[7.3732e+01, 4.4742e-01, 2.0027e+00],  
[1.2843e+00, 1.1438e-04, 9.7498e-02],  
[1.1263e+00, 3.6514e-04, 9.6906e-02],  
[9.8012e-02, 2.6971e-06, 1.1462e-02],  
[7.5237e+01, 5.1184e-01, 2.6370e+00],  
[9.9675e-02, 4.3406e-07, 1.3414e-02],  
[4.8672e-01, 1.1583e-05, 5.5358e-02],  
[3.7572e+00, 7.9774e-04, 3.3215e-01],  
[1.9099e+00, 1.5725e-03, 1.7477e-01],  
[2.3268e+00, 1.6603e-03, 1.9578e-01],  
[3.8068e+01, 6.6893e-01, 2.6647e+00],  
[2.7066e+00, 1.9408e-03, 2.5559e-01],  
[2.4605e-02, 1.7529e-07, 3.5333e-03],  
[8.9418e-01, 1.8797e-05, 8.9880e-02],  
[7.7655e-01, 3.6196e-05, 1.0358e-01],  
[4.3122e+00, 1.0259e-04, 2.5402e-01],  
[3.0270e+00, 1.4677e-03, 1.8539e-01],  
[2.7652e-01, 2.9895e-05, 2.7140e-02],  
[1.0873e+02, 2.4236e+00, 3.0462e+00],  
[1.3813e+02, 2.1836e-01, 3.1026e+00],  
[2.5668e+00, 6.2990e-04, 1.5840e-01],  
[2.0253e+01, 4.7996e-02, 1.0809e+00],  
[3.0860e+00, 1.2747e-03, 2.7143e-01],  
[1.4670e+01, 1.2049e-02, 1.1112e+00],  
[2.4528e+02, 2.4294e+00, 4.9870e+00],  
[6.6295e-01, 2.6598e-05, 6.2208e-02],  
[6.3128e-01, 8.5689e-05, 7.2332e-02],  
[8.4466e-02, 6.5375e-06, 1.1423e-02],  
[1.5911e+01, 1.2627e-01, 8.5628e-01],  
[6.3473e+01, 2.4736e-01, 2.6457e+00],  
[1.2060e+01, 3.1118e-02, 5.8171e-01],  
[4.1805e-02, 2.2323e-07, 6.3294e-03],  
[1.4877e+00, 2.2855e-04, 1.2431e-01],  
[1.6988e-02, 1.4647e-07, 2.5423e-03],  
[1.4978e-02, 2.8780e-07, 2.2318e-03],  
[1.2731e+02, 2.5974e+00, 3.1659e+00],  
[3.5092e+01, 1.2964e-01, 1.4029e+00],  
[1.7215e-01, 6.0653e-06, 1.8507e-02],  
[1.5767e+00, 8.0818e-04, 1.0482e-01],

[1.9024e+00, 3.8402e-04, 2.1750e-01],  
[6.6527e+01, 8.7513e-01, 2.4544e+00],  
[5.6841e+00, 1.9505e-03, 6.5752e-01],  
[1.3411e+02, 2.2286e+00, 3.7602e+00],  
[1.7101e-01, 4.6010e-06, 1.8425e-02],  
[1.9539e+00, 1.5890e-03, 1.5907e-01],  
[5.7477e-03, 8.2375e-09, 9.0518e-04],  
[1.6059e-01, 1.3839e-05, 1.6794e-02],  
[3.9297e+01, 9.1327e-02, 1.9953e+00],  
[6.1636e-01, 2.3745e-04, 7.1004e-02],  
[1.0517e+02, 2.7686e-01, 3.2701e+00],  
[1.0701e-01, 4.7888e-06, 1.4783e-02],  
[4.8726e-01, 1.0620e-04, 7.2374e-02],  
[3.7482e-01, 1.4188e-05, 4.9123e-02],  
[2.6353e+01, 2.5692e-01, 1.0024e+00],  
[3.0884e+01, 2.6552e-01, 1.6561e+00],  
[7.3712e+01, 6.0869e-01, 1.5258e+00],  
[2.4955e-01, 2.2785e-05, 2.6212e-02],  
[8.2655e+01, 9.4783e-01, 2.1726e+00],  
[1.0562e+02, 1.8860e-01, 4.0173e+00],  
[1.2306e+01, 8.1205e-03, 9.1242e-01],  
[4.2311e-01, 3.7530e-05, 6.1856e-02],  
[5.6226e+00, 5.8523e-03, 2.7669e-01],  
[1.2349e+02, 2.9369e+00, 3.7795e+00],  
[3.7381e-01, 6.1768e-05, 3.9578e-02],  
[1.0257e+01, 5.4867e-03, 5.8097e-01],  
[1.5173e+01, 7.5900e-02, 7.2088e-01],  
[1.9768e+00, 1.5496e-03, 1.3481e-01],  
[1.6254e+01, 5.0737e-02, 8.4128e-01],  
[1.1965e+00, 9.6088e-04, 1.2351e-01],  
[8.7178e-01, 5.8413e-05, 7.3319e-02],  
[2.7987e+01, 4.5007e-02, 9.5882e-01],  
[1.1170e+01, 1.4135e-03, 4.3339e-01],  
[7.8140e+01, 7.7467e-01, 1.9708e+00],  
[3.7584e+01, 7.5063e-02, 2.1890e+00],  
[2.5142e+01, 2.6653e-02, 8.1148e-01],  
[2.8380e-03, 1.0445e-09, 4.5272e-04],  
[1.0443e+02, 1.9016e+00, 3.2819e+00],  
[1.1302e+01, 5.3153e-02, 7.3724e-01],  
[5.1467e-01, 2.2488e-05, 4.0826e-02],  
[1.9540e+01, 2.4623e-01, 1.7110e+00],  
[6.1905e-02, 3.3573e-07, 7.9128e-03],  
[2.1119e+01, 4.4517e-02, 6.8805e-01],  
[4.3713e-01, 6.5336e-05, 5.3447e-02],  
[4.8239e-01, 8.4879e-06, 3.9884e-02],  
[1.4831e+02, 2.0134e+00, 3.2696e+00],  
[3.1701e+01, 2.7756e-02, 7.9422e-01],  
[9.4795e+00, 1.1770e-02, 6.9628e-01],

[8.0911e-03, 3.8469e-08, 1.2823e-03],  
[6.9811e+00, 7.5401e-03, 3.8737e-01],  
[2.0676e+00, 6.7924e-04, 1.7140e-01],  
[2.9181e+02, 2.7801e+00, 4.6851e+00],  
[1.8170e-01, 1.3922e-05, 2.5056e-02],  
[9.7718e+00, 2.6146e-02, 8.6868e-01],  
[1.7477e+02, 6.7971e-01, 3.6689e+00],  
[2.2773e+01, 9.4112e-02, 1.2232e+00],  
[1.0364e+00, 1.5829e-04, 9.9228e-02],  
[6.6873e+01, 2.8215e-01, 3.2883e+00],  
[5.4866e+00, 3.6486e-03, 3.3102e-01],  
[6.2856e-01, 2.6120e-04, 6.5914e-02],  
[1.8757e-01, 7.8404e-06, 2.2273e-02],  
[3.1640e+01, 9.5392e-02, 1.9605e+00],  
[2.5005e-02, 4.9960e-08, 3.6736e-03],  
[4.5785e+00, 1.8375e-03, 5.5749e-01],  
[2.5958e+01, 1.0056e-01, 1.5600e+00],  
[5.1795e-01, 1.1687e-05, 5.1407e-02],  
[2.3259e-01, 6.0048e-05, 2.9051e-02],  
[8.8527e+01, 1.4592e+00, 3.1068e+00],  
[1.2853e-01, 9.8361e-06, 1.7676e-02],  
[2.3238e+02, 5.0447e+00, 4.1042e+00],  
[2.8338e+01, 7.6594e-02, 7.9601e-01],  
[3.1461e+01, 2.2947e-02, 1.4639e+00],  
[1.7377e+01, 9.3423e-02, 8.9679e-01],  
[4.9608e+00, 2.6283e-03, 2.8533e-01],  
[3.8636e+01, 2.9089e-01, 2.1539e+00],  
[5.1765e-03, 3.3454e-09, 8.0238e-04],  
[6.2054e+00, 4.5603e-03, 6.3038e-01],  
[2.9289e+00, 4.7412e-04, 1.2393e-01],  
[2.8889e+01, 6.5541e-02, 1.8767e+00],  
[1.3053e+02, 1.4430e+00, 2.1512e+00],  
[5.3704e+01, 5.1571e-01, 1.4650e+00],  
[1.2294e+02, 3.4165e-01, 4.1355e+00],  
[7.5770e+01, 8.5907e-01, 2.1166e+00],  
[1.1168e+02, 1.8247e+00, 3.3742e+00],  
[3.2266e+00, 8.4991e-03, 3.7027e-01],  
[1.8443e+02, 4.1134e+00, 4.1836e+00],  
[5.3019e+01, 2.6606e-01, 2.4311e+00],  
[3.9155e+01, 5.8270e-01, 1.1392e+00],  
[2.1472e+00, 1.3503e-03, 1.7423e-01],  
[2.2542e-03, 2.6013e-09, 3.5981e-04],  
[1.0071e+02, 3.4217e+00, 3.3414e+00],  
[2.8936e+01, 2.3497e-01, 1.6799e+00],  
[1.4036e-01, 1.4321e-05, 1.7507e-02],  
[2.6625e-02, 6.2508e-07, 3.9067e-03],  
[3.5691e+00, 3.8821e-03, 2.4512e-01],  
[4.0607e+00, 2.5899e-03, 3.9519e-01],

[6.3939e-01, 7.4005e-05, 4.8997e-02],  
[2.8761e+01, 1.0359e-01, 1.1118e+00],  
[4.3731e+01, 1.3040e-01, 1.4967e+00],  
[2.7680e+01, 3.1915e-01, 1.2285e+00],  
[2.4784e+01, 1.1768e-01, 1.2789e+00],  
[1.4055e+01, 2.4822e-02, 6.2514e-01],  
[4.4813e+01, 4.6820e-01, 1.5563e+00],  
[1.9066e-02, 3.4304e-07, 2.8814e-03],  
[1.5254e-02, 2.7004e-07, 2.3138e-03],  
[7.9109e-03, 3.8427e-08, 1.2471e-03],  
[7.8743e-01, 4.1056e-05, 7.9039e-02],  
[2.6623e+01, 3.4469e-02, 1.7501e+00],  
[3.3716e+00, 1.5973e-03, 2.2101e-01],  
[1.3092e+01, 1.2620e-02, 6.8559e-01],  
[8.2121e+00, 3.1194e-02, 4.7681e-01],  
[1.4177e+02, 3.0331e+00, 4.2115e+00],  
[1.1778e-01, 1.3151e-05, 1.3262e-02],  
[5.1076e-01, 5.8605e-05, 4.3890e-02],  
[4.5354e+00, 5.3466e-03, 5.3408e-01],  
[8.1586e+01, 6.0154e-01, 2.3366e+00],  
[4.1293e-01, 6.0754e-05, 3.3390e-02],  
[2.6477e+00, 8.8612e-04, 2.7411e-01],  
[1.9945e-02, 2.6627e-07, 2.8786e-03],  
[1.6155e-01, 1.1166e-05, 1.7817e-02],  
[6.6223e+01, 1.6749e-01, 2.4336e+00],  
[9.2905e+01, 7.9321e-01, 3.1786e+00],  
[7.1302e+01, 3.3926e-02, 1.5862e+00],  
[7.0535e+01, 3.7254e-01, 2.4067e+00],  
[1.4822e+01, 1.4442e-02, 1.0346e+00],  
[5.7153e+00, 2.1788e-03, 3.9189e-01],  
[4.5060e+01, 7.7481e-02, 2.6295e+00],  
[1.4977e+00, 3.8349e-04, 9.8826e-02],  
[1.0534e-02, 1.2038e-08, 1.6664e-03],  
[3.7006e-01, 4.0023e-05, 3.2536e-02],  
[3.5030e+00, 5.6748e-04, 2.9913e-01],  
[3.5295e-03, 1.1567e-08, 5.5883e-04],  
[4.0091e+01, 3.3894e-01, 1.1669e+00],  
[7.5833e+01, 5.2167e-01, 2.0186e+00],  
[5.4147e+00, 6.2486e-03, 2.7513e-01],  
[1.8430e+01, 1.2085e-01, 1.4610e+00],  
[4.9929e-02, 1.1609e-06, 6.4633e-03],  
[1.9497e+02, 1.3719e+00, 3.3539e+00],  
[1.0814e+02, 1.9027e+00, 2.7119e+00],  
[4.4263e+01, 2.5113e-02, 2.1678e+00],  
[5.7478e+01, 5.0999e-01, 1.9453e+00],  
[7.5211e+01, 2.3307e-01, 3.7533e+00],  
[1.6458e+00, 1.2147e-04, 9.8574e-02],  
[2.6533e+01, 1.6972e-01, 1.5594e+00],



```

[1.1076e+01, 4.7694e-03, 4.5568e-01],
[2.4331e+01, 7.0862e-02, 1.3280e+00],
[1.9021e+01, 9.8512e-02, 9.3853e-01],
[1.0170e+02, 2.5960e+00, 2.6094e+00],
[5.4083e+01, 3.3808e-02, 1.6335e+00],
[1.8770e+00, 3.2113e-04, 1.4744e-01],
[1.9543e-01, 1.8670e-05, 2.0369e-02],
[1.0497e+00, 1.5329e-04, 8.2557e-02],
[1.1802e+02, 8.6091e-01, 2.7257e+00],
[1.0507e+02, 2.8102e+00, 2.6329e+00],
[1.4805e+02, 3.8675e+00, 2.9549e+00],
[2.8140e-01, 5.5924e-05, 2.7757e-02],
[5.6032e+00, 8.4220e-03, 4.2650e-01],
[5.8061e-03, 1.3555e-08, 8.9957e-04],
[4.4010e+00, 1.4481e-03, 3.4121e-01],
[3.6085e+01, 1.9043e-01, 1.5148e+00],
[1.1449e-01, 2.8143e-06, 1.4880e-02],
[3.2876e-02, 2.2227e-07, 4.6595e-03],
[4.2125e+00, 2.3786e-03, 4.4971e-01],
[6.7532e+00, 4.1152e-04, 3.4573e-01]], dtype=torch.float64)
Iteration: 205
Inputs: tensor([[6.3989e+20, 4.9842e+02, 1.1262e+01, 1.0598e+00],
[1.7082e+18, 4.7185e+02, 1.0866e+01, 9.8951e+00],
[3.5530e+19, 3.5947e+02, 1.9771e+01, 6.7107e+00],
...,
[7.1464e+18, 2.6981e+02, 7.4582e+00, 8.0519e+00],
[6.6919e+20, 1.7152e+02, 1.2681e+01, 1.7468e+00],
[2.3776e+19, 4.1316e+01, 3.7956e+00, 2.1192e+00]], dtype=torch.float64)
Target: tensor([[6.6229e+01, 9.4467e-02, 3.2277e+00],
[6.3197e-01, 1.4893e-04, 4.7158e-02],
[1.2182e+01, 4.6097e-02, 6.1799e-01],
[1.2257e-02, 5.6375e-08, 1.8689e-03],
[1.9012e+01, 4.9212e-02, 8.3676e-01],
[3.5286e-02, 7.4033e-07, 5.5169e-03],
[8.7837e+01, 1.5976e+00, 2.3379e+00],
[3.6804e+01, 3.2027e-01, 1.1460e+00],
[2.0804e+01, 4.7880e-02, 9.4260e-01],
[9.6106e+01, 7.9122e-01, 3.6337e+00],
[6.2504e+01, 1.1134e+00, 2.1821e+00],
[9.1071e+00, 7.8152e-03, 8.2917e-01],
[1.7784e+01, 7.9337e-03, 6.9440e-01],
[1.0799e-01, 1.7027e-06, 1.4975e-02],
[2.2237e+02, 2.7711e+00, 4.6286e+00],
[9.7633e+01, 2.1707e-01, 3.0189e+00],
[7.8044e+00, 4.4176e-02, 8.1090e-01],
[4.5844e-01, 4.5090e-05, 3.5279e-02],
[1.8513e+01, 4.5931e-02, 7.7673e-01],
[1.4990e+01, 2.3068e-02, 5.4371e-01],

```

[1.2862e+01, 1.6938e-01, 1.1548e+00],  
 [9.9799e-01, 1.7382e-04, 7.4491e-02],  
 [2.7968e+01, 3.5411e-02, 8.2001e-01],  
 [9.8079e+01, 1.0931e+00, 2.9769e+00],  
 [5.8751e-02, 1.9994e-06, 7.8853e-03],  
 [7.0639e+01, 6.7868e-01, 2.0734e+00],  
 [4.5945e-01, 1.1267e-05, 3.3940e-02],  
 [1.0684e+00, 3.6566e-04, 9.2814e-02],  
 [1.3569e+01, 1.9216e-02, 4.5779e-01],  
 [4.2332e+00, 9.3797e-04, 2.5399e-01],  
 [1.7692e+00, 1.3638e-04, 1.6531e-01],  
 [2.6481e+01, 1.2647e-01, 6.9554e-01],  
 [1.8394e+02, 7.4778e+00, 3.8960e+00],  
 [1.9229e+02, 3.9134e+00, 3.2332e+00],  
 [4.7011e-01, 5.0583e-05, 3.5926e-02],  
 [3.9445e+01, 2.0565e-02, 2.0877e+00],  
 [1.6497e+00, 5.1716e-05, 1.5202e-01],  
 [2.0463e-01, 1.2272e-05, 2.4943e-02],  
 [1.6185e+02, 3.5632e-01, 3.5688e+00],  
 [3.1369e+01, 9.8149e-03, 1.3309e+00],  
 [1.3923e+02, 7.4071e-01, 3.4513e+00],  
 [9.2902e-01, 3.6028e-04, 8.0862e-02],  
 [8.7521e-02, 3.2706e-07, 1.0606e-02],  
 [1.0110e+01, 2.5233e-02, 1.0244e+00],  
 [8.3373e+01, 1.5324e-01, 2.5475e+00],  
 [1.0537e-01, 5.1314e-06, 1.2987e-02],  
 [9.8283e+01, 1.5877e+00, 3.2473e+00],  
 [1.7022e-02, 1.1367e-07, 2.5196e-03],  
 [1.6326e-02, 1.0679e-07, 2.4458e-03],  
 [1.1447e+01, 4.3865e-02, 1.1600e+00],  
 [2.0455e+01, 8.7216e-02, 6.7196e-01],  
 [1.0327e+02, 2.1119e+00, 3.9181e+00],  
 [8.4490e-01, 7.0078e-05, 7.3951e-02],  
 [2.0762e+00, 5.6155e-04, 1.2988e-01],  
 [1.8665e+02, 7.4310e+00, 4.6496e+00],  
 [5.3245e+01, 4.6158e-02, 2.0330e+00],  
 [1.1239e-01, 9.7619e-06, 1.4052e-02],  
 [1.3452e+01, 1.5956e-02, 5.5953e-01],  
 [7.9966e+01, 6.1844e-01, 2.0347e+00],  
 [1.2947e-02, 3.4231e-08, 2.0735e-03],  
 [1.0457e+02, 3.4112e-01, 4.1976e+00],  
 [1.7693e-01, 3.2529e-05, 2.2877e-02],  
 [3.1765e+02, 7.9228e+00, 4.5633e+00],  
 [5.0642e-01, 1.5074e-04, 5.8410e-02],  
 [1.1346e+01, 1.8340e-03, 4.0717e-01],  
 [7.6082e+01, 6.0896e-01, 2.7999e+00],  
 [3.0031e+01, 1.3190e-02, 1.0909e+00],  
 [1.5950e+02, 6.6252e+00, 4.5563e+00],

[4.7418e+01, 3.7388e-01, 1.4445e+00],  
 [2.3039e+01, 8.7461e-02, 8.5286e-01],  
 [1.0814e+00, 3.9210e-04, 9.4586e-02],  
 [3.0713e+01, 1.0374e-01, 1.2991e+00],  
 [4.3100e+00, 4.4721e-03, 3.7321e-01],  
 [5.9800e+01, 4.8657e-01, 1.8205e+00],  
 [1.0054e-01, 7.0527e-06, 1.1812e-02],  
 [2.5819e+00, 9.3550e-03, 3.2271e-01],  
 [4.3970e+00, 2.3864e-03, 3.3106e-01],  
 [3.1434e-01, 6.5732e-05, 3.2577e-02],  
 [2.0337e+00, 4.3269e-04, 1.5264e-01],  
 [1.4740e+01, 2.3080e-02, 4.7602e-01],  
 [7.7489e-03, 4.2368e-08, 1.1750e-03],  
 [4.5317e+00, 8.1354e-03, 2.8702e-01],  
 [1.1769e+01, 1.1747e-02, 4.5914e-01],  
 [6.0651e+00, 4.8192e-03, 5.7745e-01],  
 [5.2319e+01, 8.2532e-01, 1.9946e+00],  
 [6.7534e+00, 2.4304e-02, 6.5264e-01],  
 [5.8292e-02, 2.1960e-06, 8.1468e-03],  
 [2.1820e-01, 1.6307e-05, 2.4905e-02],  
 [6.9869e-01, 3.5541e-05, 4.8615e-02],  
 [1.3139e-02, 1.3857e-08, 2.0588e-03],  
 [2.4562e+01, 1.2659e-01, 9.5803e-01],  
 [8.2192e+01, 1.0231e+00, 2.6403e+00],  
 [1.6481e-01, 6.5499e-06, 2.0299e-02],  
 [2.0895e+01, 1.1327e-02, 6.4859e-01],  
 [1.3893e-01, 1.5382e-05, 1.6087e-02],  
 [8.7655e+01, 6.8354e-01, 2.2462e+00],  
 [1.0400e+02, 7.3962e-01, 3.6096e+00],  
 [6.3776e-01, 9.6761e-05, 6.0898e-02],  
 [2.3849e-01, 1.0462e-05, 3.1663e-02],  
 [1.2381e+00, 2.6273e-04, 7.9696e-02],  
 [6.3710e-03, 4.6984e-09, 9.9731e-04],  
 [8.8822e-01, 2.6146e-05, 7.7316e-02],  
 [9.0100e+00, 1.2287e-02, 6.7147e-01],  
 [1.5887e+02, 4.8366e+00, 3.5707e+00],  
 [9.8894e-02, 5.0565e-06, 1.2277e-02],  
 [3.7024e+00, 6.3265e-03, 3.6244e-01],  
 [8.0983e-02, 4.0289e-06, 1.2411e-02],  
 [3.8005e+00, 5.6137e-03, 2.5307e-01],  
 [3.1932e+01, 3.8420e-02, 1.2050e+00],  
 [6.2301e-01, 7.2225e-05, 5.1912e-02],  
 [2.4450e+01, 1.3700e-01, 1.3394e+00],  
 [3.0749e-01, 1.2884e-05, 3.0512e-02],  
 [3.4330e-01, 8.6961e-06, 4.4974e-02],  
 [7.4450e-02, 5.7413e-06, 9.6570e-03],  
 [1.2020e-01, 1.9071e-06, 1.6038e-02],  
 [9.3423e+01, 7.2043e-01, 2.6485e+00],

[5.5916e-02, 2.8843e-06, 7.7388e-03],  
[1.5565e+02, 3.7254e+00, 4.6134e+00],  
[1.6763e+02, 2.0638e+00, 4.5015e+00],  
[2.8826e+00, 5.9617e-05, 1.7863e-01],  
[5.3265e+00, 2.3584e-03, 4.0200e-01],  
[3.6563e-02, 4.6856e-07, 5.4830e-03],  
[7.1452e+00, 9.4505e-03, 5.3731e-01],  
[1.7025e+00, 3.4967e-04, 1.0071e-01],  
[1.2416e+00, 4.6367e-04, 1.1903e-01],  
[4.8371e-01, 5.9463e-05, 4.4097e-02],  
[1.4030e+02, 1.5946e+00, 3.3346e+00],  
[5.5458e+01, 6.5061e-01, 1.4474e+00],  
[1.6673e-01, 3.3123e-06, 1.7278e-02],  
[5.1183e-01, 1.5387e-05, 4.5650e-02],  
[7.7021e+01, 6.8854e-02, 2.0294e+00],  
[8.5170e+01, 1.8423e+00, 2.0418e+00],  
[5.4103e+01, 6.5221e-01, 1.8997e+00],  
[1.4975e+02, 5.1865e+00, 4.3226e+00],  
[3.7659e-02, 4.5393e-07, 5.1597e-03],  
[1.0381e+02, 1.6643e+00, 2.5812e+00],  
[9.2946e+01, 3.3920e-01, 2.3638e+00],  
[1.9421e+00, 7.8368e-04, 1.7360e-01],  
[7.3508e+01, 1.6870e+00, 2.4405e+00],  
[1.5673e-02, 1.8978e-07, 2.3025e-03],  
[4.3310e+01, 1.5777e-01, 1.1608e+00],  
[3.1660e+01, 1.2834e-01, 1.0872e+00],  
[6.6400e-05, 8.9073e-13, 1.0988e-05],  
[2.3893e+01, 6.0952e-02, 1.1588e+00],  
[1.2201e-01, 6.7556e-06, 1.4866e-02],  
[3.1846e+01, 3.3099e-01, 1.6970e+00],  
[7.9345e+01, 1.9394e+00, 2.3859e+00],  
[3.3202e-01, 2.2455e-05, 3.0821e-02],  
[3.9224e+01, 2.3132e-01, 1.1264e+00],  
[6.4976e-01, 1.4420e-05, 4.1281e-02],  
[1.5722e+01, 4.9819e-02, 5.7526e-01],  
[2.6931e+01, 4.9922e-02, 1.1024e+00],  
[2.5429e+01, 3.0192e-02, 1.1969e+00],  
[1.0148e+02, 1.7821e-01, 2.4514e+00],  
[5.3365e-03, 3.3853e-08, 8.3690e-04],  
[6.8573e+01, 3.0922e-01, 2.9198e+00],  
[7.4649e+00, 4.7232e-03, 4.1862e-01],  
[2.2718e+00, 8.1091e-04, 1.5826e-01],  
[2.0931e-01, 2.5299e-05, 2.5386e-02],  
[4.4704e+01, 3.1944e-01, 1.6852e+00],  
[7.8618e-02, 1.4227e-06, 1.1321e-02],  
[8.7614e+01, 1.1194e+00, 1.8452e+00],  
[2.4638e+00, 8.4479e-04, 2.0275e-01],  
[3.5735e+00, 1.9993e-03, 3.9605e-01],

[1.6118e+02, 7.0883e-01, 3.3609e+00],  
 [4.6294e+00, 1.5808e-03, 3.6083e-01],  
 [1.5753e-01, 2.7379e-05, 1.9156e-02],  
 [7.3164e-01, 2.0695e-04, 6.6867e-02],  
 [4.3921e+00, 7.8064e-03, 3.4241e-01],  
 [4.2609e-02, 3.2364e-07, 5.9143e-03],  
 [4.6672e+01, 4.9419e-01, 2.9645e+00],  
 [1.0653e+00, 7.2196e-04, 1.0205e-01],  
 [1.2180e+02, 1.8738e+00, 3.1818e+00],  
 [2.2130e+01, 1.2918e-01, 1.4051e+00],  
 [4.2057e+01, 9.0444e-02, 1.4143e+00],  
 [1.9927e+00, 1.7259e-03, 1.7853e-01],  
 [1.1894e+01, 1.7632e-02, 4.6697e-01],  
 [1.7175e+00, 7.3662e-04, 1.3055e-01],  
 [1.3171e+02, 3.0506e+00, 3.8118e+00],  
 [2.7655e-02, 2.6029e-07, 3.8209e-03],  
 [1.4431e+02, 1.1251e+00, 3.0100e+00],  
 [3.6626e-01, 8.5880e-06, 3.6673e-02],  
 [6.6577e+01, 7.7296e-01, 1.7133e+00],  
 [9.1468e+01, 1.8146e+00, 2.4553e+00],  
 [9.1458e+00, 4.7276e-03, 4.2916e-01],  
 [2.2576e-02, 2.7331e-07, 3.2535e-03],  
 [1.1420e+00, 1.1137e-04, 7.9581e-02],  
 [2.8683e+02, 9.9226e+00, 4.8208e+00],  
 [7.1408e-02, 2.6866e-06, 8.8406e-03],  
 [1.0222e+00, 2.2949e-04, 7.5030e-02],  
 [2.8492e+00, 4.5432e-03, 2.3623e-01],  
 [1.3963e+01, 3.1698e-02, 9.6824e-01],  
 [5.2957e+01, 2.4869e-01, 1.5922e+00],  
 [3.9499e-01, 6.5705e-05, 3.4159e-02],  
 [9.1790e+00, 1.9574e-02, 7.6618e-01],  
 [7.5025e-01, 1.4773e-04, 6.0778e-02],  
 [3.7952e+01, 1.0433e-01, 2.0547e+00],  
 [4.6719e-01, 2.4892e-05, 4.5882e-02],  
 [1.9328e+01, 8.0551e-02, 1.1847e+00],  
 [2.6048e+01, 1.3122e-01, 7.9813e-01],  
 [3.8409e+00, 1.2480e-03, 3.8134e-01],  
 [4.8906e+01, 1.6358e-01, 1.4276e+00],  
 [7.6790e-02, 6.1946e-06, 1.1160e-02],  
 [1.2374e+02, 3.0653e+00, 4.2919e+00],  
 [9.8261e+01, 9.9209e-01, 3.2875e+00],  
 [1.3072e+00, 9.2169e-04, 1.1309e-01],  
 [1.8506e+02, 1.7862e+00, 3.5095e+00],  
 [2.0303e+00, 1.6773e-04, 1.3445e-01],  
 [6.0344e+01, 1.1663e+00, 1.7111e+00],  
 [3.3597e-01, 1.5944e-05, 2.7270e-02],  
 [9.8642e+01, 5.0314e-02, 2.2421e+00],  
 [1.9148e+01, 2.5737e-02, 7.9539e-01],

[2.2443e+01, 7.0584e-03, 1.0140e+00],  
[1.6906e+01, 3.0760e-02, 1.4098e+00],  
[9.2434e+01, 8.7352e-01, 3.5004e+00],  
[3.8808e+01, 2.2053e-01, 1.6365e+00],  
[3.1609e-01, 1.0913e-05, 3.6503e-02],  
[3.4873e-03, 5.8881e-09, 5.4980e-04],  
[2.9092e+01, 8.0452e-02, 8.6996e-01],  
[7.6882e+01, 5.6533e-01, 3.7483e+00],  
[2.4775e-02, 3.1364e-07, 3.7734e-03],  
[2.5060e-01, 1.5638e-05, 2.4624e-02],  
[5.2790e+01, 2.5127e-01, 3.2062e+00],  
[7.2323e-01, 1.3802e-04, 6.7770e-02],  
[3.3074e+01, 2.8253e-01, 1.2885e+00],  
[5.9630e+01, 1.4707e+00, 2.6243e+00],  
[2.5407e+00, 2.1783e-03, 1.9760e-01],  
[1.2327e-02, 3.3725e-08, 1.8983e-03],  
[1.7186e+01, 3.5559e-02, 7.4553e-01],  
[4.6560e-02, 1.9145e-06, 6.8801e-03],  
[1.4399e+01, 7.1577e-03, 5.9241e-01],  
[3.1956e+01, 1.0810e-01, 7.9742e-01],  
[1.7187e+01, 7.6336e-02, 7.7194e-01],  
[4.2667e+00, 1.2638e-02, 3.3845e-01],  
[1.9453e-01, 6.8835e-06, 2.1360e-02],  
[3.6787e-01, 4.4877e-05, 3.6200e-02],  
[8.1745e+00, 2.7969e-02, 4.4403e-01],  
[1.5917e-01, 7.2737e-06, 1.9925e-02],  
[6.3877e+01, 7.8308e-01, 3.1364e+00],  
[9.9756e+00, 7.7123e-03, 6.7552e-01],  
[3.6145e+01, 7.7169e-01, 2.4002e+00],  
[5.6341e+01, 1.6176e-01, 2.4869e+00],  
[1.2862e+02, 7.9328e-01, 2.9178e+00],  
[1.3793e-02, 1.4678e-07, 2.0217e-03],  
[3.0177e+00, 2.0044e-03, 1.9502e-01],  
[1.5207e-01, 1.1614e-05, 2.0352e-02],  
[1.2770e+02, 4.4000e+00, 3.5004e+00],  
[1.2023e-01, 1.2261e-05, 1.7912e-02],  
[5.7271e+01, 1.6974e-01, 1.8882e+00],  
[2.9313e+02, 5.9060e+00, 4.4692e+00],  
[1.0200e+01, 5.6326e-02, 9.1911e-01],  
[9.2475e-01, 1.0555e-04, 7.1818e-02],  
[1.4371e+01, 3.0212e-02, 7.2610e-01],  
[1.8348e+02, 2.1702e-01, 3.5908e+00],  
[6.5759e-04, 2.1360e-10, 1.0741e-04],  
[3.0345e+01, 2.7282e-02, 1.0105e+00],  
[1.2829e-02, 4.4557e-08, 2.0468e-03],  
[1.0026e-01, 2.1348e-06, 1.1802e-02],  
[1.2799e+02, 1.7057e+00, 2.2456e+00],  
[2.5502e-01, 3.2858e-05, 2.4062e-02],

[1.3025e+01, 4.0440e-02, 6.5505e-01],  
 [2.3929e+01, 2.0460e-01, 1.2643e+00],  
 [3.7944e+00, 1.6692e-03, 3.9164e-01],  
 [8.5366e+00, 1.5914e-02, 4.7605e-01],  
 [5.2600e+00, 1.5902e-02, 6.2566e-01],  
 [7.6815e-03, 1.8758e-08, 1.2219e-03],  
 [2.5361e+00, 1.9698e-03, 2.2671e-01],  
 [1.2959e+01, 3.0243e-02, 9.9314e-01],  
 [2.3293e+02, 1.3989e+01, 5.0329e+00],  
 [1.0157e-01, 1.8831e-06, 1.3031e-02],  
 [1.4006e+02, 1.4863e+00, 2.7310e+00],  
 [6.6387e-01, 8.0335e-05, 4.2762e-02],  
 [6.7860e-02, 3.0264e-06, 9.0862e-03],  
 [4.3803e+01, 1.4485e-01, 1.6538e+00],  
 [1.0755e+02, 1.7619e+00, 3.4034e+00],  
 [1.4635e-02, 9.2098e-08, 2.2107e-03],  
 [6.2638e+00, 3.4830e-03, 4.9684e-01],  
 [4.2400e-01, 1.2227e-04, 4.7131e-02],  
 [2.0400e+01, 1.2364e-01, 1.3730e+00],  
 [8.7712e-03, 3.6836e-08, 1.3745e-03],  
 [3.2969e+01, 2.6117e-01, 1.5367e+00],  
 [1.2215e+00, 4.5882e-04, 1.1081e-01],  
 [4.0765e+00, 5.2804e-03, 3.2373e-01],  
 [2.5828e+01, 1.7091e-01, 2.0225e+00],  
 [5.5400e+00, 5.8222e-03, 2.9326e-01],  
 [5.0418e+01, 2.2840e-01, 2.4403e+00],  
 [3.5629e+01, 2.0999e-01, 1.2337e+00],  
 [2.6010e+01, 9.6414e-02, 1.4950e+00],  
 [1.3144e+02, 1.0754e+00, 4.4695e+00],  
 [7.0662e+01, 1.4779e-01, 2.9929e+00],  
 [1.0721e+00, 9.8852e-05, 7.2532e-02],  
 [3.4687e+00, 2.1616e-03, 2.7278e-01],  
 [7.7039e+01, 1.8783e+00, 2.6078e+00],  
 [3.1261e-01, 2.0339e-05, 2.9443e-02],  
 [1.4472e-01, 9.5964e-07, 1.6195e-02],  
 [1.0089e+00, 3.1475e-04, 7.6499e-02],  
 [6.9020e+01, 1.3771e+00, 2.4140e+00],  
 [1.7548e+01, 1.0239e-02, 1.1794e+00],  
 [1.0812e+00, 8.5892e-05, 1.3906e-01],  
 [9.1613e-01, 4.8849e-05, 5.8842e-02],  
 [8.6321e-02, 1.5694e-06, 1.0751e-02],  
 [2.8888e-02, 1.9173e-07, 4.2258e-03],  
 [5.7162e+01, 8.0417e-02, 2.6196e+00],  
 [3.7314e+01, 5.1894e-01, 1.4216e+00],  
 [2.9675e+01, 2.2365e-01, 1.0222e+00],  
 [7.7083e+00, 5.0184e-04, 4.7900e-01],  
 [1.2577e+00, 1.2167e-03, 1.1961e-01],  
 [6.4835e+00, 8.3970e-03, 4.2266e-01],

```

[1.8401e+00, 1.1254e-03, 1.2518e-01],
[1.9232e+01, 2.3549e-02, 1.4883e+00],
[5.2672e+01, 4.5405e-01, 2.1996e+00],
[2.8584e+00, 1.0868e-03, 1.9784e-01],
[1.7212e+00, 1.2977e-03, 1.3311e-01],
[8.7654e+01, 6.8257e-01, 2.1492e+00],
[1.0787e+01, 4.0285e-03, 4.5119e-01],
[1.8313e-01, 1.4600e-05, 2.6724e-02],
[8.9350e+01, 3.5559e-01, 2.6925e+00],
[2.5466e+00, 1.4036e-03, 1.6985e-01],
[3.0196e+01, 6.1058e-02, 2.2787e+00],
[4.5404e-01, 1.6969e-05, 6.0290e-02]], dtype=torch.float64)
Iteration: 206
Inputs: tensor([[1.7007e+18, 4.6032e+02, 1.0576e+01, 8.5539e+00],
[2.1885e+18, 1.9610e+02, 1.2543e+01, 1.3673e+00],
[1.3083e+19, 1.1592e+02, 1.3463e+01, 8.3048e+00],
...,
[1.9873e+18, 3.0416e+01, 1.5069e+01, 2.0597e+00],
[1.7618e+20, 2.1115e+02, 1.8168e+00, 7.5211e+00],
[2.2231e+19, 3.0760e+02, 2.8714e+00, 9.5171e+00]], dtype=torch.float64)
Target: tensor([[5.6017e-01, 9.9409e-05, 4.3950e-02],
[1.3216e-02, 2.2097e-08, 2.0126e-03],
[1.2042e+00, 9.2808e-04, 1.2449e-01],
[1.8431e+02, 5.8901e+00, 4.7752e+00],
[4.8042e-01, 6.5634e-05, 3.5692e-02],
[7.2875e+00, 3.3575e-02, 6.6703e-01],
[1.2843e-01, 5.5580e-06, 1.6348e-02],
[2.5889e+00, 1.3411e-03, 1.6972e-01],
[1.3701e+01, 5.0459e-02, 1.2059e+00],
[9.2536e+01, 1.2364e+00, 2.4042e+00],
[2.6694e+01, 4.8676e-03, 9.8723e-01],
[8.7968e-01, 6.0380e-05, 9.3595e-02],
[7.2436e+01, 4.8585e-01, 2.6257e+00],
[1.5580e-02, 1.7965e-07, 2.3812e-03],
[5.0998e+01, 6.0834e-01, 1.9907e+00],
[2.1010e+01, 2.3349e-02, 1.0223e+00],
[2.3257e+02, 6.6315e+00, 4.4534e+00],
[3.2420e-02, 7.0043e-07, 4.7820e-03],
[5.1949e-02, 9.1349e-07, 6.9058e-03],
[1.8581e-01, 1.1931e-05, 1.8615e-02],
[1.9461e+01, 2.7054e-02, 9.3246e-01],
[5.6521e+01, 4.2893e-01, 3.1117e+00],
[5.9493e+01, 1.2431e-01, 1.2460e+00],
[6.4211e-03, 2.5774e-08, 9.9936e-04],
[3.1211e-01, 2.9817e-05, 3.2451e-02],
[1.1151e+00, 3.8907e-04, 1.0621e-01],
[5.2220e+01, 4.3013e-01, 2.4182e+00],
[1.0592e+01, 3.1146e-03, 4.1429e-01],

```



[6.2724e+01, 8.9068e-01, 2.6796e+00],  
[2.1224e+00, 1.5030e-03, 1.6052e-01],  
[3.4442e-01, 8.4061e-06, 3.0223e-02],  
[4.5165e+00, 8.3347e-03, 2.8385e-01],  
[1.6234e+02, 5.2887e-01, 2.6978e+00],  
[1.4028e+02, 2.1183e+00, 3.2768e+00],  
[5.5493e+01, 4.7176e-01, 1.8542e+00],  
[2.1044e-01, 3.9302e-05, 2.5344e-02],  
[4.1278e+00, 2.5739e-03, 2.1109e-01],  
[1.2856e+02, 3.8422e-02, 3.2059e+00],  
[3.8393e+00, 8.7743e-05, 2.1715e-01],  
[4.6817e+00, 5.7522e-03, 2.8468e-01],  
[1.4109e+01, 3.3033e-02, 6.5216e-01],  
[1.5707e+00, 7.6440e-04, 1.0705e-01],  
[3.5609e+00, 2.4192e-03, 3.8827e-01],  
[8.4234e-02, 4.9887e-06, 1.0362e-02],  
[2.1556e+01, 8.9463e-02, 1.2448e+00],  
[4.0393e-01, 1.1989e-05, 5.1799e-02],  
[8.7903e-01, 4.6797e-05, 6.2895e-02],  
[1.7749e+02, 2.6937e+00, 4.0039e+00],  
[6.7902e-03, 2.4236e-08, 1.0585e-03],  
[2.2860e+00, 2.2476e-04, 1.9852e-01],  
[4.1470e+00, 8.3392e-03, 3.3316e-01],  
[1.0908e-02, 1.6734e-08, 1.6484e-03],  
[9.5702e-02, 6.7359e-06, 1.2130e-02],  
[2.8295e+00, 2.0605e-03, 2.8943e-01],  
[5.3109e+01, 9.4535e-02, 1.3345e+00],  
[1.3077e-02, 2.4802e-08, 1.9929e-03],  
[4.6466e+01, 8.5925e-01, 2.1910e+00],  
[2.2952e+00, 9.7088e-04, 1.9388e-01],  
[1.9883e+01, 1.5131e-01, 1.1901e+00],  
[2.6237e+00, 2.6313e-03, 1.8434e-01],  
[4.8575e+01, 1.7702e-01, 2.1714e+00],  
[1.1139e+02, 1.5163e+00, 3.5461e+00],  
[7.9767e-01, 1.5782e-05, 8.0669e-02],  
[9.6301e-01, 1.9221e-04, 1.0883e-01],  
[1.1379e+02, 9.3285e-01, 4.3989e+00],  
[1.8438e-02, 1.3365e-07, 2.6670e-03],  
[3.9950e+00, 9.9672e-03, 4.8166e-01],  
[5.1399e-03, 6.2711e-09, 8.0411e-04],  
[4.8091e+01, 2.9073e-01, 1.7921e+00],  
[1.3586e+01, 2.0765e-03, 7.8932e-01],  
[2.1281e+02, 4.0960e+00, 4.6919e+00],  
[2.1236e+01, 2.9588e-02, 7.2648e-01],  
[4.5511e+01, 3.3323e-01, 2.5385e+00],  
[5.6333e+01, 5.3140e-01, 1.6832e+00],  
[3.4162e+00, 1.3774e-03, 3.6355e-01],  
[7.6633e-02, 3.2787e-06, 9.3393e-03],

[7.9195e-01, 1.7661e-04, 1.1679e-01],  
[2.3245e+00, 8.2058e-03, 2.6125e-01],  
[3.7942e-01, 3.2306e-05, 4.7976e-02],  
[3.7816e+01, 6.7194e-02, 1.1328e+00],  
[1.0594e+01, 1.2648e-02, 1.1027e+00],  
[9.3486e-02, 2.6303e-06, 1.1359e-02],  
[8.9316e-01, 3.3108e-04, 9.0086e-02],  
[6.2312e+01, 1.3469e-01, 3.3011e+00],  
[1.4925e+01, 5.1566e-02, 5.3440e-01],  
[1.5808e-01, 8.3144e-06, 1.7417e-02],  
[1.0264e+01, 4.0921e-03, 3.8283e-01],  
[2.3549e+01, 3.3690e-01, 1.7066e+00],  
[5.2011e-01, 4.5877e-05, 6.4253e-02],  
[1.2490e-01, 2.3456e-06, 1.6159e-02],  
[1.3631e+00, 3.1859e-04, 7.3954e-02],  
[1.4908e-02, 1.9018e-07, 2.1753e-03],  
[9.3769e+01, 7.8939e-01, 2.6739e+00],  
[5.9564e+01, 2.4518e-01, 1.8871e+00],  
[9.1899e+00, 5.6442e-03, 8.2029e-01],  
[3.0003e-01, 2.7309e-05, 3.6417e-02],  
[1.6684e+00, 9.7428e-04, 2.0790e-01],  
[6.5616e-01, 2.6777e-05, 4.3969e-02],  
[7.4208e-01, 3.1160e-04, 8.2895e-02],  
[1.9195e+02, 2.9895e+00, 3.0718e+00],  
[2.7416e-01, 1.9880e-05, 3.2590e-02],  
[2.0738e-02, 4.1299e-08, 3.2157e-03],  
[1.3821e+00, 2.4855e-04, 1.5248e-01],  
[1.0354e+01, 1.5692e-02, 4.1572e-01],  
[4.4579e+00, 1.1561e-03, 4.2664e-01],  
[1.0986e+02, 1.7848e+00, 2.5522e+00],  
[3.8900e+01, 4.2821e-01, 1.3999e+00],  
[3.8373e-01, 4.5657e-05, 3.9523e-02],  
[1.5431e+01, 3.4369e-02, 6.8939e-01],  
[5.5484e-02, 2.3011e-06, 7.8734e-03],  
[1.3200e+02, 6.9540e-01, 2.6097e+00],  
[5.5463e+01, 3.2159e-01, 2.3274e+00],  
[1.3359e-01, 2.1633e-06, 1.7386e-02],  
[2.4915e-02, 1.4197e-07, 3.5656e-03],  
[1.9448e+00, 1.1484e-04, 1.6268e-01],  
[1.2932e-01, 1.2925e-06, 1.7042e-02],  
[1.9234e-01, 1.4582e-05, 2.0090e-02],  
[4.0741e-02, 4.7634e-07, 5.6634e-03],  
[1.5567e+01, 3.5128e-02, 1.1549e+00],  
[5.0452e-01, 5.6995e-05, 5.2218e-02],  
[1.7061e+01, 4.0600e-02, 1.0908e+00],  
[2.1767e+00, 1.8650e-04, 2.0662e-01],  
[1.8986e+02, 2.2123e-01, 4.3758e+00],  
[4.9976e+00, 2.5542e-03, 5.1250e-01],

[3.3369e+00, 3.8560e-03, 2.9099e-01],  
[9.5445e-01, 1.2063e-04, 7.7076e-02],  
[2.2537e+01, 1.5500e-01, 9.8342e-01],  
[6.7145e+01, 7.4086e-01, 1.7219e+00],  
[3.6256e+01, 7.8095e-02, 1.5320e+00],  
[4.8478e-01, 2.4605e-05, 3.4382e-02],  
[5.8560e+00, 1.6718e-03, 2.7847e-01],  
[4.0315e+01, 5.4213e-02, 1.8181e+00],  
[1.7909e+01, 1.2450e-01, 1.2810e+00],  
[6.4584e+01, 6.9184e-01, 3.3027e+00],  
[3.5433e-01, 9.9136e-05, 4.5818e-02],  
[1.6760e+00, 3.5237e-04, 1.5543e-01],  
[4.7037e+01, 1.1450e+00, 2.8499e+00],  
[1.9864e+01, 1.2607e-01, 1.5970e+00],  
[2.5117e+02, 5.2517e+00, 4.5871e+00],  
[5.3817e+01, 5.4738e-01, 1.6220e+00],  
[3.4114e-01, 6.9554e-05, 4.2374e-02],  
[6.1599e-01, 2.9953e-04, 7.9763e-02],  
[1.1417e+00, 3.6379e-04, 9.5000e-02],  
[9.2234e+01, 2.4089e+00, 4.0501e+00],  
[1.2534e+00, 4.8028e-05, 1.0494e-01],  
[2.4852e+01, 1.9475e-01, 9.2263e-01],  
[5.5372e+01, 5.0854e-02, 2.0857e+00],  
[4.2577e+01, 8.1130e-02, 1.7106e+00],  
[8.2297e+01, 2.1476e+00, 3.1969e+00],  
[5.2333e+01, 4.3460e-01, 3.0862e+00],  
[1.6549e-01, 1.6029e-05, 1.9519e-02],  
[1.0499e+00, 2.9988e-04, 8.5769e-02],  
[1.3332e+02, 2.9451e+00, 3.1541e+00],  
[1.1153e+02, 1.1911e-01, 3.8428e+00],  
[6.0699e-01, 4.1620e-05, 4.6250e-02],  
[2.4991e+01, 4.4288e-02, 1.6139e+00],  
[1.9882e+02, 4.4351e+00, 4.0348e+00],  
[8.6532e+01, 4.1769e-01, 2.3541e+00],  
[1.3726e-01, 6.8664e-06, 1.5282e-02],  
[9.8239e+01, 1.0446e+00, 3.6183e+00],  
[2.0778e+00, 1.4449e-03, 1.7310e-01],  
[7.2737e+01, 1.1333e+00, 1.9418e+00],  
[4.3293e-01, 5.9602e-05, 4.2472e-02],  
[2.9400e+01, 6.7703e-02, 1.1441e+00],  
[4.7175e+01, 7.9217e-01, 3.1704e+00],  
[2.9806e+00, 4.0104e-03, 2.1048e-01],  
[2.1332e+02, 6.9837e+00, 4.2669e+00],  
[5.6731e-01, 4.5456e-05, 4.5203e-02],  
[2.5134e-02, 1.1430e-06, 3.8802e-03],  
[1.1668e+01, 7.6001e-03, 4.9233e-01],  
[3.2193e-01, 2.4559e-05, 4.4155e-02],  
[6.7673e+01, 5.2747e-01, 2.4870e+00],

[8.7346e+01, 1.6659e-01, 3.9260e+00],  
[2.7208e+01, 1.3654e-01, 8.6736e-01],  
[3.6487e+01, 1.7007e-01, 1.0272e+00],  
[2.8484e+01, 6.0307e-02, 1.0276e+00],  
[1.0299e+02, 5.5606e-01, 3.0292e+00],  
[5.9722e+01, 4.9296e-01, 2.3481e+00],  
[2.7617e+00, 3.2232e-03, 3.7942e-01],  
[8.5440e-03, 5.7265e-08, 1.3454e-03],  
[5.8248e+00, 1.6571e-02, 4.0428e-01],  
[5.7658e-01, 3.0678e-05, 4.5898e-02],  
[4.4678e+01, 1.8588e-01, 1.9446e+00],  
[1.2750e+00, 1.1848e-04, 1.2045e-01],  
[4.8345e+01, 3.9905e-01, 1.0870e+00],  
[9.0796e+01, 1.8965e+00, 3.3322e+00],  
[2.3044e+01, 7.4419e-02, 9.4334e-01],  
[7.8781e+01, 1.7654e+00, 2.0413e+00],  
[5.7231e-01, 1.3854e-04, 5.6426e-02],  
[2.7501e-01, 7.7154e-05, 3.3504e-02],  
[1.4850e+02, 1.7763e+00, 3.7894e+00],  
[4.4313e+01, 6.4862e-01, 1.2478e+00],  
[2.3999e+01, 2.4730e-02, 1.2133e+00],  
[6.9959e+01, 1.8712e+00, 2.8938e+00],  
[3.1572e+01, 1.1196e-01, 8.9260e-01],  
[3.5664e+01, 1.8957e-01, 1.7203e+00],  
[5.3009e-02, 1.2650e-06, 7.9140e-03],  
[1.0692e+00, 1.7119e-04, 1.3068e-01],  
[1.7912e+02, 5.7312e+00, 4.3855e+00],  
[1.0658e+01, 2.4999e-02, 4.6598e-01],  
[3.8006e+00, 1.7082e-03, 2.2135e-01],  
[6.3043e+01, 1.2386e+00, 3.5975e+00],  
[1.9637e+00, 8.3858e-04, 2.1081e-01],  
[4.4613e+01, 4.9099e-01, 2.8410e+00],  
[1.4455e+01, 3.4670e-02, 7.3480e-01],  
[2.5102e+01, 1.1410e-01, 7.1355e-01],  
[3.0416e-02, 3.2561e-07, 4.3236e-03],  
[1.3112e+02, 1.3545e+00, 4.3362e+00],  
[7.9192e+01, 1.8968e+00, 2.5961e+00],  
[3.9442e+01, 7.4025e-02, 1.6645e+00],  
[5.2270e-02, 3.3267e-06, 7.5941e-03],  
[1.2479e-02, 4.9280e-08, 1.9076e-03],  
[2.9855e+02, 5.7145e+00, 5.1497e+00],  
[3.5635e-01, 3.3115e-06, 2.8233e-02],  
[9.2361e+01, 7.4372e-01, 3.9997e+00],  
[6.2751e-02, 6.1686e-07, 8.1644e-03],  
[1.0999e-01, 7.4793e-07, 1.4995e-02],  
[7.8851e+00, 6.4160e-03, 2.9962e-01],  
[1.9494e-01, 2.9305e-06, 2.1783e-02],  
[1.7318e+00, 1.4037e-04, 1.5325e-01],

[1.2267e+02, 3.5929e+00, 4.2073e+00],  
 [3.6249e+00, 2.6812e-03, 2.6649e-01],  
 [1.2492e+00, 2.6937e-04, 1.2915e-01],  
 [2.2979e+01, 9.8638e-02, 1.3467e+00],  
 [5.1918e+01, 9.2480e-01, 1.5531e+00],  
 [1.4032e+00, 9.1477e-05, 1.7063e-01],  
 [3.2398e+01, 1.0232e-01, 9.1536e-01],  
 [7.2769e-02, 2.2399e-06, 9.9853e-03],  
 [4.8184e+01, 5.7288e-01, 2.7664e+00],  
 [1.3306e+00, 3.7167e-04, 1.2548e-01],  
 [9.4609e+00, 1.7032e-02, 4.2243e-01],  
 [1.9115e+01, 5.2625e-02, 9.5905e-01],  
 [5.7807e+01, 6.5743e-02, 2.8285e+00],  
 [1.9754e+02, 1.8471e+00, 4.0915e+00],  
 [5.1940e+00, 7.1617e-03, 3.7563e-01],  
 [6.3225e-01, 1.7026e-04, 6.3998e-02],  
 [2.2381e+00, 6.3184e-04, 2.4636e-01],  
 [1.0786e+00, 1.7773e-04, 1.3132e-01],  
 [6.2766e+01, 1.1634e+00, 1.9319e+00],  
 [9.0171e+01, 7.9295e-01, 2.1099e+00],  
 [9.4136e+01, 2.2238e+00, 3.9344e+00],  
 [8.9397e-01, 1.3022e-04, 1.0228e-01],  
 [4.0267e-01, 5.4242e-05, 3.5766e-02],  
 [4.2242e+01, 8.3707e-02, 1.7580e+00],  
 [5.6128e+00, 8.1841e-03, 2.9769e-01],  
 [2.4306e+01, 1.0431e-01, 1.0515e+00],  
 [3.6974e+00, 3.1135e-03, 2.5681e-01],  
 [1.3412e+02, 5.6602e-01, 3.0329e+00],  
 [1.3423e+01, 1.9960e-02, 5.1450e-01],  
 [1.8035e+00, 1.3509e-03, 1.8078e-01],  
 [3.6177e+00, 4.1801e-04, 1.4937e-01],  
 [5.5524e+00, 2.4897e-03, 4.3878e-01],  
 [7.5613e+01, 2.3233e-01, 2.2707e+00],  
 [1.9008e+01, 6.3914e-02, 6.7495e-01],  
 [2.3880e+00, 9.3174e-04, 1.2058e-01],  
 [2.5296e+00, 4.6788e-03, 2.7983e-01],  
 [4.2451e+00, 3.6320e-03, 3.4373e-01],  
 [3.6966e-01, 3.7752e-05, 3.7998e-02],  
 [2.0193e-01, 2.4209e-06, 2.0806e-02],  
 [7.0534e+00, 8.9859e-03, 4.3125e-01],  
 [2.5779e-01, 3.4802e-05, 2.6411e-02],  
 [1.5226e-01, 1.8330e-06, 2.2637e-02],  
 [2.8800e+00, 7.6831e-03, 2.7825e-01],  
 [1.5716e+02, 2.2054e+00, 3.1780e+00],  
 [1.9132e+02, 5.4981e+00, 4.4503e+00],  
 [1.9013e-01, 7.6511e-06, 2.5653e-02],  
 [1.3472e+02, 3.3785e+00, 3.7097e+00],  
 [1.2940e-01, 1.1584e-06, 1.4878e-02],

[6.0390e+01, 4.3724e-01, 1.3166e+00],  
[3.0494e+01, 1.9239e-01, 1.1545e+00],  
[2.8375e-04, 3.9369e-11, 4.6496e-05],  
[1.0687e+02, 1.9852e+00, 2.6476e+00],  
[6.1002e+01, 7.3088e-01, 2.1296e+00],  
[1.8881e+01, 6.4972e-02, 9.6574e-01],  
[3.6119e-01, 6.0258e-06, 3.2320e-02],  
[4.8803e-02, 1.1724e-06, 6.4269e-03],  
[6.5801e-03, 3.2787e-08, 1.0095e-03],  
[4.9059e+01, 2.2746e-01, 3.1938e+00],  
[6.5243e-02, 1.8912e-06, 8.3882e-03],  
[2.2217e-01, 5.1672e-06, 2.7603e-02],  
[1.4239e-01, 9.7261e-06, 1.5185e-02],  
[6.6136e+01, 7.5192e-01, 2.8859e+00],  
[2.9368e+01, 1.7014e-01, 1.9096e+00],  
[4.9323e-01, 4.3902e-05, 5.4393e-02],  
[8.3658e+01, 5.6132e-01, 2.4733e+00],  
[4.0035e+01, 4.1761e-02, 1.2687e+00],  
[2.3688e+01, 2.4234e-01, 9.6156e-01],  
[2.5982e+01, 2.9330e-01, 1.8429e+00],  
[1.1730e+02, 6.7235e-01, 2.4783e+00],  
[2.1484e-01, 1.5682e-05, 3.1059e-02],  
[1.4006e-01, 1.0952e-05, 1.5770e-02],  
[2.9007e+01, 4.9847e-02, 1.0496e+00],  
[2.4620e+00, 2.1996e-03, 2.5693e-01],  
[3.6832e+00, 4.7731e-04, 3.5075e-01],  
[1.4084e+00, 2.1129e-04, 1.0838e-01],  
[2.1546e+02, 8.0059e+00, 4.7203e+00],  
[8.4646e-02, 1.1597e-06, 1.2461e-02],  
[3.5613e-01, 2.2085e-05, 2.8410e-02],  
[2.4387e+01, 1.2689e-01, 1.0556e+00],  
[5.9970e+00, 9.3393e-03, 5.5510e-01],  
[1.7199e+01, 9.3207e-02, 7.3308e-01],  
[2.4872e-01, 7.2809e-06, 2.5471e-02],  
[2.0227e+01, 1.1836e-01, 1.3918e+00],  
[3.1739e-02, 5.0118e-07, 4.9102e-03],  
[7.3593e-02, 8.7500e-07, 1.0766e-02],  
[9.7395e+00, 2.8407e-03, 6.4662e-01],  
[3.5945e+00, 3.2426e-04, 1.6381e-01],  
[2.6033e+00, 1.4521e-03, 1.9761e-01],  
[1.9359e+00, 1.1087e-03, 1.3720e-01],  
[6.6781e-01, 9.1622e-05, 4.7194e-02],  
[2.6734e+01, 2.3170e-01, 1.1126e+00],  
[5.0109e+00, 3.1621e-03, 2.1292e-01],  
[8.0479e-02, 1.4377e-06, 1.0664e-02],  
[4.7684e-01, 1.1506e-04, 6.1143e-02],  
[6.5306e-01, 1.1016e-04, 7.7822e-02],  
[3.7622e+01, 2.6545e-01, 1.0908e+00],

```

[1.4547e+00, 1.5017e-04, 9.5416e-02],
[4.0507e-04, 4.7391e-11, 6.6436e-05],
[7.5141e+01, 4.8384e-01, 1.9540e+00],
[1.6076e+01, 3.6209e-02, 5.4137e-01]], dtype=torch.float64)
Iteration: 207
Inputs: tensor([[1.3458e+20, 4.6932e+02, 2.3891e+00, 4.4057e+00],
[3.7722e+20, 4.1720e+02, 1.3672e+01, 9.7414e+00],
[7.0319e+18, 2.8337e+02, 1.8153e+01, 1.1433e+00],
...,
[1.7255e+19, 4.0987e+02, 1.6389e+01, 3.7429e+00],
[2.0008e+20, 4.1884e+02, 1.5031e+01, 6.6367e+00],
[2.8209e+18, 4.9484e+02, 1.8699e+01, 7.4107e+00]], dtype=torch.float64)
Target: tensor([[8.9514e+01, 2.7075e-01, 1.7380e+00],
[1.3106e+02, 4.3021e+00, 3.0106e+00],
[7.5876e-02, 8.1121e-07, 1.1017e-02],
[9.4136e-01, 4.0624e-04, 1.0135e-01],
[7.2698e+01, 2.1614e-01, 1.7154e+00],
[1.2141e+01, 4.8815e-02, 8.8774e-01],
[1.5333e+01, 6.4264e-02, 7.3962e-01],
[2.0401e+00, 8.2896e-04, 1.7167e-01],
[1.8687e+01, 2.8627e-02, 6.7103e-01],
[4.6409e+01, 5.7980e-01, 1.9725e+00],
[2.3190e+00, 2.2190e-03, 1.4700e-01],
[7.6196e-02, 1.3621e-07, 9.6865e-03],
[4.3098e-01, 1.0749e-04, 4.1136e-02],
[7.0638e+01, 1.1313e+00, 2.1433e+00],
[7.4302e+00, 6.9764e-03, 4.7682e-01],
[8.7779e-01, 1.6474e-04, 8.0125e-02],
[2.3305e-03, 9.7881e-10, 3.7859e-04],
[3.4782e+01, 1.6121e-01, 1.1982e+00],
[8.6571e+00, 1.5690e-02, 8.0906e-01],
[3.7834e+01, 2.7915e-01, 1.0328e+00],
[2.1890e+01, 1.7857e-01, 1.6344e+00],
[1.1951e+02, 1.4781e+00, 3.9147e+00],
[1.4919e+02, 4.9823e+00, 4.3062e+00],
[1.1210e+01, 9.4570e-02, 1.1480e+00],
[4.1986e-01, 1.2559e-04, 5.8570e-02],
[6.4785e+01, 2.4674e-01, 1.5490e+00],
[1.2847e+00, 5.6455e-04, 1.2184e-01],
[3.2375e+01, 3.0976e-01, 1.2422e+00],
[3.3698e+00, 5.8050e-04, 1.8163e-01],
[7.3284e-01, 1.4850e-04, 5.5763e-02],
[1.2168e+01, 3.0837e-02, 4.2834e-01],
[2.5701e-01, 1.1885e-05, 2.4725e-02],
[9.2235e-02, 8.8517e-07, 1.1947e-02],
[2.8119e+00, 1.7305e-03, 1.9654e-01],
[1.2673e+02, 4.5635e-01, 2.4391e+00],
[1.7118e+02, 7.4606e-01, 4.0210e+00],

```

[2.5173e+00, 1.7043e-03, 1.5016e-01],  
[5.5591e+00, 1.1146e-02, 4.5852e-01],  
[1.4104e+01, 1.6294e-02, 5.7655e-01],  
[7.3687e-01, 4.0947e-05, 8.9307e-02],  
[3.4118e+01, 2.7550e-01, 9.4351e-01],  
[1.9215e-01, 1.2702e-06, 2.2169e-02],  
[2.7497e-01, 1.3364e-05, 3.2603e-02],  
[2.2576e+00, 7.3759e-04, 1.3132e-01],  
[1.0545e+01, 1.2538e-02, 8.0498e-01],  
[1.8293e-01, 8.1646e-06, 1.9055e-02],  
[1.1331e+02, 1.0162e+00, 2.5359e+00],  
[2.8749e-01, 6.2174e-06, 3.5091e-02],  
[1.2937e+02, 6.5387e-01, 2.7982e+00],  
[2.8114e-03, 2.3838e-09, 4.5353e-04],  
[3.2587e+00, 1.7362e-03, 2.0530e-01],  
[4.4992e+00, 1.0846e-02, 3.2414e-01],  
[1.2726e+00, 4.0955e-04, 1.1247e-01],  
[2.5679e+00, 1.0785e-03, 2.9347e-01],  
[7.8433e-01, 1.8382e-04, 6.8428e-02],  
[4.0677e-01, 2.7989e-05, 5.1651e-02],  
[9.3478e+01, 2.5773e+00, 3.4302e+00],  
[2.9968e+01, 2.7903e-01, 1.5283e+00],  
[1.5181e-02, 1.4578e-07, 2.2288e-03],  
[2.1549e-02, 7.3339e-08, 3.3172e-03],  
[1.4057e-01, 8.9958e-07, 1.7369e-02],  
[2.9012e+01, 7.2410e-02, 7.2958e-01],  
[1.0473e+00, 4.8739e-05, 8.4539e-02],  
[4.1580e+01, 5.6641e-02, 2.3157e+00],  
[2.9762e+01, 1.5100e-01, 1.0052e+00],  
[2.9061e+00, 7.7155e-03, 3.1117e-01],  
[5.2510e+00, 5.7339e-03, 2.7172e-01],  
[1.5374e+00, 1.1121e-03, 1.2470e-01],  
[2.8311e+01, 1.4219e-01, 1.1071e+00],  
[2.8853e-01, 2.1717e-05, 2.9864e-02],  
[2.7956e+00, 1.6124e-04, 1.6922e-01],  
[2.2362e+00, 3.9806e-03, 2.1523e-01],  
[7.0007e+00, 7.5848e-03, 3.6545e-01],  
[2.2668e-02, 9.0832e-09, 3.2865e-03],  
[1.1290e+02, 4.8134e-01, 2.8355e+00],  
[9.5621e+00, 7.5559e-04, 4.2594e-01],  
[8.0453e+00, 3.4403e-02, 4.7975e-01],  
[9.6506e+00, 1.5527e-02, 3.9645e-01],  
[3.6536e-01, 2.5533e-05, 3.8144e-02],  
[1.1110e+01, 9.1598e-03, 6.2448e-01],  
[7.2669e+01, 9.4417e-01, 2.0694e+00],  
[4.2909e+00, 1.9536e-03, 2.1826e-01],  
[8.2788e-01, 7.1681e-04, 9.2614e-02],  
[4.8053e-02, 8.0922e-07, 6.2761e-03],



[2.7074e-02, 8.8836e-07, 3.9887e-03],  
[1.4879e+00, 1.4104e-04, 1.4548e-01],  
[2.4880e-04, 8.2665e-12, 4.0987e-05],  
[3.6988e-01, 1.1799e-05, 3.6091e-02],  
[2.0694e-02, 2.8191e-07, 2.9857e-03],  
[1.1837e+02, 2.3925e-01, 3.7711e+00],  
[2.8263e+01, 9.4907e-02, 1.5253e+00],  
[9.9512e+00, 3.4227e-02, 5.7331e-01],  
[2.6906e-01, 2.0431e-05, 2.5587e-02],  
[1.4051e-01, 1.5442e-05, 1.6674e-02],  
[3.7021e+01, 1.6325e-01, 2.1281e+00],  
[9.7389e-02, 1.9694e-06, 1.2554e-02],  
[2.1601e+01, 1.3653e-01, 1.1606e+00],  
[2.3886e+01, 6.7580e-02, 1.7405e+00],  
[5.8422e-01, 1.7478e-04, 5.9418e-02],  
[2.1053e+00, 2.1271e-04, 1.6652e-01],  
[5.9398e+00, 1.1473e-02, 3.4108e-01],  
[1.1366e-02, 1.1837e-08, 1.7197e-03],  
[1.4452e+00, 7.9708e-04, 1.2221e-01],  
[4.9138e+01, 2.9566e-01, 1.4177e+00],  
[8.6136e+01, 3.6483e-01, 2.8346e+00],  
[6.2530e+01, 4.5534e-01, 1.2133e+00],  
[1.1236e+02, 1.4948e+00, 2.9506e+00],  
[2.5725e+01, 6.0349e-02, 8.1343e-01],  
[1.4605e+01, 3.3491e-02, 8.1581e-01],  
[2.9204e-02, 1.7597e-07, 4.0413e-03],  
[2.5860e+01, 7.5260e-02, 1.6472e+00],  
[4.6946e+01, 4.1652e-01, 1.8014e+00],  
[2.2575e+00, 4.6190e-04, 2.1815e-01],  
[6.7606e+01, 8.9112e-01, 2.5446e+00],  
[3.0290e+01, 1.2337e-01, 8.2173e-01],  
[1.7841e+00, 5.6289e-05, 1.4817e-01],  
[2.3121e+00, 7.5601e-04, 2.4226e-01],  
[4.1862e+01, 1.0203e+00, 2.8454e+00],  
[8.8133e+01, 5.7592e-01, 2.0558e+00],  
[8.2930e+00, 1.9740e-02, 4.6127e-01],  
[1.2593e+00, 1.9906e-04, 9.3549e-02],  
[1.6940e+01, 5.4706e-02, 7.4794e-01],  
[2.5740e+01, 4.6033e-02, 1.2140e+00],  
[1.7376e+00, 8.0640e-04, 1.4939e-01],  
[8.3926e-01, 1.2409e-04, 1.0721e-01],  
[6.9515e-02, 5.9641e-07, 9.2833e-03],  
[6.3921e+00, 4.1495e-03, 2.2155e-01],  
[3.3567e+01, 1.8779e-01, 1.0378e+00],  
[6.5033e+01, 1.3008e+00, 3.3253e+00],  
[3.5513e-04, 5.6658e-11, 5.8221e-05],  
[1.2061e+02, 1.5257e-01, 3.4434e+00],  
[1.0270e-01, 6.4778e-06, 1.4287e-02],

[1.0019e+00, 6.1498e-04, 1.1770e-01],  
[3.0950e+01, 9.2784e-02, 9.2941e-01],  
[3.0883e+01, 3.3768e-01, 1.7033e+00],  
[9.3314e-01, 3.4588e-04, 7.8881e-02],  
[2.6076e+01, 1.8535e-01, 1.2088e+00],  
[9.8182e+01, 3.1570e+00, 3.4803e+00],  
[3.5568e+01, 1.4964e-01, 1.3727e+00],  
[2.4826e-01, 3.9923e-06, 3.1059e-02],  
[2.3886e-02, 7.3437e-08, 3.4623e-03],  
[1.5296e+01, 1.6269e-02, 1.1268e+00],  
[6.8375e+01, 4.7631e-01, 2.4700e+00],  
[2.8806e+00, 2.1512e-03, 1.9328e-01],  
[4.3673e+00, 2.3786e-03, 2.2779e-01],  
[2.8933e-01, 4.1973e-05, 3.7095e-02],  
[2.2101e+01, 1.0918e-01, 1.7608e+00],  
[3.4167e+01, 9.9132e-02, 1.0541e+00],  
[6.4432e-01, 3.1086e-05, 6.6686e-02],  
[4.8430e+00, 3.7863e-03, 3.5000e-01],  
[4.9230e-01, 4.9482e-05, 5.4738e-02],  
[1.4501e+02, 2.0221e+00, 2.8685e+00],  
[1.7768e-01, 1.2154e-05, 1.9308e-02],  
[2.2302e+01, 5.8623e-02, 6.8243e-01],  
[1.9701e+01, 3.8018e-02, 1.5353e+00],  
[4.4596e+00, 1.3709e-03, 2.7357e-01],  
[7.5924e-01, 1.3119e-04, 8.8385e-02],  
[6.3783e-01, 2.3253e-04, 6.6441e-02],  
[2.1050e+01, 8.2919e-02, 1.5540e+00],  
[9.1900e+01, 9.3704e-01, 1.9875e+00],  
[7.3767e+01, 5.0210e-01, 1.4100e+00],  
[5.5537e-02, 4.7989e-07, 7.0583e-03],  
[1.0292e+00, 1.0929e-03, 1.3247e-01],  
[9.3270e-03, 1.8651e-08, 1.4531e-03],  
[5.5004e+01, 4.3347e-01, 2.9317e+00],  
[1.1440e+02, 1.9460e+00, 3.6842e+00],  
[1.5251e+01, 1.1769e-02, 1.4419e+00],  
[3.1210e-01, 3.4065e-05, 3.4934e-02],  
[9.2810e+01, 1.5635e+00, 3.2687e+00],  
[3.5612e+00, 2.7673e-03, 2.2369e-01],  
[1.7708e+02, 5.0562e+00, 4.6292e+00],  
[7.5101e-02, 4.0234e-06, 9.5933e-03],  
[1.5294e+01, 4.5665e-02, 6.5074e-01],  
[6.3909e+01, 1.8752e+00, 3.4719e+00],  
[1.8295e+01, 2.2110e-02, 5.3302e-01],  
[6.5449e-01, 1.1596e-04, 6.7300e-02],  
[3.9612e+01, 2.4778e-01, 1.9274e+00],  
[3.6852e+01, 1.3923e-01, 1.6870e+00],  
[7.2136e-02, 2.9302e-06, 8.8813e-03],  
[2.1209e+01, 3.7619e-03, 6.4672e-01],

[2.5374e+01, 1.9972e-01, 9.0190e-01],  
[1.5098e+02, 1.4469e-01, 3.4963e+00],  
[2.3454e+01, 6.3746e-02, 1.0482e+00],  
[1.5173e+00, 4.0286e-04, 1.6805e-01],  
[1.2374e+02, 9.7722e-01, 2.6902e+00],  
[4.2326e-01, 6.7032e-05, 4.2227e-02],  
[1.5462e-01, 9.2549e-07, 1.9125e-02],  
[4.9978e-02, 3.0518e-06, 7.1457e-03],  
[1.9755e+00, 6.1385e-04, 1.3272e-01],  
[1.2057e+01, 1.7610e-03, 4.9872e-01],  
[6.6632e-01, 1.3047e-04, 6.2334e-02],  
[2.7363e+01, 6.2094e-02, 1.1597e+00],  
[3.3935e+00, 4.2580e-03, 3.2455e-01],  
[5.6744e-01, 4.4233e-06, 4.1314e-02],  
[2.6334e+02, 3.9641e+00, 4.6272e+00],  
[8.8149e-02, 6.2049e-07, 1.2273e-02],  
[7.4191e-01, 7.3327e-05, 8.7398e-02],  
[2.1896e+00, 1.6445e-03, 1.9916e-01],  
[3.9440e-01, 9.5781e-05, 4.0330e-02],  
[1.1216e+01, 5.5536e-02, 6.2213e-01],  
[6.0671e+01, 4.4662e-01, 2.9909e+00],  
[4.3401e-01, 1.1046e-04, 5.6725e-02],  
[3.8793e+01, 1.7245e-01, 1.0236e+00],  
[9.3883e+01, 1.6485e+00, 2.4775e+00],  
[8.1409e+00, 1.3638e-02, 4.3661e-01],  
[3.9152e+00, 5.5669e-03, 2.9064e-01],  
[8.6473e-02, 5.5825e-07, 1.0771e-02],  
[1.6692e+00, 1.0615e-03, 1.4807e-01],  
[5.2150e-01, 5.2315e-04, 7.1448e-02],  
[5.3854e+00, 3.4028e-03, 3.7641e-01],  
[8.2777e+00, 2.8250e-03, 3.7807e-01],  
[9.6723e+01, 1.2163e-01, 2.7260e+00],  
[4.6897e+01, 2.1210e-01, 1.4209e+00],  
[5.2824e+01, 4.9332e-01, 1.5030e+00],  
[3.8165e+01, 4.1463e-01, 1.6503e+00],  
[2.8227e+01, 1.6212e-01, 8.8757e-01],  
[3.5121e-01, 8.8282e-05, 3.9035e-02],  
[5.2911e+01, 2.5104e-01, 3.2572e+00],  
[3.2263e-01, 4.1569e-05, 3.4649e-02],  
[3.8533e+01, 2.8312e-01, 1.1069e+00],  
[5.7057e+00, 1.0731e-02, 5.9880e-01],  
[5.2688e-01, 6.9968e-05, 4.3230e-02],  
[8.3458e+01, 6.1881e-01, 1.9234e+00],  
[2.9360e-01, 5.6332e-06, 3.6883e-02],  
[2.1119e+01, 7.6146e-02, 1.5996e+00],  
[1.4728e+00, 9.5008e-04, 1.3785e-01],  
[2.7790e+01, 3.9316e-02, 1.6003e+00],  
[7.2918e-01, 7.9860e-05, 8.3064e-02],

[5.7449e+01, 1.3356e-01, 1.5594e+00],  
[1.0767e+02, 5.5485e-01, 3.9552e+00],  
[1.6812e-01, 1.3435e-05, 2.0658e-02],  
[1.8257e+00, 4.2949e-04, 2.1309e-01],  
[4.8664e+00, 2.9956e-03, 1.9393e-01],  
[4.6861e-02, 7.3861e-07, 6.7268e-03],  
[3.8010e-01, 4.5139e-05, 3.6139e-02],  
[1.8400e-01, 1.6448e-05, 1.8412e-02],  
[4.2680e+01, 4.8552e-01, 2.1957e+00],  
[1.3989e+00, 8.8825e-04, 1.9736e-01],  
[6.1362e+01, 3.8958e-01, 2.3572e+00],  
[6.4330e+01, 3.1006e-01, 2.9767e+00],  
[2.2533e+01, 8.9347e-03, 8.9551e-01],  
[1.1803e+01, 1.8673e-02, 4.0883e-01],  
[2.0715e+00, 5.5162e-04, 1.4882e-01],  
[1.0006e+01, 1.4288e-02, 8.5026e-01],  
[5.8532e+01, 5.2100e-01, 2.5409e+00],  
[1.7303e+01, 9.0821e-02, 7.0330e-01],  
[1.0015e-01, 3.3157e-06, 1.3256e-02],  
[2.4835e-01, 1.1769e-04, 3.4720e-02],  
[1.5899e+00, 5.9825e-04, 1.2910e-01],  
[1.4665e-03, 1.0846e-09, 2.3722e-04],  
[1.4866e+00, 4.8990e-04, 1.3070e-01],  
[2.6490e+00, 7.9748e-04, 2.8579e-01],  
[1.4024e+01, 3.2548e-02, 6.1031e-01],  
[2.7727e+02, 4.5543e+00, 5.0439e+00],  
[1.3993e+01, 6.5046e-03, 6.9345e-01],  
[2.9963e+01, 1.0562e-01, 1.1831e+00],  
[1.3335e-02, 2.4937e-07, 1.9553e-03],  
[1.6383e+02, 1.6214e+00, 2.8004e+00],  
[1.2665e+00, 9.4076e-04, 1.4730e-01],  
[1.5599e+01, 1.2174e-02, 9.3086e-01],  
[8.8705e-01, 3.9540e-04, 1.0064e-01],  
[9.5969e-02, 8.1191e-06, 1.3465e-02],  
[9.7808e-01, 4.7912e-04, 1.1398e-01],  
[9.6779e-01, 9.5305e-05, 5.3044e-02],  
[7.4749e-01, 1.6652e-04, 5.9536e-02],  
[7.5707e+01, 4.2915e-01, 3.7224e+00],  
[6.9365e+01, 7.4438e-01, 2.5169e+00],  
[1.8158e+01, 4.1640e-02, 8.3517e-01],  
[1.6416e+01, 1.6584e-02, 7.8700e-01],  
[1.6944e+00, 8.2632e-04, 1.2669e-01],  
[9.7848e+00, 2.2643e-02, 5.5636e-01],  
[5.7550e+00, 7.0783e-03, 2.9658e-01],  
[4.5260e+01, 3.2751e-01, 1.2163e+00],  
[1.3431e-01, 1.3291e-06, 1.8176e-02],  
[5.7487e+01, 1.2960e-01, 1.8748e+00],  
[3.7031e-01, 3.7153e-05, 4.0718e-02],

```

[1.9692e+01, 5.6139e-02, 7.1827e-01],
[1.8309e-01, 2.9028e-06, 1.9581e-02],
[1.9429e+01, 6.2504e-02, 1.4326e+00],
[3.9165e+01, 4.1953e-01, 2.0039e+00],
[3.3299e+01, 1.1505e-01, 1.5564e+00],
[3.5210e+01, 3.6262e-01, 2.0121e+00],
[1.8437e+01, 9.8871e-02, 1.0193e+00],
[9.3231e-02, 8.4374e-06, 1.2327e-02],
[2.0269e-02, 1.8185e-07, 2.9344e-03],
[3.6992e+01, 8.7882e-02, 1.9678e+00],
[1.4413e+01, 2.3422e-02, 8.0365e-01],
[5.9324e-02, 2.5268e-06, 7.7667e-03],
[3.2686e+01, 2.2575e-01, 1.4020e+00],
[7.9161e-02, 6.5295e-06, 9.7254e-03],
[1.5389e+00, 4.3380e-04, 9.7327e-02],
[5.3601e+00, 2.7808e-03, 5.1728e-01],
[2.3472e-01, 5.7468e-06, 2.9538e-02],
[1.4609e-02, 1.9959e-07, 2.1471e-03],
[1.9377e+00, 1.1764e-03, 1.8315e-01],
[6.8819e+01, 3.3239e-01, 3.2199e+00],
[4.0138e+01, 3.9457e-01, 1.8509e+00],
[1.1527e+01, 8.7806e-03, 4.1968e-01],
[2.0225e+01, 4.9815e-02, 1.0865e+00],
[8.6211e+01, 1.5987e+00, 3.2616e+00],
[5.7317e+00, 6.4123e-03, 4.6271e-01],
[5.0506e+01, 3.4600e-01, 3.2444e+00],
[7.0042e+01, 5.9589e-01, 2.3185e+00],
[1.1444e+02, 1.3927e+00, 3.9941e+00],
[1.7786e+00, 7.5007e-04, 1.4896e-01],
[1.1869e+01, 2.0292e-03, 5.2001e-01],
[2.2834e+01, 5.3570e-02, 1.1497e+00],
[1.9293e-01, 1.4558e-05, 1.9825e-02],
[1.8136e-01, 1.0867e-05, 1.9166e-02],
[1.0985e-01, 1.9185e-07, 1.2490e-02],
[1.9503e+01, 2.3719e-01, 1.7286e+00],
[8.4856e+00, 1.9571e-02, 5.7364e-01],
[5.8175e+01, 7.4076e-01, 1.6893e+00],
[7.0295e-01, 1.6014e-04, 7.0330e-02],
[6.5780e+00, 3.2226e-04, 2.7062e-01],
[8.9735e+01, 2.0951e+00, 3.7039e+00],
[2.2103e+01, 1.3673e-01, 8.4949e-01],
[4.0401e+00, 2.6476e-03, 2.9065e-01],
[6.9382e+01, 8.5825e-01, 2.0495e+00],
[7.0430e-01, 2.0733e-04, 5.9833e-02]], dtype=torch.float64)

```

Iteration: 208

```

Inputs: tensor([[4.8419e+19, 2.6459e+02, 1.5324e+01, 3.5364e+00],
               [4.4737e+18, 3.2584e+02, 8.8009e+00, 1.3548e+00],
               [6.5966e+18, 2.5206e+02, 1.5727e+01, 6.1390e+00],

```

```

...,
[1.1985e+19, 1.3206e+02, 3.5271e+00, 8.1682e+00],
[2.8718e+19, 1.2294e+02, 1.7013e+01, 3.1994e+00],
[1.0521e+18, 3.9978e+02, 5.7590e-01, 3.3647e+00]], dtype=torch.float64)
Target: tensor([[9.2356e+00, 1.4131e-02, 6.1065e-01],
[2.1401e-01, 2.7363e-06, 2.6782e-02],
[9.0313e-01, 3.1486e-04, 8.8234e-02],
[5.8359e-01, 1.6721e-04, 7.7013e-02],
[5.3395e-01, 3.7489e-05, 7.0116e-02],
[6.6194e-02, 4.9612e-06, 8.3836e-03],
[1.8401e-01, 8.2583e-06, 2.3193e-02],
[2.8056e+01, 2.3580e-01, 9.3144e-01],
[1.1363e+02, 2.3081e+00, 4.0308e+00],
[6.2183e-01, 3.6451e-05, 8.0537e-02],
[4.1403e-01, 5.7317e-05, 5.1050e-02],
[1.2637e+00, 2.0481e-04, 1.0810e-01],
[1.7702e-01, 1.2411e-05, 1.9544e-02],
[6.0961e+01, 5.2462e-01, 2.9972e+00],
[6.6997e+01, 1.2773e+00, 2.5583e+00],
[2.3523e+00, 4.7961e-04, 1.0456e-01],
[1.4365e+02, 3.6388e+00, 4.0240e+00],
[7.4336e+01, 1.9798e-01, 2.8079e+00],
[3.8990e+01, 1.9052e-01, 1.1409e+00],
[8.5802e-03, 1.6315e-08, 1.2969e-03],
[3.0132e-01, 6.7263e-06, 3.7005e-02],
[1.0712e+01, 9.9003e-03, 3.5953e-01],
[1.4174e-01, 6.3009e-06, 1.7872e-02],
[2.4840e+00, 2.9776e-03, 2.2441e-01],
[7.6290e-02, 1.1516e-06, 1.0659e-02],
[1.1565e+00, 1.4572e-04, 1.2272e-01],
[1.6590e+01, 8.2824e-02, 7.9641e-01],
[9.4813e-02, 4.7967e-06, 1.2372e-02],
[4.1412e+01, 1.9050e-02, 1.2583e+00],
[1.3626e+00, 2.2121e-04, 1.3354e-01],
[8.2772e+01, 6.0644e-01, 3.1364e+00],
[7.7400e-01, 2.7060e-04, 7.9868e-02],
[4.6555e-01, 2.5847e-05, 5.1073e-02],
[1.0863e-01, 1.7801e-06, 1.4447e-02],
[1.2709e+01, 6.8356e-03, 8.7406e-01],
[8.3740e+01, 3.6033e-01, 2.2001e+00],
[7.4087e-02, 1.5837e-06, 9.5660e-03],
[2.8854e+01, 9.1775e-02, 1.3112e+00],
[2.0182e+01, 8.3276e-03, 5.6043e-01],
[1.6502e-01, 5.9690e-06, 1.7430e-02],
[2.1417e+01, 5.3308e-02, 1.8786e+00],
[1.4029e+00, 2.8253e-03, 1.6954e-01],
[9.3726e+01, 6.3156e-01, 1.6660e+00],
[5.1329e-01, 3.2129e-04, 6.1640e-02],

```

[1.5125e-01, 1.0566e-05, 1.8308e-02],  
[8.3775e-01, 1.5966e-04, 5.8228e-02],  
[5.3974e+01, 6.2547e-01, 1.4250e+00],  
[2.6883e+01, 1.8611e-01, 1.0461e+00],  
[1.9479e+01, 1.1981e-01, 8.8752e-01],  
[2.1000e+00, 1.8486e-03, 1.3648e-01],  
[9.7981e-01, 4.9262e-05, 7.4576e-02],  
[2.4522e-02, 6.2912e-07, 3.5264e-03],  
[1.4302e+00, 7.2287e-04, 1.7459e-01],  
[4.8708e-02, 8.4740e-07, 6.9615e-03],  
[1.4447e+02, 1.4506e-01, 4.1397e+00],  
[3.1259e-01, 2.0895e-05, 3.4796e-02],  
[1.7617e-01, 1.4734e-05, 2.5792e-02],  
[1.3504e-01, 1.7373e-05, 1.7924e-02],  
[4.6240e+01, 3.0836e-01, 1.5980e+00],  
[2.5182e+00, 3.0601e-04, 2.0509e-01],  
[9.0294e-03, 2.9432e-08, 1.3828e-03],  
[4.0595e+00, 8.4008e-03, 3.1957e-01],  
[1.9292e+02, 3.4668e+00, 3.2238e+00],  
[8.8556e-02, 3.9491e-06, 1.0566e-02],  
[4.1530e+00, 4.9818e-03, 3.1257e-01],  
[2.3735e+02, 2.7903e+00, 4.3797e+00],  
[1.6222e+02, 3.4398e+00, 4.4874e+00],  
[1.8023e+01, 2.0795e-02, 5.9657e-01],  
[2.7492e-01, 2.9627e-05, 2.6672e-02],  
[6.0223e+00, 1.0061e-03, 2.7144e-01],  
[6.6112e+01, 4.2054e-01, 2.0325e+00],  
[1.0255e+00, 3.0673e-04, 9.3966e-02],  
[2.7065e+00, 1.1586e-04, 1.8089e-01],  
[3.8669e+01, 2.5610e-01, 1.2943e+00],  
[9.2694e+00, 3.5954e-02, 5.7453e-01],  
[6.2827e-01, 1.7746e-04, 6.4391e-02],  
[6.1614e+01, 4.1524e-01, 1.5983e+00],  
[5.8224e+01, 1.0804e-01, 1.9466e+00],  
[3.5500e+01, 3.6864e-02, 1.0829e+00],  
[2.8973e+01, 6.8467e-02, 9.7854e-01],  
[2.7625e+00, 7.8494e-04, 1.5724e-01],  
[7.8987e-01, 1.8572e-04, 9.4742e-02],  
[1.6884e+00, 6.7468e-05, 1.2788e-01],  
[4.5034e+00, 4.4327e-03, 2.1625e-01],  
[1.9924e-01, 2.0778e-05, 2.6488e-02],  
[7.5035e-01, 7.5743e-04, 9.2996e-02],  
[1.0333e-02, 1.4518e-08, 1.5775e-03],  
[7.4271e+00, 1.7443e-02, 7.2128e-01],  
[4.0289e-02, 1.6949e-06, 5.7862e-03],  
[9.1060e+01, 9.7032e-01, 2.9539e+00],  
[1.6607e-02, 1.4471e-08, 2.4219e-03],  
[2.3487e+00, 2.3142e-03, 2.2146e-01],

[8.2153e+00, 8.7723e-03, 3.8466e-01],  
[4.0628e-01, 7.8861e-05, 4.0304e-02],  
[4.8096e+00, 2.7303e-03, 2.5484e-01],  
[5.1246e+01, 2.5682e-02, 1.2959e+00],  
[2.6309e-01, 7.4024e-06, 3.2092e-02],  
[1.0380e+00, 1.2850e-03, 1.2528e-01],  
[5.6090e-02, 3.1985e-07, 7.4233e-03],  
[3.5357e-01, 9.3102e-06, 3.5914e-02],  
[8.9048e+00, 4.7598e-03, 6.7925e-01],  
[1.2557e+00, 1.1361e-03, 1.1666e-01],  
[4.7926e+00, 6.3991e-04, 2.4049e-01],  
[3.9844e+01, 4.5734e-01, 2.0297e+00],  
[1.0524e+02, 6.7102e-01, 4.2047e+00],  
[1.0820e+01, 1.0309e-02, 6.0043e-01],  
[1.5600e+01, 2.1968e-02, 1.3315e+00],  
[1.2704e+02, 1.5826e+00, 3.2911e+00],  
[1.7871e+01, 6.9458e-02, 1.0969e+00],  
[2.6739e-01, 2.8758e-05, 2.6979e-02],  
[2.6537e-02, 8.3674e-08, 4.1369e-03],  
[3.3627e+01, 2.1821e-01, 1.1337e+00],  
[2.8832e+01, 3.1142e-01, 1.1992e+00],  
[1.2257e+02, 4.7253e-01, 3.8880e+00],  
[7.2561e-01, 1.2657e-04, 8.4795e-02],  
[2.8381e-02, 4.1060e-07, 3.9236e-03],  
[5.1044e-01, 6.7265e-05, 7.6076e-02],  
[1.3912e+01, 2.2205e-02, 4.4301e-01],  
[2.6500e+00, 5.5440e-03, 2.4014e-01],  
[4.8932e+00, 9.9439e-03, 3.5613e-01],  
[5.0716e+01, 2.3219e-01, 2.0141e+00],  
[3.3525e+01, 2.6777e-02, 1.2402e+00],  
[1.9524e+01, 2.3046e-02, 9.9749e-01],  
[7.1054e+00, 2.0260e-02, 3.4456e-01],  
[1.4983e+01, 1.3560e-01, 1.2330e+00],  
[1.9685e+00, 7.1093e-04, 2.3603e-01],  
[9.6664e-02, 5.8350e-06, 1.2200e-02],  
[2.7635e-02, 2.7000e-07, 4.2981e-03],  
[1.9737e-01, 2.8991e-05, 2.2108e-02],  
[3.4065e-02, 2.2592e-07, 5.0066e-03],  
[1.5873e+01, 4.1015e-02, 6.7018e-01],  
[1.0579e+01, 3.2471e-02, 7.0253e-01],  
[1.8720e-01, 2.5438e-05, 2.1267e-02],  
[3.1838e-02, 6.3408e-07, 4.6243e-03],  
[1.3216e+00, 2.0133e-04, 1.1559e-01],  
[1.3176e+00, 3.5928e-04, 1.3331e-01],  
[2.3700e+01, 1.4012e-01, 1.1613e+00],  
[5.7407e+00, 5.5229e-03, 3.8755e-01],  
[1.6164e-01, 2.3012e-05, 2.0191e-02],  
[1.5160e+00, 1.7002e-03, 1.5095e-01],



[1.2338e+02, 3.0378e+00, 3.9806e+00],  
 [3.0361e+02, 1.3737e+01, 4.8144e+00],  
 [3.9369e+00, 4.3880e-03, 2.4047e-01],  
 [1.2600e+01, 5.0665e-02, 5.7511e-01],  
 [3.4907e+01, 6.7133e-02, 1.9843e+00],  
 [5.4288e+00, 5.5702e-04, 2.6339e-01],  
 [8.6245e-02, 1.1403e-06, 1.0231e-02],  
 [4.2554e+01, 4.5817e-01, 2.9645e+00],  
 [3.1421e+00, 1.7295e-03, 1.8419e-01],  
 [4.0621e-01, 1.6653e-05, 5.1460e-02],  
 [4.1736e+00, 3.1369e-03, 2.8457e-01],  
 [2.4714e+02, 1.4364e+01, 4.8288e+00],  
 [9.7261e+00, 4.2985e-02, 9.0902e-01],  
 [1.9477e+01, 1.3327e-01, 1.0451e+00],  
 [4.8953e-02, 6.5812e-07, 6.8361e-03],  
 [1.3932e+00, 2.9754e-04, 1.3845e-01],  
 [1.6191e+01, 1.3932e-01, 1.1383e+00],  
 [3.7681e-01, 3.1081e-05, 4.8122e-02],  
 [1.1308e+01, 1.2141e-02, 6.8433e-01],  
 [5.2219e+00, 3.7775e-03, 4.3429e-01],  
 [6.0377e+01, 5.1343e-01, 1.3449e+00],  
 [3.1595e+01, 2.0923e-01, 1.4530e+00],  
 [2.0549e+01, 1.0273e-01, 8.1770e-01],  
 [5.4306e-01, 1.4919e-04, 4.7654e-02],  
 [3.4149e+01, 1.1495e-01, 1.0440e+00],  
 [1.4331e+00, 6.3540e-04, 1.4659e-01],  
 [1.9708e-02, 3.3846e-07, 3.0129e-03],  
 [1.2415e+02, 8.3610e-01, 4.1999e+00],  
 [1.1231e+00, 6.3794e-04, 9.5056e-02],  
 [5.5076e+01, 4.3940e-01, 1.6351e+00],  
 [4.0799e+00, 8.9076e-04, 3.4009e-01],  
 [3.2322e-02, 6.0981e-07, 4.5783e-03],  
 [2.8933e-01, 3.4837e-06, 2.8809e-02],  
 [4.2903e+01, 7.9994e-02, 1.9058e+00],  
 [2.6723e-02, 3.4294e-07, 3.7638e-03],  
 [2.1608e+01, 8.7402e-02, 9.2788e-01],  
 [1.6274e-01, 1.2329e-06, 1.7018e-02],  
 [3.7192e+01, 1.7977e-02, 1.9206e+00],  
 [2.3780e+01, 1.7199e-01, 9.6334e-01],  
 [4.4343e+01, 6.3309e-02, 1.1759e+00],  
 [1.7074e+01, 2.0120e-02, 8.5422e-01],  
 [1.8998e+00, 1.4701e-04, 1.5564e-01],  
 [8.8460e+00, 1.5770e-02, 6.6639e-01],  
 [7.3203e+01, 1.2044e+00, 1.9482e+00],  
 [2.1736e+01, 1.7338e-01, 1.0624e+00],  
 [1.2769e+01, 1.2791e-02, 5.7805e-01],  
 [3.4348e+01, 1.4596e-01, 9.8897e-01],  
 [3.6173e-04, 3.4706e-11, 5.9142e-05],

[1.3923e+00, 7.8760e-05, 9.1958e-02],  
 [3.1221e+01, 9.9856e-02, 1.4897e+00],  
 [2.9648e-01, 6.4421e-05, 3.0593e-02],  
 [6.1132e+01, 7.9191e-01, 2.4687e+00],  
 [8.8108e+00, 2.1261e-02, 7.9498e-01],  
 [7.8434e+00, 6.5217e-03, 4.2431e-01],  
 [7.5225e+01, 1.3330e+00, 2.7263e+00],  
 [4.4595e+01, 2.2361e-01, 1.7481e+00],  
 [1.0190e+00, 4.8513e-04, 8.4093e-02],  
 [7.8766e+00, 1.9109e-02, 5.1346e-01],  
 [5.6563e-01, 3.0564e-05, 5.7518e-02],  
 [2.4554e-01, 1.6206e-05, 3.1201e-02],  
 [2.2717e+01, 2.4232e-01, 1.4215e+00],  
 [4.6254e-01, 9.4238e-05, 5.5986e-02],  
 [5.8981e+01, 6.2877e-01, 1.6295e+00],  
 [3.6748e-02, 4.8535e-08, 5.1671e-03],  
 [1.8001e+01, 2.6405e-02, 5.8172e-01],  
 [6.1232e+01, 8.3510e-02, 2.2268e+00],  
 [9.4143e+01, 3.9589e-01, 2.8971e+00],  
 [3.4994e+01, 2.5983e-01, 1.0223e+00],  
 [4.4632e+01, 1.3431e-01, 1.1013e+00],  
 [8.8937e+01, 4.3951e-01, 3.8992e+00],  
 [1.4974e-01, 4.5275e-06, 1.9948e-02],  
 [6.7589e+00, 3.3866e-03, 5.4615e-01],  
 [4.7977e+01, 3.4927e-01, 1.9581e+00],  
 [1.2904e+01, 3.6680e-02, 1.0502e+00],  
 [1.8034e+01, 2.6672e-02, 6.7815e-01],  
 [2.2046e+00, 1.0926e-03, 1.5848e-01],  
 [1.7927e+01, 1.0260e-01, 9.0041e-01],  
 [1.3244e-03, 1.1942e-09, 2.1274e-04],  
 [8.2104e-03, 6.7732e-09, 1.2399e-03],  
 [1.7320e-03, 1.9287e-10, 2.7589e-04],  
 [4.7709e-02, 2.0603e-06, 6.2780e-03],  
 [1.3940e+02, 2.0697e+00, 2.7351e+00],  
 [1.4828e+02, 3.4268e+00, 3.2447e+00],  
 [2.4428e-03, 8.7585e-09, 3.8638e-04],  
 [2.9758e+02, 1.2959e+00, 4.7083e+00],  
 [8.5081e+01, 1.1076e+00, 2.4258e+00],  
 [2.2214e-01, 1.6758e-05, 2.1586e-02],  
 [7.0783e-01, 1.7500e-04, 6.4173e-02],  
 [2.1760e-01, 1.8984e-05, 2.5252e-02],  
 [8.5928e-02, 4.9154e-06, 1.0477e-02],  
 [1.4835e+01, 1.2003e-02, 9.6827e-01],  
 [1.7020e+00, 3.6798e-04, 1.2795e-01],  
 [2.9980e+01, 3.7794e-02, 1.1235e+00],  
 [4.8883e+00, 1.3337e-04, 2.6981e-01],  
 [2.2010e+01, 1.3138e-01, 9.1430e-01],  
 [1.3581e+00, 9.8703e-05, 1.2052e-01],

[1.9961e+01, 1.3946e-01, 1.1979e+00],  
[7.5956e-01, 1.2824e-04, 5.6467e-02],  
[3.5463e+00, 2.1333e-03, 2.4528e-01],  
[7.2262e+01, 7.7600e-01, 3.2827e+00],  
[6.4678e+01, 5.8056e-01, 1.4476e+00],  
[8.0516e+01, 9.9397e-01, 2.1012e+00],  
[5.0105e+00, 6.1214e-03, 2.6192e-01],  
[6.7803e-01, 1.8157e-04, 5.5122e-02],  
[5.0471e+00, 2.1984e-03, 2.3305e-01],  
[1.5472e+00, 3.4886e-04, 8.5916e-02],  
[7.4950e-02, 4.0051e-07, 1.0624e-02],  
[6.1039e+00, 4.6024e-03, 4.9124e-01],  
[1.1063e+02, 6.3003e-01, 2.4440e+00],  
[3.6845e-01, 4.1166e-05, 3.0471e-02],  
[4.4305e-01, 7.9561e-05, 4.2191e-02],  
[9.5790e+00, 1.7697e-02, 5.1273e-01],  
[9.3712e-01, 1.3403e-03, 1.2150e-01],  
[4.8696e+01, 5.6964e-01, 2.0479e+00],  
[1.4761e+02, 1.6865e+00, 3.6284e+00],  
[2.2779e-01, 2.5823e-05, 3.0895e-02],  
[1.4178e+01, 9.9879e-03, 6.3984e-01],  
[6.6714e-01, 5.3133e-05, 4.6727e-02],  
[3.7475e+00, 6.7129e-03, 3.4778e-01],  
[8.7658e-01, 9.0224e-05, 7.7100e-02],  
[6.0961e+00, 1.0405e-02, 3.8585e-01],  
[1.0356e+02, 6.6412e-01, 3.6440e+00],  
[1.6715e-01, 1.6203e-05, 1.9910e-02],  
[1.4549e+00, 6.8890e-04, 1.2962e-01],  
[2.5174e+02, 5.9996e+00, 4.0283e+00],  
[2.7815e-01, 8.8135e-06, 3.0697e-02],  
[6.8884e+00, 2.8311e-03, 4.6729e-01],  
[1.2886e+02, 2.0836e+00, 3.0163e+00],  
[3.3629e+00, 1.5244e-03, 3.4064e-01],  
[3.2092e+00, 8.5021e-04, 2.7300e-01],  
[2.2027e+00, 8.5103e-04, 1.6328e-01],  
[1.7565e+01, 1.1286e-02, 1.0916e+00],  
[1.2535e+02, 3.7777e-01, 3.1356e+00],  
[1.1082e+01, 2.4401e-02, 9.0895e-01],  
[9.0689e-04, 9.1723e-11, 1.4772e-04],  
[1.0652e+00, 3.5943e-05, 8.9489e-02],  
[2.3091e+00, 1.2494e-03, 1.7165e-01],  
[2.0275e+00, 1.5398e-03, 1.3479e-01],  
[5.8844e-01, 1.7158e-04, 7.2684e-02],  
[3.4743e-02, 1.0328e-06, 4.6875e-03],  
[3.7343e-01, 3.5098e-05, 3.5480e-02],  
[1.0008e-01, 5.3007e-06, 1.2852e-02],  
[2.9735e+01, 1.9684e-01, 9.1861e-01],  
[2.5416e+00, 1.0849e-03, 1.6447e-01],

```

[6.4941e+00, 1.2288e-02, 3.3170e-01],
[6.4890e+01, 7.4623e-01, 2.8881e+00],
[7.0821e+01, 4.7169e-01, 2.3926e+00],
[2.8227e+01, 1.9738e-01, 7.8885e-01],
[9.2327e+01, 6.9720e-01, 3.1684e+00],
[5.7651e+01, 6.8527e-02, 1.9686e+00],
[2.6080e+00, 1.1341e-03, 1.6093e-01],
[1.2611e-02, 8.9497e-08, 1.9504e-03],
[2.6421e-01, 9.6580e-06, 2.8860e-02],
[1.0238e+01, 4.0895e-02, 6.7457e-01],
[1.2978e+01, 1.1903e-02, 1.1309e+00],
[6.6170e-02, 2.1132e-07, 8.5711e-03],
[2.0321e+01, 4.6143e-02, 1.1483e+00],
[3.7844e-02, 2.0400e-07, 5.1560e-03],
[9.7336e+00, 4.7356e-02, 7.1558e-01],
[7.4906e-01, 3.1793e-05, 8.5109e-02],
[3.4641e-01, 1.0806e-04, 4.0440e-02],
[1.2363e-01, 1.4739e-06, 1.4967e-02],
[1.3310e+02, 4.2088e+00, 3.3308e+00],
[2.0655e+00, 3.3377e-04, 2.2242e-01],
[7.4254e-01, 4.3671e-05, 7.6416e-02],
[2.2730e+00, 1.4762e-03, 1.5857e-01],
[1.5829e+00, 2.1950e-04, 9.7853e-02],
[7.3417e+00, 2.3299e-02, 4.4005e-01],
[1.9642e-01, 1.4567e-05, 2.4599e-02],
[3.2819e-01, 4.9253e-05, 3.9682e-02],
[3.3620e+01, 6.0132e-02, 2.6048e+00],
[3.6621e-02, 9.1530e-07, 5.0340e-03],
[1.1833e+00, 2.2659e-04, 1.1408e-01],
[4.6966e+01, 2.6645e-01, 2.2371e+00],
[2.4645e+01, 2.1978e-02, 1.6818e+00],
[2.8268e+02, 9.6775e+00, 4.8798e+00],
[7.4971e+01, 5.4658e-01, 2.1524e+00],
[3.0037e+00, 1.8457e-03, 2.2093e-01],
[1.0537e+00, 3.8619e-04, 1.2566e-01],
[5.1721e-01, 5.8346e-06, 3.4601e-02]], dtype=torch.float64)
Iteration: 209
Inputs: tensor([[1.2454e+20, 4.6742e+02, 1.4998e+01, 4.3214e+00],
               [8.9543e+20, 3.1385e+02, 1.4939e+01, 2.2435e+00],
               [1.5654e+18, 2.5706e+02, 5.1272e+00, 9.1557e+00],
               ...,
               [2.1036e+18, 4.0816e+02, 1.5672e+01, 2.4095e+00],
               [7.4794e+18, 7.8655e+01, 1.3705e+01, 3.0597e+00],
               [9.3992e+20, 3.8165e+02, 1.8068e+01, 7.7641e+00]]), dtype=torch.float64)
Target: tensor([[4.2407e+01, 2.1111e-01, 1.5043e+00],
               [8.1454e+01, 4.1219e-01, 3.8926e+00],
               [3.5439e-01, 3.9734e-05, 3.2128e-02],
               [1.5526e-02, 3.5575e-07, 2.3114e-03],

```

[3.7878e+01, 1.4465e-01, 1.1001e+00],  
 [1.4899e-01, 3.6826e-06, 1.7852e-02],  
 [2.2058e-01, 9.6572e-07, 2.7813e-02],  
 [9.8566e+01, 8.6101e-01, 2.7647e+00],  
 [9.2392e+01, 2.2590e+00, 2.6344e+00],  
 [3.2383e+01, 9.0991e-02, 1.7759e+00],  
 [1.0697e+02, 1.5101e+00, 3.6460e+00],  
 [1.1154e+00, 1.9881e-04, 7.5680e-02],  
 [9.5376e+00, 4.1601e-02, 8.4686e-01],  
 [1.5485e+00, 1.2124e-03, 1.9565e-01],  
 [1.1665e+02, 1.0359e+00, 2.1998e+00],  
 [1.9922e+01, 1.4398e-02, 1.2887e+00],  
 [2.0940e+00, 6.6629e-04, 1.9269e-01],  
 [1.3784e-03, 4.2454e-10, 2.2377e-04],  
 [5.6603e+01, 2.4677e-01, 2.5037e+00],  
 [1.0931e+01, 7.9348e-03, 1.1197e+00],  
 [1.9156e+01, 1.0384e-02, 7.9953e-01],  
 [1.1141e+02, 1.9980e+00, 2.6559e+00],  
 [9.6543e-01, 1.9757e-04, 8.4555e-02],  
 [1.8520e-01, 4.5696e-06, 2.5240e-02],  
 [2.4856e-01, 2.9810e-05, 2.4509e-02],  
 [1.5316e+02, 4.6381e-01, 2.8552e+00],  
 [5.4171e-01, 1.7423e-04, 6.0378e-02],  
 [1.8343e+01, 1.0623e-01, 7.7047e-01],  
 [9.2942e-01, 3.9105e-04, 7.5251e-02],  
 [6.2919e-03, 5.1210e-08, 9.8415e-04],  
 [5.7529e+00, 1.0449e-02, 3.0672e-01],  
 [7.3024e+01, 2.0163e-01, 2.0926e+00],  
 [1.3388e+01, 3.7840e-02, 7.2140e-01],  
 [3.6948e+01, 3.6286e-01, 1.2523e+00],  
 [4.2229e+01, 4.6533e-02, 1.7946e+00],  
 [5.7825e+01, 3.9532e-01, 1.6039e+00],  
 [1.0379e-01, 1.7084e-06, 1.3236e-02],  
 [6.3490e+01, 8.9153e-01, 1.8434e+00],  
 [2.1223e-01, 1.8816e-05, 2.1293e-02],  
 [6.0250e-01, 1.1127e-04, 4.7079e-02],  
 [8.9204e+01, 6.5324e-01, 2.7599e+00],  
 [1.0325e+01, 2.0942e-02, 4.4719e-01],  
 [1.3779e-02, 1.4982e-07, 2.0715e-03],  
 [2.4581e+00, 9.6526e-04, 1.7397e-01],  
 [1.2436e+00, 6.0518e-04, 1.1120e-01],  
 [3.7876e+00, 1.1987e-03, 1.7676e-01],  
 [5.2667e+01, 4.2236e-01, 1.3773e+00],  
 [1.8087e+00, 5.1810e-04, 1.8240e-01],  
 [6.9916e+00, 3.4741e-02, 7.7196e-01],  
 [3.2069e-01, 5.3840e-05, 3.1769e-02],  
 [1.9257e+01, 4.8061e-02, 9.1169e-01],  
 [1.2277e+02, 4.9913e-01, 2.2728e+00],

[2.4754e+00, 4.8329e-04, 1.8075e-01],  
 [8.6067e+00, 7.2469e-03, 8.1448e-01],  
 [1.7914e+01, 7.0210e-02, 7.1458e-01],  
 [6.4546e+01, 7.1866e-01, 3.1959e+00],  
 [3.5112e+01, 7.7967e-02, 1.8691e+00],  
 [5.1449e+00, 2.2217e-03, 2.1466e-01],  
 [1.0121e+01, 3.6556e-02, 7.9064e-01],  
 [7.0805e-01, 4.4290e-05, 6.3680e-02],  
 [6.2123e+01, 7.0944e-01, 1.7868e+00],  
 [2.4531e+01, 2.5218e-01, 9.7649e-01],  
 [5.7553e+01, 8.9228e-01, 3.1140e+00],  
 [2.5127e+00, 1.7143e-03, 2.7404e-01],  
 [1.9482e+02, 9.4293e-01, 3.7523e+00],  
 [1.2470e-01, 8.3025e-06, 1.3824e-02],  
 [1.0890e-01, 4.7216e-06, 1.6442e-02],  
 [1.2097e+01, 1.7424e-02, 5.8698e-01],  
 [1.3115e+01, 1.0017e-01, 8.1136e-01],  
 [1.6113e+01, 1.7806e-02, 5.3305e-01],  
 [3.2392e-01, 1.6308e-05, 3.5977e-02],  
 [3.7553e+01, 3.6702e-01, 1.4654e+00],  
 [5.5878e+00, 2.4172e-03, 3.2904e-01],  
 [4.1405e+01, 2.2593e-01, 1.0339e+00],  
 [4.6818e-02, 2.3820e-07, 7.1496e-03],  
 [8.8485e-01, 2.7082e-05, 9.5494e-02],  
 [4.2932e+01, 1.5571e-01, 1.4778e+00],  
 [4.2507e+01, 2.4337e-01, 1.9092e+00],  
 [5.5804e+00, 1.9729e-03, 2.5037e-01],  
 [8.2290e+00, 8.7774e-03, 4.4558e-01],  
 [5.7902e-01, 1.5536e-05, 4.6982e-02],  
 [4.1056e+01, 2.0735e-01, 2.2864e+00],  
 [5.2804e-01, 1.3765e-04, 4.3757e-02],  
 [1.8651e+01, 2.5770e-02, 9.9284e-01],  
 [9.7314e+00, 1.6320e-02, 5.5846e-01],  
 [8.5798e+01, 1.5506e+00, 3.4271e+00],  
 [3.6409e-03, 7.3782e-09, 5.8786e-04],  
 [2.1115e+01, 8.9980e-02, 8.0139e-01],  
 [9.4192e+01, 7.8825e-01, 3.3569e+00],  
 [1.5023e-01, 8.4757e-06, 1.7939e-02],  
 [5.1390e+00, 6.4341e-03, 2.6994e-01],  
 [9.4660e+00, 1.4525e-02, 7.3471e-01],  
 [3.1634e-02, 1.8629e-07, 4.5314e-03],  
 [4.4437e+01, 3.9485e-01, 1.4808e+00],  
 [1.2866e-01, 8.7893e-06, 1.4688e-02],  
 [1.0327e+00, 2.3774e-04, 9.5412e-02],  
 [7.3161e-01, 5.7458e-05, 8.7125e-02],  
 [1.8424e+01, 3.7834e-02, 7.1857e-01],  
 [2.5432e+01, 1.1218e-01, 1.2415e+00],  
 [2.2331e-01, 1.5332e-05, 3.1286e-02],

[4.8330e+01, 4.5842e-01, 1.2087e+00],  
 [7.7321e+01, 9.9280e-02, 3.6291e+00],  
 [2.4400e-03, 1.4045e-09, 3.9847e-04],  
 [3.6037e+01, 2.4405e-01, 1.2043e+00],  
 [3.9982e+00, 5.9620e-03, 3.9581e-01],  
 [7.2869e+00, 1.0036e-02, 4.3671e-01],  
 [4.7065e+01, 7.2835e-01, 2.4899e+00],  
 [4.0020e-01, 6.9066e-05, 5.0813e-02],  
 [1.0232e-01, 1.8735e-06, 1.3894e-02],  
 [3.1042e+01, 4.0433e-01, 1.0521e+00],  
 [2.5335e+01, 4.4941e-02, 7.2097e-01],  
 [3.5921e+00, 4.0150e-03, 2.2349e-01],  
 [9.5990e-01, 8.4791e-04, 1.1542e-01],  
 [1.8214e+01, 6.4145e-02, 7.2179e-01],  
 [4.8946e+01, 6.4034e-01, 2.3003e+00],  
 [9.1849e-01, 1.1343e-04, 5.5314e-02],  
 [2.4421e+01, 1.6009e-02, 1.0550e+00],  
 [2.9103e+01, 3.3503e-01, 1.3665e+00],  
 [9.7206e-01, 3.4418e-04, 9.4483e-02],  
 [1.9351e+00, 8.2582e-04, 1.2506e-01],  
 [2.0222e+01, 4.7103e-02, 1.1590e+00],  
 [2.7735e+01, 1.7159e-01, 2.1302e+00],  
 [1.2360e+02, 1.4335e+00, 2.7003e+00],  
 [1.0492e-01, 5.3280e-06, 1.4051e-02],  
 [6.5695e-01, 2.4884e-04, 6.9611e-02],  
 [4.1694e+00, 1.4715e-03, 1.7346e-01],  
 [2.4860e+00, 1.8643e-03, 2.0990e-01],  
 [3.6789e+01, 1.7865e-01, 9.0909e-01],  
 [2.1012e-01, 2.5235e-05, 2.6168e-02],  
 [6.6499e+01, 2.5638e-01, 1.7787e+00],  
 [7.6005e+01, 3.1380e-01, 3.0138e+00],  
 [5.1664e-02, 1.2629e-06, 6.6840e-03],  
 [1.6179e+00, 2.2559e-04, 7.8338e-02],  
 [3.6170e-01, 2.0810e-05, 4.0372e-02],  
 [1.7502e+02, 2.7771e+00, 4.2533e+00],  
 [4.8932e+01, 3.2221e-01, 1.5022e+00],  
 [9.2624e-03, 5.4906e-08, 1.4420e-03],  
 [1.0866e+01, 3.5558e-02, 7.5776e-01],  
 [1.7427e+00, 6.6050e-04, 1.1175e-01],  
 [2.2035e+00, 1.7278e-03, 2.2883e-01],  
 [8.9696e-01, 2.0604e-04, 7.2587e-02],  
 [1.0576e+02, 4.4041e-01, 2.6161e+00],  
 [4.1669e+01, 5.5752e-01, 2.3400e+00],  
 [8.7681e+01, 6.0639e-01, 2.4087e+00],  
 [9.1697e-02, 3.2125e-06, 1.2502e-02],  
 [2.7809e-01, 4.1193e-05, 3.2214e-02],  
 [1.6710e+00, 1.1422e-03, 1.7608e-01],  
 [1.4884e+00, 6.7873e-04, 1.1761e-01],

[3.6832e+00, 4.4575e-03, 2.7134e-01],  
 [1.9462e+01, 5.1160e-02, 8.9060e-01],  
 [3.1577e-02, 1.7960e-07, 4.4283e-03],  
 [1.2217e+02, 2.2864e+00, 3.5345e+00],  
 [1.4542e+01, 9.5925e-02, 9.6811e-01],  
 [6.5954e+00, 1.1314e-02, 3.6299e-01],  
 [5.0254e+01, 5.2551e-01, 2.0633e+00],  
 [8.9763e-01, 4.0385e-04, 9.4732e-02],  
 [4.6235e+01, 1.9702e-01, 2.3803e+00],  
 [4.7297e+01, 7.9078e-01, 2.0673e+00],  
 [2.5891e-02, 2.0454e-07, 3.8395e-03],  
 [1.6812e+00, 2.3015e-04, 1.4335e-01],  
 [3.9492e-01, 9.3144e-06, 3.4026e-02],  
 [5.8890e+00, 1.7902e-03, 5.0057e-01],  
 [2.6854e+02, 1.9947e-01, 4.4430e+00],  
 [2.5702e-01, 1.2253e-04, 3.5646e-02],  
 [2.1313e+02, 3.2842e+00, 4.7533e+00],  
 [3.5211e-02, 5.8311e-07, 5.2513e-03],  
 [1.4746e+01, 2.2083e-02, 6.8084e-01],  
 [1.1246e+00, 4.5987e-05, 1.1294e-01],  
 [8.0891e+00, 1.3081e-02, 7.8591e-01],  
 [3.6576e+01, 5.9765e-02, 1.2939e+00],  
 [2.0370e-02, 7.4451e-07, 3.1422e-03],  
 [1.4618e+02, 2.9567e+00, 3.1190e+00],  
 [5.7409e+01, 4.5498e-01, 1.3440e+00],  
 [4.8149e+00, 2.6884e-03, 3.6566e-01],  
 [5.6731e+01, 4.1566e-01, 1.3394e+00],  
 [1.0507e+02, 3.1498e-01, 3.4601e+00],  
 [7.2603e+01, 8.2749e-01, 3.2483e+00],  
 [7.8726e+00, 8.1990e-03, 3.9315e-01],  
 [5.0327e+01, 3.6398e-01, 2.1890e+00],  
 [2.0370e+00, 6.8684e-04, 2.5665e-01],  
 [1.7952e+02, 6.0677e-01, 4.6461e+00],  
 [3.0505e+01, 9.1712e-02, 1.6499e+00],  
 [6.0385e+00, 7.0515e-03, 4.0151e-01],  
 [4.0715e-04, 3.0191e-11, 6.6578e-05],  
 [6.3477e+01, 2.1556e-01, 2.2514e+00],  
 [2.3232e-01, 1.6474e-05, 2.5993e-02],  
 [3.1026e+01, 3.2898e-01, 1.0184e+00],  
 [2.5565e+02, 3.0632e+00, 4.2970e+00],  
 [2.6730e+00, 1.0281e-03, 2.9642e-01],  
 [2.3001e+02, 2.7602e+00, 4.9372e+00],  
 [3.6602e+01, 4.0087e-01, 1.0104e+00],  
 [1.7183e+01, 2.9373e-02, 7.4588e-01],  
 [6.1599e+00, 1.1546e-03, 5.8350e-01],  
 [2.7640e+01, 1.2663e-01, 1.7255e+00],  
 [1.0323e+01, 4.9690e-02, 1.0327e+00],  
 [1.2778e-01, 9.4019e-06, 1.5740e-02],



[1.6434e-03, 3.8006e-10, 2.6617e-04],  
 [3.4789e+00, 1.7566e-03, 2.1458e-01],  
 [1.1023e-01, 2.3104e-06, 1.5620e-02],  
 [1.4350e+01, 3.7621e-02, 1.0112e+00],  
 [3.4963e-01, 4.2740e-05, 3.5805e-02],  
 [2.2492e+01, 6.3164e-03, 6.6485e-01],  
 [1.9550e+01, 1.1759e-02, 1.5555e+00],  
 [6.6198e+01, 1.7824e-01, 3.3147e+00],  
 [8.9185e+01, 8.2943e-01, 2.5474e+00],  
 [7.4824e+01, 1.1848e+00, 3.5678e+00],  
 [2.6279e+01, 9.1193e-02, 1.4341e+00],  
 [3.9797e-02, 1.2476e-06, 5.6734e-03],  
 [2.1228e+01, 4.2744e-02, 1.1765e+00],  
 [1.4453e+00, 9.9545e-05, 1.3549e-01],  
 [1.3430e+00, 3.3456e-04, 1.6884e-01],  
 [5.4339e-02, 1.3084e-06, 7.2687e-03],  
 [3.3128e+00, 8.5827e-04, 1.9060e-01],  
 [1.6793e+02, 5.0835e-01, 3.3255e+00],  
 [1.1748e+01, 5.2978e-02, 5.3458e-01],  
 [3.8823e+01, 4.1225e-01, 1.7770e+00],  
 [4.6076e-01, 1.3534e-04, 5.9498e-02],  
 [4.7457e-02, 5.2664e-07, 6.8620e-03],  
 [1.0051e+02, 1.2095e+00, 3.9023e+00],  
 [3.5146e-01, 3.9766e-05, 3.8714e-02],  
 [8.2004e+00, 2.5380e-02, 6.3000e-01],  
 [9.8984e-01, 4.2355e-04, 8.5314e-02],  
 [5.8295e-01, 9.8578e-05, 6.3207e-02],  
 [2.9867e+02, 6.0412e+00, 4.6293e+00],  
 [1.6577e+00, 2.9369e-04, 1.5850e-01],  
 [1.8621e+01, 6.7880e-02, 1.0722e+00],  
 [8.3640e+00, 1.3002e-02, 3.3732e-01],  
 [3.1176e+01, 3.5091e-02, 1.3248e+00],  
 [3.4207e+00, 6.4282e-04, 1.4063e-01],  
 [1.1502e+00, 1.7798e-04, 7.4775e-02],  
 [1.3735e+00, 6.1117e-04, 1.2210e-01],  
 [8.2660e+01, 3.1505e-01, 2.6650e+00],  
 [1.1822e-02, 5.8687e-08, 1.7506e-03],  
 [5.1894e-02, 3.1137e-07, 7.5584e-03],  
 [1.3177e+02, 1.0818e+00, 3.2860e+00],  
 [8.3742e+01, 5.3328e-02, 2.5124e+00],  
 [8.0416e+01, 4.1374e-01, 2.3757e+00],  
 [1.6000e+01, 2.6031e-02, 5.0138e-01],  
 [4.7961e+00, 1.1338e-03, 2.0253e-01],  
 [3.7054e-01, 1.5755e-05, 3.5891e-02],  
 [1.4487e+00, 6.3878e-04, 2.0126e-01],  
 [1.3611e-01, 7.7152e-06, 1.4948e-02],  
 [3.9028e+00, 1.2468e-03, 2.2680e-01],  
 [2.4610e+00, 4.4850e-04, 2.0746e-01],

[8.6058e-02, 9.7925e-07, 1.2149e-02],  
[1.9998e+02, 1.0271e+00, 4.4927e+00],  
[1.2445e+01, 2.4143e-02, 4.9047e-01],  
[5.9163e+01, 6.3127e-01, 2.9667e+00],  
[1.1510e-01, 2.3224e-06, 1.4412e-02],  
[6.7553e+01, 1.0694e-01, 1.7817e+00],  
[1.0409e+02, 7.9260e-01, 2.7302e+00],  
[2.8344e+02, 6.9304e+00, 4.0263e+00],  
[1.4567e-02, 8.0931e-08, 2.1574e-03],  
[2.6767e-01, 1.2683e-05, 2.6223e-02],  
[1.3834e+00, 5.4724e-04, 1.2911e-01],  
[1.4145e-01, 4.1627e-06, 1.8167e-02],  
[1.3713e+01, 6.0794e-02, 1.1659e+00],  
[1.2621e+02, 2.4540e-01, 3.5047e+00],  
[1.5901e-01, 8.9421e-06, 2.4383e-02],  
[1.2071e+01, 1.7192e-02, 8.3293e-01],  
[2.8355e-01, 6.8675e-05, 3.3001e-02],  
[1.1160e+01, 1.1582e-02, 6.7821e-01],  
[5.9892e-02, 1.7970e-06, 7.9172e-03],  
[7.2182e+01, 1.4982e+00, 2.7824e+00],  
[1.1055e+00, 1.5123e-04, 1.2706e-01],  
[5.8860e+00, 2.4818e-03, 3.0625e-01],  
[9.8388e+00, 3.3910e-02, 9.9625e-01],  
[7.7073e+01, 3.1502e-01, 2.1994e+00],  
[4.8700e+00, 2.1261e-03, 3.9104e-01],  
[7.7699e+00, 3.2803e-03, 4.4654e-01],  
[6.9293e+01, 1.2622e-01, 3.0004e+00],  
[1.5405e-01, 4.3651e-06, 1.9817e-02],  
[3.7925e+01, 4.9745e-02, 1.2556e+00],  
[4.0754e+00, 2.7185e-03, 2.4334e-01],  
[1.9186e+00, 1.2094e-03, 2.3614e-01],  
[5.2329e+00, 4.8861e-03, 6.3054e-01],  
[5.0647e+01, 1.0009e-01, 1.4122e+00],  
[5.2315e-02, 3.2976e-06, 7.4645e-03],  
[9.0268e+00, 1.1477e-02, 4.2955e-01],  
[3.7637e-01, 3.6607e-05, 4.9466e-02],  
[2.9665e+02, 3.1732e+00, 4.4984e+00],  
[1.0444e-03, 3.4767e-10, 1.7102e-04],  
[7.7118e+01, 2.5867e-02, 1.6513e+00],  
[5.6127e+01, 6.4175e-01, 1.4615e+00],  
[5.0811e-01, 3.9521e-05, 4.2767e-02],  
[9.7440e+01, 3.9828e-01, 2.4383e+00],  
[3.0582e-02, 1.0430e-07, 4.4366e-03],  
[2.6402e+01, 2.8034e-01, 1.5751e+00],  
[1.5458e-03, 3.6012e-09, 2.4788e-04],  
[8.5675e+00, 2.2509e-02, 5.7051e-01],  
[7.3599e+01, 3.0946e-01, 1.7082e+00],  
[1.1637e+01, 1.8711e-02, 8.8088e-01],

```

[1.2947e+02, 4.5317e-01, 4.1880e+00],
[5.1156e+01, 5.5437e-01, 1.6968e+00],
[4.8051e+00, 7.9791e-03, 3.3430e-01],
[1.1213e+01, 4.2395e-02, 6.7973e-01],
[2.2398e+00, 1.5509e-03, 1.4863e-01],
[1.4842e+01, 2.5382e-02, 1.1650e+00],
[2.1268e-02, 5.3832e-07, 3.2914e-03],
[3.6528e+01, 1.0138e-01, 1.6016e+00],
[4.2645e+01, 1.1875e-01, 2.0387e+00],
[1.6846e-02, 1.5260e-08, 2.5187e-03],
[6.6335e+00, 2.3647e-02, 4.5899e-01],
[5.0985e+01, 1.2207e-01, 1.3563e+00],
[2.0539e+00, 1.7892e-03, 2.4895e-01],
[5.9883e-02, 1.2005e-06, 7.6151e-03],
[3.0260e-02, 8.1328e-07, 4.2799e-03],
[4.8160e+01, 7.2390e-02, 1.8724e+00],
[1.0750e+01, 2.9359e-02, 6.6888e-01],
[6.5123e+01, 8.7908e-01, 2.3351e+00],
[5.7390e-01, 6.1509e-05, 7.0043e-02],
[2.2479e+02, 1.4487e+01, 5.0217e+00],
[1.1894e+02, 6.5307e-02, 2.5582e+00],
[1.0918e-01, 1.2090e-06, 1.4788e-02],
[9.2717e+01, 9.7563e-01, 3.5977e+00],
[1.1103e+01, 3.4393e-02, 7.2820e-01],
[8.9584e-01, 2.9262e-04, 1.0247e-01],
[9.1818e-02, 1.6490e-06, 1.1874e-02],
[6.1005e-02, 1.2969e-06, 9.0159e-03],
[1.8824e+02, 7.8161e+00, 4.8154e+00]], dtype=torch.float64)
Iteration: 210
Inputs: tensor([[1.8763e+20, 9.2410e+01, 9.0581e+00, 6.0899e+00],
                [2.0148e+20, 1.0069e+02, 2.5276e+00, 6.6372e+00],
                [4.6765e+18, 4.6379e+02, 5.8013e+00, 7.6824e+00],
                ...,
                [1.6042e+18, 4.0550e+02, 8.0497e+00, 9.0877e+00],
                [7.5114e+19, 3.0018e+02, 6.4650e-01, 9.3484e+00],
                [4.5411e+19, 2.7231e+02, 8.5614e-01, 3.0659e+00]]), dtype=torch.float64)
Target: tensor([[2.1209e+01, 9.7378e-02, 1.3654e+00],
                [4.3543e+01, 1.8545e-01, 1.8481e+00],
                [2.9344e+00, 1.1247e-03, 1.5068e-01],
                [3.2429e+00, 9.9109e-04, 2.3744e-01],
                [4.2376e-01, 1.4215e-05, 4.9315e-02],
                [1.8927e+02, 3.1616e+00, 3.0286e+00],
                [3.2825e+00, 3.7277e-04, 2.3717e-01],
                [1.2263e-03, 5.4837e-10, 1.9691e-04],
                [8.8319e+01, 1.7169e+00, 2.3184e+00],
                [4.4793e-01, 5.5419e-05, 4.5784e-02],
                [4.1490e+01, 6.8482e-02, 1.6395e+00],
                [1.1581e+01, 3.5820e-02, 6.7746e-01],

```

[5.8007e+01, 2.2835e-01, 3.3669e+00],  
 [1.6673e+00, 3.5352e-03, 1.9436e-01],  
 [4.4097e+01, 6.8061e-01, 2.0010e+00],  
 [3.0693e-01, 8.8173e-06, 3.6304e-02],  
 [1.2506e+00, 1.0149e-03, 1.3585e-01],  
 [2.6883e+01, 2.7332e-01, 1.8215e+00],  
 [5.9589e+01, 5.6171e-01, 2.7989e+00],  
 [4.5859e+01, 7.6684e-01, 1.8825e+00],  
 [3.2141e-01, 5.7552e-06, 3.1412e-02],  
 [1.7704e+00, 3.2880e-04, 1.4751e-01],  
 [1.1500e+01, 1.7217e-02, 5.2012e-01],  
 [7.8684e-01, 2.6628e-04, 1.0389e-01],  
 [1.3265e-01, 1.2814e-05, 1.7165e-02],  
 [3.2852e+01, 7.1309e-02, 9.3901e-01],  
 [1.3164e+02, 3.7081e+00, 4.2052e+00],  
 [1.2329e+01, 7.5078e-03, 5.5487e-01],  
 [1.9626e+00, 4.6646e-04, 1.5409e-01],  
 [2.5653e-01, 3.3807e-05, 3.2461e-02],  
 [1.1209e+02, 1.5461e-01, 2.5206e+00],  
 [1.7992e+02, 1.0169e+00, 3.6225e+00],  
 [1.4951e-01, 2.0229e-05, 2.0258e-02],  
 [5.1615e+00, 4.2999e-03, 2.2475e-01],  
 [1.4291e+01, 2.6627e-02, 1.2094e+00],  
 [1.1600e-01, 2.9684e-06, 1.5690e-02],  
 [1.7776e+00, 8.8400e-04, 1.5585e-01],  
 [9.9290e+01, 4.9422e-01, 2.6279e+00],  
 [4.3495e+01, 1.9513e-01, 2.5400e+00],  
 [7.7718e-01, 4.1495e-05, 7.7381e-02],  
 [3.2523e+00, 8.0116e-03, 4.0885e-01],  
 [3.1306e-01, 7.4743e-06, 4.5111e-02],  
 [3.4557e-02, 2.6058e-07, 5.0571e-03],  
 [3.5264e-01, 2.9737e-05, 4.3347e-02],  
 [9.3100e-02, 3.0107e-06, 1.0919e-02],  
 [8.2937e+01, 6.6513e-01, 2.1219e+00],  
 [1.0793e+01, 1.7940e-02, 6.4561e-01],  
 [8.8892e-01, 3.5482e-04, 8.0270e-02],  
 [2.6942e-02, 6.8232e-07, 3.8026e-03],  
 [2.9075e+01, 5.1464e-02, 9.6972e-01],  
 [2.8181e-01, 5.4115e-05, 3.7139e-02],  
 [1.2997e+02, 9.7741e-01, 3.7580e+00],  
 [9.5178e-02, 8.4867e-06, 1.3684e-02],  
 [1.7681e+01, 1.7342e-02, 7.2210e-01],  
 [8.4055e+01, 6.9523e-01, 1.9077e+00],  
 [1.9127e-01, 6.9371e-06, 2.2661e-02],  
 [1.3348e-01, 8.5445e-06, 1.6999e-02],  
 [2.5064e+01, 1.4601e-01, 1.1549e+00],  
 [1.2042e-02, 6.0611e-08, 1.8861e-03],  
 [6.8975e-01, 7.1235e-05, 6.5321e-02],

[5.0471e+00, 8.4328e-04, 2.6283e-01],  
[1.5502e+01, 7.0669e-02, 6.6396e-01],  
[2.5441e+01, 3.7873e-02, 8.7599e-01],  
[1.4670e+01, 3.4197e-02, 8.0750e-01],  
[3.6394e+00, 4.0859e-05, 1.8197e-01],  
[1.1697e+00, 6.0120e-04, 9.6888e-02],  
[2.1831e+02, 4.1848e+00, 4.7608e+00],  
[1.5166e+01, 2.4958e-02, 4.7247e-01],  
[1.0303e+01, 1.6313e-02, 5.4226e-01],  
[5.5483e-01, 4.6609e-04, 7.5190e-02],  
[4.9579e+01, 7.1145e-02, 1.5041e+00],  
[1.4829e+01, 1.1676e-02, 6.4176e-01],  
[2.0749e+01, 6.4585e-02, 1.8600e+00],  
[1.9292e-02, 1.8811e-07, 2.7723e-03],  
[2.4411e+00, 1.2942e-03, 1.6845e-01],  
[2.4482e+00, 9.1225e-04, 2.5937e-01],  
[1.5094e+00, 1.3808e-04, 1.7093e-01],  
[4.6981e-01, 9.4461e-05, 4.3749e-02],  
[1.1968e-02, 4.3740e-08, 1.8250e-03],  
[2.0063e+01, 1.3152e-01, 1.1024e+00],  
[1.0366e-01, 4.4362e-06, 1.5247e-02],  
[6.7391e+00, 1.3415e-02, 3.2139e-01],  
[3.7626e+01, 2.3953e-01, 1.0721e+00],  
[2.6785e-01, 3.3708e-05, 2.3803e-02],  
[7.6353e-01, 2.0239e-04, 6.6209e-02],  
[3.5468e-02, 1.2987e-06, 5.3701e-03],  
[5.1919e+00, 2.5011e-03, 5.8079e-01],  
[1.6291e+02, 5.4467e-01, 3.6280e+00],  
[2.0501e+02, 2.6864e-01, 4.4548e+00],  
[9.5351e+01, 2.5777e+00, 3.1068e+00],  
[5.7291e-02, 4.3246e-06, 8.2839e-03],  
[1.0361e+02, 2.0219e+00, 4.3122e+00],  
[1.4252e+02, 8.1912e-01, 3.7875e+00],  
[1.4348e+01, 6.3589e-02, 6.5455e-01],  
[4.1497e+01, 6.4437e-01, 2.4644e+00],  
[2.1901e+00, 6.2476e-04, 1.5374e-01],  
[4.4749e+01, 1.7858e-01, 2.6689e+00],  
[1.2415e-01, 2.4691e-05, 1.8091e-02],  
[1.5155e+00, 6.8625e-05, 1.2818e-01],  
[7.0456e+00, 5.0529e-03, 4.4567e-01],  
[1.5729e+01, 8.7063e-03, 7.2545e-01],  
[2.3965e-01, 6.6712e-06, 3.2058e-02],  
[2.6661e+01, 9.4844e-03, 1.0060e+00],  
[1.0529e+02, 1.5198e+00, 3.3012e+00],  
[4.8153e+01, 4.2244e-01, 1.6110e+00],  
[6.6884e+01, 5.0587e-01, 2.5439e+00],  
[5.0810e+00, 1.4801e-02, 4.0677e-01],  
[2.7921e-03, 8.1725e-09, 4.4082e-04],

[1.0597e+02, 3.5309e+00, 3.9798e+00],  
 [4.3149e-01, 5.4684e-05, 4.4125e-02],  
 [3.7284e-01, 3.0139e-05, 5.0479e-02],  
 [4.2118e+01, 1.9363e-01, 2.6108e+00],  
 [5.2391e-01, 9.5167e-05, 5.1092e-02],  
 [5.4215e+00, 1.0532e-03, 2.4508e-01],  
 [1.1226e+00, 2.4087e-04, 1.2590e-01],  
 [2.2929e+00, 1.1764e-03, 1.2976e-01],  
 [3.1100e+01, 1.5266e-01, 1.2459e+00],  
 [3.5277e+00, 1.5678e-03, 2.0114e-01],  
 [3.0488e-01, 1.1159e-05, 2.9190e-02],  
 [9.7582e-01, 5.2348e-05, 1.0751e-01],  
 [1.9795e+01, 1.6867e-02, 6.1949e-01],  
 [4.5147e+01, 2.3110e-01, 1.2503e+00],  
 [7.3623e+01, 6.0904e-01, 3.4821e+00],  
 [6.6911e+01, 6.8577e-01, 1.7370e+00],  
 [2.5009e+00, 2.5725e-04, 1.7885e-01],  
 [5.5497e+00, 1.3021e-02, 5.6050e-01],  
 [3.8082e+01, 1.4225e-02, 1.9641e+00],  
 [5.1298e-02, 1.6195e-07, 6.7689e-03],  
 [5.2446e+01, 5.2917e-01, 1.1934e+00],  
 [2.9500e+01, 2.3149e-01, 1.3138e+00],  
 [8.1893e+01, 1.0036e+00, 2.2766e+00],  
 [2.0859e+01, 3.8566e-02, 9.1232e-01],  
 [1.3973e+02, 2.1188e+00, 3.0033e+00],  
 [5.8364e-02, 2.2595e-06, 7.4594e-03],  
 [7.0818e+00, 4.9533e-03, 4.4962e-01],  
 [2.1553e+01, 4.9793e-02, 1.0291e+00],  
 [2.9181e+00, 7.7445e-04, 3.2898e-01],  
 [6.2902e-02, 3.0723e-07, 8.6873e-03],  
 [1.3440e+01, 1.0336e-01, 1.0013e+00],  
 [2.7398e+01, 1.8348e-01, 1.0259e+00],  
 [2.3163e+01, 7.6410e-02, 7.8671e-01],  
 [2.2169e+01, 1.2736e-02, 6.6550e-01],  
 [6.0942e+01, 7.3436e-01, 1.5941e+00],  
 [1.9815e+01, 4.3557e-02, 1.7047e+00],  
 [3.8039e+01, 1.7658e-01, 1.7727e+00],  
 [3.5709e+01, 2.8096e-02, 1.8906e+00],  
 [1.6210e+01, 1.4259e-02, 1.0066e+00],  
 [3.8943e+01, 2.7841e-01, 1.2772e+00],  
 [2.8753e-01, 1.0594e-05, 2.7319e-02],  
 [2.8779e+00, 1.4502e-03, 2.7970e-01],  
 [8.9413e+00, 1.1555e-02, 4.9691e-01],  
 [1.9173e+01, 9.3142e-02, 1.3127e+00],  
 [5.5840e-02, 3.8878e-06, 8.0056e-03],  
 [9.6430e-01, 3.7552e-04, 8.3994e-02],  
 [2.5646e-01, 1.7485e-05, 2.7969e-02],  
 [1.2665e+01, 6.2344e-02, 9.7361e-01],

[2.9007e+01, 1.1109e-01, 9.1442e-01],  
[1.8813e+01, 7.0833e-02, 6.4735e-01],  
[1.4002e+01, 4.4190e-03, 9.4557e-01],  
[4.2234e+01, 2.5259e-01, 1.6370e+00],  
[6.3191e+01, 4.7881e-01, 2.5768e+00],  
[1.2391e+00, 3.3436e-04, 8.7694e-02],  
[2.9038e+00, 4.2951e-03, 2.5292e-01],  
[1.2848e-01, 5.2609e-06, 1.8511e-02],  
[3.7302e+01, 1.3153e-01, 1.7335e+00],  
[2.5517e+01, 1.2638e-01, 8.6669e-01],  
[1.6457e+00, 9.6268e-05, 1.5821e-01],  
[6.2006e+00, 7.0530e-03, 4.9248e-01],  
[3.0210e-01, 1.0936e-05, 3.1426e-02],  
[9.7059e-03, 1.2501e-07, 1.4759e-03],  
[1.8406e+00, 5.1329e-04, 1.0347e-01],  
[7.0097e+00, 2.5008e-03, 2.7297e-01],  
[1.8138e+00, 4.8955e-04, 1.2483e-01],  
[1.3430e+02, 2.1556e+00, 4.2660e+00],  
[1.2093e+02, 3.4507e+00, 3.2939e+00],  
[7.6994e+01, 5.1372e-01, 1.6415e+00],  
[3.9943e-01, 1.7570e-05, 4.9135e-02],  
[1.0841e+00, 4.0195e-04, 1.1330e-01],  
[7.7218e+01, 1.0736e+00, 2.2783e+00],  
[1.9516e+01, 3.0923e-02, 1.1699e+00],  
[1.4892e+00, 9.3666e-04, 1.7239e-01],  
[3.3375e+01, 1.0886e-01, 1.0931e+00],  
[1.1652e+00, 2.3098e-04, 8.6394e-02],  
[5.4208e+01, 3.5666e-01, 1.9628e+00],  
[1.8504e+02, 4.6329e+00, 4.3485e+00],  
[1.7867e+01, 1.0262e-02, 6.7400e-01],  
[5.8570e+01, 1.2291e+00, 2.0677e+00],  
[5.0226e+01, 5.3627e-01, 1.5458e+00],  
[3.5160e+01, 6.6200e-02, 2.3565e+00],  
[3.2519e+00, 7.4015e-04, 2.7772e-01],  
[7.3443e-01, 2.0650e-04, 5.7478e-02],  
[5.1236e+01, 2.3805e-01, 2.0360e+00],  
[1.5265e-01, 1.4872e-05, 2.1239e-02],  
[2.0036e+02, 4.1022e+00, 4.6093e+00],  
[1.5431e+00, 2.3632e-04, 1.4217e-01],  
[4.1139e-03, 3.0085e-08, 6.4988e-04],  
[1.8233e-01, 3.2730e-05, 2.5805e-02],  
[1.6169e+01, 5.0884e-02, 1.1902e+00],  
[1.9033e+01, 6.7205e-02, 7.2693e-01],  
[3.3298e+01, 3.3875e-01, 1.5623e+00],  
[2.1250e-01, 2.1427e-06, 2.0954e-02],  
[4.5782e+00, 1.4732e-02, 4.0673e-01],  
[1.1291e+02, 2.7539e+00, 2.9316e+00],  
[3.0563e+02, 8.2639e+00, 4.4210e+00],

[9.8679e+01, 1.3029e+00, 1.7630e+00],  
[1.6694e+01, 1.1867e-02, 7.4470e-01],  
[6.0170e+01, 1.3717e-01, 2.9720e+00],  
[5.8750e+01, 2.2765e-01, 1.1367e+00],  
[7.6487e+01, 3.4650e-01, 2.9545e+00],  
[1.1625e+01, 7.3162e-03, 6.4904e-01],  
[7.3277e+01, 7.4928e-01, 1.6745e+00],  
[1.4553e+02, 3.3585e+00, 4.1306e+00],  
[2.9139e-01, 2.0964e-05, 3.5327e-02],  
[5.5228e+01, 1.0088e+00, 2.1854e+00],  
[3.1746e+01, 5.1411e-02, 8.1319e-01],  
[2.2953e+00, 4.1750e-03, 1.9905e-01],  
[3.8619e+01, 1.2476e-01, 9.0917e-01],  
[5.2495e+00, 8.9298e-03, 3.8131e-01],  
[2.1202e+02, 3.0882e+00, 3.7535e+00],  
[8.0057e-01, 1.1033e-05, 7.7907e-02],  
[8.8421e+01, 6.1280e-01, 3.0580e+00],  
[2.9014e+01, 1.6866e-01, 1.3629e+00],  
[2.0543e+02, 9.9861e-01, 3.3470e+00],  
[1.2750e-01, 6.9363e-06, 1.5111e-02],  
[4.3290e-04, 1.6042e-11, 7.0743e-05],  
[8.1402e-02, 1.2431e-06, 1.0038e-02],  
[1.4706e+02, 4.1712e+00, 3.6804e+00],  
[8.0578e+01, 2.0892e+00, 2.4076e+00],  
[2.2022e+02, 9.3062e+00, 5.0213e+00],  
[5.9127e+01, 3.4870e-01, 2.1981e+00],  
[6.1290e+00, 4.4766e-02, 6.2769e-01],  
[1.3035e+02, 3.2616e+00, 4.2561e+00],  
[1.1116e+01, 3.7787e-02, 8.0119e-01],  
[2.6590e+02, 1.2865e+01, 4.7361e+00],  
[4.6403e+00, 4.8888e-03, 2.5141e-01],  
[4.6073e-01, 5.4660e-05, 5.7257e-02],  
[7.6372e+00, 8.2435e-03, 7.3897e-01],  
[2.4944e+00, 8.1525e-04, 1.1365e-01],  
[4.9969e+01, 5.0957e-01, 1.5859e+00],  
[6.5098e+01, 4.7689e-01, 2.3708e+00],  
[8.3980e-01, 1.0078e-04, 6.4725e-02],  
[5.7313e+01, 1.0900e+00, 1.7771e+00],  
[5.2864e+00, 1.7265e-03, 2.8847e-01],  
[1.7501e+01, 2.2144e-02, 1.6001e+00],  
[8.7955e-02, 5.9754e-06, 1.0396e-02],  
[6.1894e+01, 1.8531e-01, 1.3959e+00],  
[5.7692e-03, 4.0175e-09, 8.8725e-04],  
[1.9896e+00, 3.1114e-03, 2.4588e-01],  
[4.2445e-01, 5.6056e-06, 4.8650e-02],  
[1.2409e+02, 5.3378e-01, 4.1137e+00],  
[7.9514e-02, 8.8738e-07, 9.7051e-03],  
[1.2551e+02, 1.1837e+00, 4.5010e+00],



[4.1547e+00, 3.3707e-03, 4.2829e-01],  
[4.7276e-03, 1.1083e-08, 7.3895e-04],  
[2.3250e+02, 5.8429e+00, 4.6952e+00],  
[2.2039e+01, 1.9019e-01, 1.3609e+00],  
[7.6999e+01, 3.0663e-01, 1.8137e+00],  
[5.2339e+01, 1.8451e-01, 3.1476e+00],  
[4.6134e+00, 3.1853e-03, 3.7168e-01],  
[5.1895e+01, 2.2040e-01, 1.6174e+00],  
[5.6593e+01, 4.0652e-01, 2.1603e+00],  
[3.5596e+00, 1.0675e-03, 1.5409e-01],  
[6.0280e-02, 2.1124e-06, 7.5760e-03],  
[6.2056e+00, 1.1831e-02, 4.4370e-01],  
[2.3681e+00, 8.2111e-04, 1.7399e-01],  
[2.1447e+00, 2.4490e-03, 1.8523e-01],  
[1.8745e+00, 2.5951e-04, 1.1797e-01],  
[3.2648e+00, 2.4879e-03, 1.8847e-01],  
[9.4838e-03, 1.2435e-07, 1.4335e-03],  
[3.2245e+01, 7.6235e-03, 9.1135e-01],  
[9.3792e-01, 2.7961e-04, 7.3583e-02],  
[5.0459e+00, 5.3503e-03, 2.7288e-01],  
[1.0480e-02, 8.3469e-08, 1.6304e-03],  
[8.5495e+01, 1.3915e-01, 2.0589e+00],  
[1.5431e+01, 2.3542e-02, 8.8059e-01],  
[2.0194e+00, 1.1819e-03, 2.1237e-01],  
[5.2174e+01, 3.8676e-01, 1.3253e+00],  
[1.3332e+01, 6.3672e-02, 1.1795e+00],  
[1.5277e+02, 3.6807e+00, 4.0865e+00],  
[3.6167e+01, 2.0182e-01, 1.4052e+00],  
[1.4139e+00, 2.1978e-05, 1.3496e-01],  
[1.0694e+01, 7.1767e-02, 8.7587e-01],  
[1.1676e+02, 5.2576e-01, 3.3376e+00],  
[3.9895e-01, 1.3942e-05, 4.9528e-02],  
[1.1592e-02, 3.7229e-08, 1.7798e-03],  
[4.2369e+01, 1.1150e-01, 9.7425e-01],  
[1.7550e-01, 2.1235e-05, 1.9170e-02],  
[9.2848e-01, 4.7284e-04, 9.2860e-02],  
[6.3599e+01, 3.2438e-01, 2.5159e+00],  
[2.0326e-01, 1.4703e-05, 2.3168e-02],  
[3.0492e-01, 4.4135e-05, 3.3250e-02],  
[4.5392e+01, 5.7266e-01, 1.7958e+00],  
[2.6536e+00, 2.2991e-04, 1.7342e-01],  
[1.8191e+01, 1.7237e-02, 7.4009e-01],  
[1.5383e+02, 6.9128e-01, 3.0544e+00],  
[1.6114e+01, 1.1523e-01, 1.1395e+00],  
[3.6448e+00, 5.0857e-03, 2.7131e-01],  
[3.8066e+00, 3.1530e-04, 2.3969e-01],  
[3.0681e-02, 8.7320e-07, 4.3325e-03],  
[1.6385e+00, 2.4310e-04, 2.0585e-01],

```

[5.1112e+01, 4.8167e-02, 1.2785e+00],
[1.6213e+01, 1.0420e-01, 8.2778e-01],
[4.8192e-01, 1.0365e-05, 5.1915e-02],
[6.5963e-02, 1.8823e-06, 8.8496e-03],
[1.0233e+02, 8.1457e-01, 4.1702e+00],
[5.0285e-01, 6.3853e-05, 7.1693e-02],
[1.9643e+02, 6.6547e-01, 4.8386e+00],
[2.6879e+01, 8.1273e-02, 1.0576e+00],
[6.2604e+00, 7.4184e-03, 3.3075e-01],
[1.1736e-01, 3.9120e-06, 1.4637e-02],
[1.7698e+01, 6.3033e-02, 1.0030e+00],
[2.0140e-01, 2.3910e-05, 2.0243e-02],
[5.8424e+00, 2.9147e-03, 2.9226e-01],
[1.0578e+01, 5.4489e-03, 4.7271e-01],
[1.0574e+00, 8.8536e-04, 1.2819e-01],
[5.4755e-01, 1.8410e-04, 6.5871e-02],
[1.4025e+01, 2.0707e-02, 4.4805e-01],
[5.4137e-01, 8.8062e-05, 4.2174e-02],
[5.6240e+01, 3.6405e-01, 1.2310e+00],
[3.1124e+01, 1.5025e-02, 8.8016e-01]], dtype=torch.float64)
Iteration: 211
Inputs: tensor([[2.0956e+19, 2.0587e+02, 7.1543e+00, 5.3207e+00],
[9.9507e+19, 4.8833e+02, 7.2597e+00, 9.5805e+00],
[3.2893e+19, 4.0423e+02, 1.9360e+01, 6.9926e+00],
...,
[4.3271e+19, 1.1611e+02, 1.1327e+01, 8.8938e+00],
[4.3846e+18, 3.4439e+02, 2.5687e+00, 4.0436e+00],
[2.6010e+18, 4.8880e+02, 1.0964e+01, 7.2817e+00]], dtype=torch.float64)
Target: tensor([[6.0560e+00, 4.7188e-03, 3.7968e-01],
[6.9139e+01, 8.9752e-01, 1.4541e+00],
[1.3036e+01, 5.0258e-02, 6.1345e-01],
[8.4885e+00, 1.9084e-02, 9.6829e-01],
[2.6308e-01, 3.7444e-05, 3.6394e-02],
[9.3016e+01, 1.8914e-01, 2.6001e+00],
[1.9062e+00, 9.9043e-05, 1.7794e-01],
[1.6690e+00, 7.3862e-04, 1.2226e-01],
[3.8888e+00, 2.8834e-03, 2.7722e-01],
[2.1661e+02, 1.0301e+00, 4.1358e+00],
[4.8492e+01, 1.3779e-01, 1.6787e+00],
[2.1675e+02, 5.3789e+00, 4.0746e+00],
[2.3046e+01, 2.2765e-01, 1.0972e+00],
[7.6164e-01, 2.6715e-04, 8.0420e-02],
[1.5425e+01, 1.3405e-02, 6.3555e-01],
[4.5832e+00, 1.8847e-03, 1.9231e-01],
[1.8706e+00, 1.4208e-03, 1.6217e-01],
[2.8048e+01, 1.6356e-02, 2.3300e+00],
[3.2053e-02, 1.2028e-07, 4.7384e-03],
[1.7488e+02, 2.7309e-01, 3.2086e+00],

```

[1.4238e+02, 6.0038e-01, 4.2499e+00],  
[1.2395e+00, 9.2727e-05, 8.2482e-02],  
[4.7449e+00, 8.4082e-03, 3.0278e-01],  
[6.3877e+01, 3.5659e-01, 1.5336e+00],  
[3.0877e+00, 3.3259e-03, 3.2426e-01],  
[1.3267e+01, 7.3570e-03, 6.7031e-01],  
[7.6357e+01, 5.4750e-01, 1.5060e+00],  
[1.6791e+01, 1.6068e-02, 1.1597e+00],  
[2.1922e-01, 4.4794e-06, 2.8220e-02],  
[1.6164e+00, 2.1016e-04, 1.4555e-01],  
[3.9502e-02, 5.0063e-07, 5.2351e-03],  
[4.5375e+01, 2.1382e-01, 8.9528e-01],  
[1.0149e+02, 8.2080e-01, 4.0484e+00],  
[1.1043e+02, 1.4182e+00, 2.0198e+00],  
[1.6689e-01, 5.9310e-06, 1.8317e-02],  
[3.1878e-01, 3.4225e-05, 3.5998e-02],  
[1.7622e+01, 4.0310e-02, 5.2897e-01],  
[1.2260e-03, 2.4153e-10, 1.9764e-04],  
[6.5841e+01, 1.6196e-01, 1.6234e+00],  
[1.9085e+02, 5.8599e+00, 3.4518e+00],  
[3.6341e+01, 1.1858e-01, 9.9266e-01],  
[6.2542e+01, 6.0482e-01, 2.9622e+00],  
[1.6881e+01, 4.6515e-02, 5.9105e-01],  
[3.8923e+01, 1.3896e-01, 1.8663e+00],  
[1.1320e-02, 5.8581e-08, 1.7575e-03],  
[6.8369e+00, 3.5036e-04, 3.2434e-01],  
[7.1775e+00, 9.3706e-03, 3.5745e-01],  
[5.9348e-01, 4.2845e-05, 4.8360e-02],  
[1.3870e-01, 7.2546e-06, 1.6650e-02],  
[1.2503e-02, 7.5968e-09, 1.9509e-03],  
[2.1130e+00, 1.3054e-03, 1.5930e-01],  
[1.8479e+00, 2.7345e-04, 1.4565e-01],  
[3.5415e+02, 1.0229e+01, 5.1202e+00],  
[1.2512e+00, 3.9536e-04, 1.3433e-01],  
[6.7494e-01, 2.4427e-04, 6.0556e-02],  
[1.4645e-01, 1.7269e-05, 2.0850e-02],  
[4.8896e-01, 2.3621e-05, 4.6504e-02],  
[2.3734e+00, 5.6867e-05, 2.4261e-01],  
[3.1997e-01, 1.3296e-05, 3.2825e-02],  
[1.4819e+00, 1.2730e-04, 1.4186e-01],  
[7.3153e+00, 5.7655e-03, 8.3679e-01],  
[2.5658e+00, 4.4340e-03, 3.1136e-01],  
[1.8499e+00, 2.0250e-03, 1.7479e-01],  
[1.5782e+00, 5.0888e-04, 1.0914e-01],  
[5.1866e+01, 9.5881e-01, 2.4366e+00],  
[3.2518e-01, 3.5205e-05, 4.2680e-02],  
[1.6248e-01, 1.0778e-05, 2.2055e-02],  
[6.9655e+01, 6.9237e-02, 1.5492e+00],

[3.1466e-03, 4.0316e-09, 4.9698e-04],  
[1.1388e-01, 6.5509e-06, 1.3516e-02],  
[3.4309e-01, 1.2201e-05, 3.5740e-02],  
[7.8981e+00, 6.7397e-03, 4.3854e-01],  
[2.8147e+00, 1.7293e-04, 1.8285e-01],  
[1.4914e+02, 2.3099e+00, 2.6528e+00],  
[9.6933e-01, 1.2030e-04, 9.5588e-02],  
[8.7453e+01, 1.1076e+00, 2.6892e+00],  
[1.9617e+02, 3.3581e+00, 3.7085e+00],  
[2.2240e+02, 4.0706e+00, 4.0938e+00],  
[5.3676e+01, 2.1522e-01, 3.3887e+00],  
[1.4691e+01, 5.3028e-02, 9.4388e-01],  
[1.5351e+00, 7.5439e-04, 1.5709e-01],  
[8.0966e+01, 1.0951e+00, 2.3869e+00],  
[4.2710e+00, 9.7854e-03, 5.2605e-01],  
[3.3157e-01, 8.5713e-06, 3.1159e-02],  
[3.6569e+00, 1.3253e-03, 2.0552e-01],  
[7.3901e+01, 7.9217e-01, 3.6609e+00],  
[8.1332e+01, 1.3204e+00, 2.4050e+00],  
[2.8269e-01, 2.8932e-05, 3.2540e-02],  
[3.5186e-02, 4.2022e-07, 5.0444e-03],  
[1.0969e+00, 3.1212e-04, 8.2213e-02],  
[4.7500e+01, 4.8917e-01, 1.4114e+00],  
[5.0538e-01, 7.5442e-05, 5.7592e-02],  
[7.8519e+01, 5.9570e-01, 1.8845e+00],  
[1.5675e+00, 2.9867e-04, 1.2140e-01],  
[2.4204e+00, 5.6030e-04, 1.6297e-01],  
[3.9958e+01, 4.7858e-01, 1.2610e+00],  
[1.5844e+02, 2.9464e+00, 3.0345e+00],  
[3.7693e+01, 7.8271e-02, 1.2285e+00],  
[6.1326e+01, 9.6068e-01, 3.0557e+00],  
[3.1829e-02, 4.4445e-07, 4.5122e-03],  
[2.1394e-01, 2.8394e-05, 2.2316e-02],  
[2.9206e-01, 1.3402e-05, 3.4222e-02],  
[1.1684e+00, 4.7717e-04, 1.0749e-01],  
[1.9822e+00, 1.8917e-03, 1.4622e-01],  
[6.0052e+00, 8.5403e-03, 3.7169e-01],  
[8.7801e+00, 1.6799e-03, 3.5239e-01],  
[1.0497e+01, 9.9199e-03, 1.0507e+00],  
[3.0136e+01, 1.0733e-01, 8.7031e-01],  
[3.9143e+01, 2.4469e-01, 1.8059e+00],  
[4.0180e+01, 4.8800e-01, 1.6771e+00],  
[3.0823e+00, 3.1668e-03, 2.0709e-01],  
[2.7002e+01, 5.7250e-02, 1.5574e+00],  
[5.0838e+01, 6.9985e-01, 2.0696e+00],  
[2.8411e+01, 2.4225e-01, 1.4791e+00],  
[1.6278e+00, 7.7211e-04, 2.0906e-01],  
[1.1053e-01, 8.6757e-06, 1.5553e-02],

[1.0831e+02, 1.5657e+00, 2.4857e+00],  
 [2.4674e-01, 2.0347e-05, 3.4337e-02],  
 [1.7856e-01, 8.1319e-06, 2.1823e-02],  
 [1.3180e-01, 1.5821e-06, 1.6814e-02],  
 [9.5853e+00, 2.9682e-02, 4.5277e-01],  
 [7.7290e+00, 1.0875e-02, 6.7328e-01],  
 [1.1287e-03, 1.9173e-10, 1.8235e-04],  
 [7.9106e-02, 7.5129e-07, 1.1298e-02],  
 [1.6932e-01, 8.7870e-06, 1.8080e-02],  
 [2.7986e+02, 3.2000e+00, 4.6099e+00],  
 [4.5629e+01, 2.1703e-01, 1.1567e+00],  
 [1.4247e+01, 1.9725e-02, 8.5468e-01],  
 [2.3494e+01, 1.5858e-01, 1.2682e+00],  
 [4.5636e-01, 3.9904e-05, 3.3184e-02],  
 [6.2179e-03, 3.9448e-08, 9.7100e-04],  
 [1.3315e+01, 8.6245e-03, 1.0723e+00],  
 [9.4515e-02, 3.4323e-06, 1.1676e-02],  
 [4.2815e+01, 1.8256e-01, 1.0218e+00],  
 [7.4816e-01, 2.1240e-04, 8.8388e-02],  
 [1.5913e+02, 5.8848e-01, 4.7821e+00],  
 [2.3100e+00, 2.4860e-04, 1.2371e-01],  
 [3.2126e+01, 3.6109e-02, 2.1261e+00],  
 [1.2071e+02, 4.9349e-01, 3.2324e+00],  
 [1.3432e+02, 4.0450e+00, 4.3877e+00],  
 [7.4068e+00, 1.2232e-02, 4.1406e-01],  
 [2.9203e+01, 2.4478e-01, 2.3248e+00],  
 [1.5389e+02, 1.8359e-01, 3.1790e+00],  
 [3.9759e+00, 7.5836e-03, 3.5297e-01],  
 [9.2146e+01, 2.4729e-01, 1.8592e+00],  
 [6.4208e+01, 1.4941e-01, 1.6577e+00],  
 [3.4739e-01, 8.6221e-05, 4.6679e-02],  
 [1.3529e+02, 7.7594e-01, 3.1274e+00],  
 [1.3058e+01, 2.4882e-02, 7.2147e-01],  
 [2.0001e+01, 4.8903e-02, 9.0043e-01],  
 [2.0978e+02, 3.2060e-01, 4.1601e+00],  
 [1.0447e+01, 6.4056e-03, 4.7280e-01],  
 [7.4895e-01, 1.3758e-05, 4.6305e-02],  
 [4.9470e-02, 7.5028e-07, 6.8525e-03],  
 [6.4745e-01, 1.0923e-04, 5.3130e-02],  
 [1.8892e+00, 9.3815e-04, 1.2085e-01],  
 [1.4268e+01, 4.5130e-02, 1.1293e+00],  
 [7.8033e+01, 8.9688e-01, 2.2268e+00],  
 [1.5559e+01, 1.0569e-01, 7.6344e-01],  
 [1.7711e-02, 1.4737e-07, 2.7689e-03],  
 [3.4948e-02, 4.4665e-08, 5.1490e-03],  
 [1.6160e+01, 7.3749e-02, 9.0596e-01],  
 [1.4242e-01, 3.3717e-06, 2.0153e-02],  
 [7.2096e+01, 4.8435e-01, 1.6339e+00],

[7.3928e-02, 1.0029e-06, 1.0471e-02],  
 [3.7071e+00, 1.9768e-03, 3.7480e-01],  
 [2.2649e+02, 6.1184e+00, 3.6395e+00],  
 [3.9553e+01, 3.6302e-01, 1.2527e+00],  
 [2.6315e+00, 9.8638e-04, 1.3590e-01],  
 [6.2996e-01, 1.0079e-04, 7.7660e-02],  
 [1.0174e+02, 1.3821e+00, 3.0387e+00],  
 [3.4565e+01, 1.1067e-01, 9.7114e-01],  
 [4.6127e+01, 4.5093e-01, 1.4513e+00],  
 [4.1676e+01, 1.5256e-01, 1.4114e+00],  
 [2.5015e+01, 5.3588e-02, 2.1516e+00],  
 [2.1892e+00, 5.7380e-04, 2.3041e-01],  
 [1.0117e+00, 3.0177e-04, 1.2781e-01],  
 [3.1147e-01, 1.7400e-05, 2.8862e-02],  
 [9.3706e+01, 1.7144e+00, 3.8626e+00],  
 [2.1071e+02, 2.4881e-01, 3.2509e+00],  
 [2.3830e+02, 7.1971e+00, 4.3003e+00],  
 [9.3058e+00, 4.4424e-02, 8.2059e-01],  
 [3.7454e-01, 1.0102e-05, 3.2588e-02],  
 [1.9432e+01, 5.3347e-02, 6.2105e-01],  
 [4.4753e+01, 3.8696e-01, 1.5858e+00],  
 [1.4566e+01, 5.6700e-02, 1.1676e+00],  
 [3.7793e-01, 2.9461e-05, 5.5628e-02],  
 [1.9283e+00, 6.2675e-04, 1.7609e-01],  
 [5.7939e-01, 1.1118e-04, 7.7489e-02],  
 [1.7039e+00, 9.1682e-04, 2.0322e-01],  
 [1.3436e+00, 2.8739e-04, 1.0297e-01],  
 [1.9643e+00, 2.8294e-04, 1.1210e-01],  
 [1.2993e+02, 2.3512e+00, 3.3900e+00],  
 [1.0378e+00, 4.2347e-04, 7.8161e-02],  
 [1.6580e+00, 4.1612e-04, 1.8693e-01],  
 [6.0986e+01, 6.9123e-01, 2.6111e+00],  
 [1.9498e+02, 2.1511e+00, 3.5802e+00],  
 [9.3031e+00, 1.9737e-03, 3.2566e-01],  
 [2.8322e+01, 3.8655e-02, 1.6035e+00],  
 [2.3724e+00, 2.5323e-03, 1.9886e-01],  
 [1.0723e+01, 3.8356e-02, 5.9616e-01],  
 [7.1138e-03, 1.0961e-08, 1.1033e-03],  
 [5.2854e+00, 7.0110e-03, 3.4455e-01],  
 [7.9607e-01, 2.6181e-04, 8.3478e-02],  
 [1.6689e-01, 5.9228e-06, 1.7653e-02],  
 [8.5838e-01, 1.3792e-04, 8.2871e-02],  
 [5.1131e-02, 2.6098e-07, 7.1527e-03],  
 [7.2607e-01, 4.7484e-05, 7.8678e-02],  
 [2.9196e-02, 5.7005e-07, 4.4496e-03],  
 [4.4455e-01, 8.9206e-05, 3.8984e-02],  
 [2.4731e+01, 8.8404e-02, 1.2387e+00],  
 [7.7476e+01, 2.4388e-01, 2.4495e+00],

[2.4332e+01, 2.5197e-01, 1.5273e+00],  
[1.1864e+02, 2.8060e+00, 2.7071e+00],  
[3.1348e-01, 1.2104e-05, 3.5713e-02],  
[3.0008e+01, 1.4987e-02, 1.2222e+00],  
[1.2722e+00, 1.0676e-03, 1.3971e-01],  
[7.4896e+00, 1.8785e-03, 4.0162e-01],  
[5.4793e+00, 5.2728e-03, 3.1090e-01],  
[3.7622e+01, 6.6214e-02, 1.4724e+00],  
[1.2864e+00, 1.3340e-03, 1.3569e-01],  
[3.5446e+01, 6.2702e-02, 1.8103e+00],  
[1.1676e+02, 1.8709e+00, 2.6377e+00],  
[5.6743e+01, 2.6862e-01, 2.6895e+00],  
[1.6952e+01, 1.2622e-01, 1.0518e+00],  
[7.2226e-02, 2.2023e-06, 1.0304e-02],  
[1.0723e+01, 1.4865e-02, 6.1602e-01],  
[2.2315e+01, 8.7582e-03, 1.1748e+00],  
[9.2485e-01, 9.2370e-05, 7.3466e-02],  
[5.9988e+01, 1.9478e-01, 2.6299e+00],  
[4.1506e+00, 2.0122e-03, 4.4393e-01],  
[4.3333e+01, 8.8483e-02, 1.5982e+00],  
[1.4638e+01, 6.5397e-02, 9.9066e-01],  
[1.1527e+01, 6.9666e-02, 8.9499e-01],  
[2.9592e+01, 1.7050e-01, 1.1173e+00],  
[1.8775e+01, 4.3045e-02, 7.3260e-01],  
[1.0294e+00, 2.3778e-04, 7.9811e-02],  
[7.9792e+01, 9.1572e-01, 3.1990e+00],  
[1.1166e-01, 7.1648e-06, 1.3275e-02],  
[4.2390e+01, 8.1529e-02, 1.4053e+00],  
[5.0827e+01, 2.3649e-01, 1.9238e+00],  
[1.0029e-01, 6.9966e-06, 1.2434e-02],  
[8.4726e+01, 5.2770e-01, 2.9457e+00],  
[5.0034e+01, 3.3983e-01, 3.0132e+00],  
[5.0442e+00, 5.6668e-03, 4.0686e-01],  
[4.6311e+00, 1.1875e-03, 1.9971e-01],  
[2.9924e+00, 8.0400e-04, 1.9437e-01],  
[1.1150e-02, 1.8076e-08, 1.6768e-03],  
[1.1926e-01, 8.1538e-06, 1.6097e-02],  
[1.5223e+01, 4.2888e-02, 8.4323e-01],  
[1.0456e+01, 1.1716e-02, 5.8732e-01],  
[3.0351e-03, 1.4703e-09, 4.8289e-04],  
[1.8806e+02, 7.4194e-01, 3.6143e+00],  
[4.3669e-02, 1.7514e-06, 6.3230e-03],  
[1.1196e+02, 1.3729e+00, 3.2355e+00],  
[7.5853e+00, 1.5277e-02, 7.0348e-01],  
[2.0214e+00, 7.0971e-04, 1.5883e-01],  
[4.9437e-02, 2.0535e-06, 6.5753e-03],  
[1.6376e-01, 1.8608e-05, 1.7871e-02],  
[3.9428e-01, 1.0759e-05, 4.4343e-02],

[1.0946e-01, 9.3242e-06, 1.2486e-02],  
[8.3392e+00, 2.1211e-02, 3.8250e-01],  
[1.2738e+02, 2.8791e+00, 2.9057e+00],  
[1.3053e+01, 3.0707e-02, 9.8483e-01],  
[7.1996e-01, 1.3818e-04, 5.5412e-02],  
[1.1690e+01, 5.9090e-02, 6.2718e-01],  
[2.6044e-02, 1.5322e-07, 3.7491e-03],  
[2.8633e+00, 4.7897e-04, 2.0757e-01],  
[2.1191e+01, 8.3547e-02, 1.5441e+00],  
[1.0407e-01, 8.1918e-07, 1.4324e-02],  
[6.7512e+01, 2.8941e-01, 3.0922e+00],  
[3.3407e+01, 1.0663e-01, 1.4740e+00],  
[1.9848e+00, 4.3763e-04, 2.2428e-01],  
[5.1986e+00, 1.8050e-02, 4.2646e-01],  
[6.1476e+01, 1.0032e+00, 1.6466e+00],  
[1.9257e-02, 2.5826e-07, 2.8019e-03],  
[2.9789e-01, 1.9219e-05, 3.5269e-02],  
[8.6593e+01, 3.5829e-01, 3.5890e+00],  
[1.7820e+02, 2.8067e-01, 3.8860e+00],  
[3.8004e+01, 1.8382e-01, 1.1801e+00],  
[8.7097e-02, 1.3148e-06, 1.1470e-02],  
[4.9149e+01, 8.4025e-01, 1.7087e+00],  
[6.8336e-01, 9.5024e-05, 5.8299e-02],  
[6.5240e+01, 6.5046e-01, 2.8478e+00],  
[2.1019e+01, 5.4702e-02, 5.8264e-01],  
[3.1932e+00, 3.9488e-03, 2.2279e-01],  
[7.8716e+00, 5.4342e-03, 3.4503e-01],  
[1.2759e+00, 9.0035e-05, 1.3065e-01],  
[9.6149e+00, 1.2912e-02, 4.7397e-01],  
[1.3310e+01, 6.5619e-02, 9.4800e-01],  
[1.4209e+01, 7.8345e-03, 9.7813e-01],  
[4.1651e+01, 1.0816e-01, 1.3331e+00],  
[5.2661e+00, 1.2090e-02, 5.0186e-01],  
[2.4128e+01, 3.0418e-02, 1.2036e+00],  
[7.4114e+01, 5.1643e-01, 1.7375e+00],  
[7.2153e-01, 1.2556e-04, 7.2127e-02],  
[2.7379e+00, 2.3169e-03, 1.9164e-01],  
[3.5506e+01, 8.6592e-02, 1.7122e+00],  
[8.5862e+00, 1.9407e-03, 6.0862e-01],  
[2.7231e+01, 1.5890e-01, 1.6003e+00],  
[5.0892e+01, 5.8941e-01, 1.6654e+00],  
[1.9289e-01, 3.1593e-06, 2.4623e-02],  
[1.6245e+01, 9.3280e-02, 9.0417e-01],  
[1.4858e-01, 1.2229e-06, 1.8310e-02],  
[2.5686e+01, 9.0134e-02, 1.4905e+00],  
[5.2941e+01, 7.8555e-01, 1.7771e+00],  
[7.4546e+01, 8.0157e-01, 1.6043e+00],  
[4.1880e+01, 6.7174e-02, 2.7065e+00],



```

[1.2416e+02, 1.7858e+00, 3.3228e+00],
[4.3636e+01, 3.6511e-02, 2.6532e+00],
[1.2413e+02, 3.7534e-01, 2.3401e+00],
[8.4031e+00, 1.5503e-02, 4.0389e-01],
[5.7015e-02, 9.7549e-07, 7.4065e-03],
[2.6414e+01, 1.0045e-01, 2.1650e+00],
[2.2895e+01, 4.1240e-02, 9.6805e-01],
[1.5619e-01, 1.4204e-05, 1.9469e-02],
[4.1314e+00, 6.7699e-03, 3.7086e-01],
[8.0982e+00, 3.0051e-02, 5.5261e-01],
[2.1177e+00, 1.7752e-04, 1.2792e-01],
[9.6443e-01, 2.1649e-04, 6.9943e-02]], dtype=torch.float64)
Iteration: 212
Inputs: tensor([[1.4938e+19, 9.6147e+01, 1.7439e+01, 2.2281e+00],
[6.3528e+20, 1.8268e+02, 4.8473e+00, 7.0050e+00],
[1.0720e+18, 2.9927e+02, 7.4989e+00, 1.2153e+00],
...,
[6.5682e+20, 3.6335e+02, 1.1049e+01, 4.1864e+00],
[3.7764e+19, 2.4330e+02, 1.6546e+01, 7.5691e+00],
[6.4060e+19, 4.9241e+02, 1.4093e+01, 1.3302e+00]], dtype=torch.float64)
Target: tensor([[1.1782e-01, 4.4790e-06, 1.7220e-02],
[1.3624e+02, 1.8243e+00, 3.8532e+00],
[1.7528e-02, 1.9011e-08, 2.5275e-03],
[9.8706e+01, 1.3145e+00, 3.3250e+00],
[1.8024e+00, 2.2274e-04, 1.4214e-01],
[1.9599e+01, 6.3008e-02, 9.1111e-01],
[7.5050e+00, 1.1198e-02, 4.2152e-01],
[2.7406e+01, 1.3356e-01, 1.2060e+00],
[5.0022e+01, 8.7837e-01, 2.9284e+00],
[3.0274e-01, 9.8167e-05, 4.0340e-02],
[1.0467e+01, 5.4014e-02, 8.3730e-01],
[1.8799e+02, 2.9460e+00, 3.3358e+00],
[5.0477e+01, 1.0114e+00, 2.0768e+00],
[1.7500e+00, 2.0102e-04, 1.2722e-01],
[6.4889e+00, 5.1221e-02, 6.8857e-01],
[6.2699e-02, 1.0585e-06, 9.0640e-03],
[2.2325e-01, 1.7749e-05, 3.0226e-02],
[1.0604e+01, 3.2751e-02, 6.4040e-01],
[4.7088e+01, 1.1247e-01, 2.3943e+00],
[1.1868e+00, 6.9070e-04, 1.0637e-01],
[1.6756e+01, 4.5665e-03, 6.4922e-01],
[6.6633e+00, 9.2453e-04, 2.9076e-01],
[9.5225e+01, 9.5286e-01, 2.1936e+00],
[1.6752e+01, 1.2167e-02, 5.3194e-01],
[6.5373e+01, 1.2164e-01, 2.2471e+00],
[2.9375e-01, 5.4980e-05, 2.7245e-02],
[3.2370e+01, 9.8058e-02, 1.3844e+00],
[3.4159e+01, 2.7755e-01, 1.4106e+00],

```

[2.0187e+01, 1.3760e-02, 5.9075e-01],  
[1.6213e+02, 1.4787e-01, 4.4586e+00],  
[1.8903e+01, 3.1319e-02, 1.0412e+00],  
[7.9155e+01, 1.3458e+00, 3.3032e+00],  
[1.7136e+00, 3.6197e-04, 1.9595e-01],  
[1.5272e+01, 2.4478e-02, 1.3735e+00],  
[1.5826e+02, 5.2751e-01, 2.9458e+00],  
[3.0623e-02, 6.1550e-07, 4.3781e-03],  
[9.7821e-02, 4.3739e-06, 1.4428e-02],  
[1.1901e+00, 4.9885e-04, 8.3421e-02],  
[1.3369e+01, 1.5767e-02, 1.3376e+00],  
[1.7621e-01, 4.3511e-07, 1.9415e-02],  
[7.8397e-01, 1.6974e-04, 9.0846e-02],  
[1.0488e-02, 1.5370e-07, 1.5799e-03],  
[9.3191e-01, 1.5386e-04, 8.5392e-02],  
[9.9426e+00, 3.4722e-02, 5.1886e-01],  
[1.9155e+01, 1.3973e-01, 8.4079e-01],  
[4.7449e-01, 5.1035e-05, 4.6932e-02],  
[1.6042e+01, 1.0987e-01, 1.4412e+00],  
[9.1443e+00, 4.0651e-02, 6.0268e-01],  
[3.0789e+01, 4.8444e-02, 8.5950e-01],  
[9.8721e+01, 1.4033e-01, 3.5863e+00],  
[5.9976e-01, 1.0401e-04, 4.2910e-02],  
[1.0551e+02, 3.9793e-01, 3.7995e+00],  
[1.9018e+02, 8.7821e+00, 4.5151e+00],  
[6.8167e-01, 5.0758e-05, 5.6188e-02],  
[4.2402e+00, 5.4968e-03, 4.1029e-01],  
[6.6124e+01, 1.1767e-01, 1.6572e+00],  
[1.3057e+01, 7.6954e-03, 4.4395e-01],  
[3.8780e+01, 1.1654e-01, 1.2623e+00],  
[8.8623e-02, 2.7898e-06, 1.2910e-02],  
[7.7628e+01, 5.4730e-02, 1.8639e+00],  
[5.7442e-02, 9.5846e-07, 8.5714e-03],  
[1.6431e+02, 2.6274e+00, 4.1770e+00],  
[9.8765e+01, 4.4073e-01, 2.9127e+00],  
[3.6717e+01, 7.0905e-02, 2.5894e+00],  
[2.2483e+01, 6.7800e-02, 1.0953e+00],  
[1.3566e-01, 9.8219e-06, 1.6533e-02],  
[2.0033e+02, 8.0117e+00, 3.8415e+00],  
[2.8083e+00, 5.5768e-04, 2.9293e-01],  
[3.7209e+01, 1.3303e-01, 1.6812e+00],  
[1.1145e+00, 8.4168e-05, 1.2262e-01],  
[3.2596e+00, 1.6512e-03, 2.8469e-01],  
[8.5657e+01, 1.2508e+00, 2.4830e+00],  
[4.8857e-01, 2.1447e-04, 6.2393e-02],  
[3.9686e+01, 3.2438e-01, 2.3246e+00],  
[1.1581e+00, 1.6843e-04, 1.2330e-01],  
[6.8345e+00, 4.6229e-04, 4.7585e-01],

[8.9075e-01, 5.0834e-05, 6.3998e-02],  
[1.6937e+01, 3.7610e-02, 9.9540e-01],  
[3.2539e+00, 9.3181e-04, 1.4847e-01],  
[6.9547e+01, 5.9516e-01, 1.9793e+00],  
[1.0122e+01, 2.6606e-02, 4.5945e-01],  
[1.5522e+02, 3.2843e+00, 4.2506e+00],  
[1.7156e+01, 1.1216e-02, 1.2161e+00],  
[2.4562e+01, 3.3810e-02, 1.5770e+00],  
[3.1787e-01, 2.4085e-05, 2.6919e-02],  
[8.0221e+00, 1.0887e-02, 4.8385e-01],  
[7.3609e+00, 8.9786e-03, 3.0905e-01],  
[1.0569e+01, 3.6391e-02, 5.6694e-01],  
[3.0742e-02, 4.2739e-07, 4.2928e-03],  
[2.5564e+01, 1.7828e-01, 8.6147e-01],  
[8.4506e+01, 1.4307e+00, 2.0352e+00],  
[8.5233e-03, 8.3058e-08, 1.3028e-03],  
[3.2422e+00, 2.1025e-03, 2.8186e-01],  
[2.4284e+00, 1.0752e-03, 1.5275e-01],  
[3.8424e+01, 2.2009e-01, 2.8242e+00],  
[1.2794e+01, 4.0612e-02, 5.4500e-01],  
[6.0605e-01, 8.9352e-05, 4.7792e-02],  
[8.5027e+01, 1.6125e-01, 3.9535e+00],  
[3.8530e+01, 1.0508e-01, 1.2617e+00],  
[8.6023e+01, 2.0473e+00, 2.5872e+00],  
[1.3950e+00, 6.2860e-04, 1.0252e-01],  
[3.2472e+01, 1.1548e-01, 1.2697e+00],  
[4.4965e-02, 3.1391e-07, 6.3321e-03],  
[9.4884e+01, 1.8453e-01, 2.9062e+00],  
[2.2854e-01, 3.3315e-05, 3.2175e-02],  
[4.8680e-02, 1.3129e-06, 7.0131e-03],  
[1.7091e+01, 4.4218e-02, 6.2675e-01],  
[7.1539e+00, 1.4824e-02, 3.7123e-01],  
[5.8787e+01, 1.1046e-01, 1.2078e+00],  
[1.0232e-01, 2.7189e-06, 1.4500e-02],  
[1.1552e+00, 9.2796e-04, 1.3742e-01],  
[4.0586e+01, 1.9449e-01, 1.2798e+00],  
[3.2211e+00, 2.9604e-03, 2.2363e-01],  
[4.9789e+00, 7.1859e-03, 3.6203e-01],  
[5.5159e+00, 3.0357e-03, 2.6331e-01],  
[1.3152e-01, 3.8053e-06, 1.5173e-02],  
[4.9535e+00, 4.0797e-03, 2.7865e-01],  
[8.5689e+00, 2.4264e-03, 4.1304e-01],  
[6.0315e+01, 5.1340e-01, 2.4490e+00],  
[3.2878e-02, 1.8607e-07, 4.4556e-03],  
[7.3375e+01, 1.1168e+00, 1.8644e+00],  
[2.9931e+01, 1.6866e-01, 1.3596e+00],  
[2.3334e+01, 1.4792e-01, 1.5695e+00],  
[2.3088e+00, 1.8378e-04, 1.6440e-01],

[1.4671e+02, 3.9097e+00, 4.5084e+00],  
 [1.9701e+00, 7.8976e-04, 1.1792e-01],  
 [2.0192e+01, 1.2101e-01, 7.9998e-01],  
 [5.0690e+01, 2.1767e-01, 2.0307e+00],  
 [1.9793e-01, 1.6348e-05, 2.8043e-02],  
 [1.1575e+00, 2.6503e-04, 1.0088e-01],  
 [9.8740e+00, 1.0558e-02, 4.3534e-01],  
 [1.6027e+00, 8.4770e-05, 1.8076e-01],  
 [3.5641e+00, 4.0568e-03, 2.4827e-01],  
 [4.9116e+00, 1.1315e-02, 3.3739e-01],  
 [2.2828e+01, 4.4132e-02, 1.6157e+00],  
 [1.1788e+01, 4.8755e-02, 9.7318e-01],  
 [2.6961e-03, 2.3710e-09, 4.3011e-04],  
 [4.8215e+00, 1.1606e-02, 5.9394e-01],  
 [1.8712e-02, 9.7580e-08, 2.6784e-03],  
 [8.9989e+00, 3.7791e-02, 6.6295e-01],  
 [1.4695e+00, 3.2266e-03, 1.7864e-01],  
 [4.9850e+00, 1.3786e-03, 2.3872e-01],  
 [4.5964e+00, 1.2936e-03, 3.1887e-01],  
 [2.9089e-01, 3.3662e-05, 3.9477e-02],  
 [7.3817e+01, 3.2069e-01, 2.9369e+00],  
 [1.3405e-02, 6.1063e-08, 2.0432e-03],  
 [1.1344e+02, 1.6950e+00, 2.3023e+00],  
 [3.8932e+00, 1.2757e-03, 1.7825e-01],  
 [1.5554e+01, 1.2874e-01, 9.4862e-01],  
 [2.2514e+01, 1.7904e-01, 7.8094e-01],  
 [3.1986e+01, 7.0224e-03, 1.2234e+00],  
 [3.7130e+01, 4.9962e-01, 2.6337e+00],  
 [1.2882e+00, 4.2351e-04, 1.4449e-01],  
 [5.2818e-02, 2.4765e-06, 6.8711e-03],  
 [8.0137e-02, 3.3465e-07, 1.0674e-02],  
 [8.3733e-01, 7.0145e-05, 9.8321e-02],  
 [5.1952e+01, 5.7202e-02, 1.8433e+00],  
 [1.4893e+02, 2.6430e+00, 3.9859e+00],  
 [2.3471e+01, 8.0481e-02, 1.0883e+00],  
 [1.0288e+02, 1.0422e+00, 2.8688e+00],  
 [1.6456e+01, 2.2125e-02, 1.0115e+00],  
 [3.0226e+00, 1.2858e-03, 2.1040e-01],  
 [3.8400e+00, 5.1590e-04, 2.2849e-01],  
 [8.8486e+01, 7.1889e-01, 2.3121e+00],  
 [2.7827e+00, 1.8877e-03, 1.5187e-01],  
 [2.5604e-01, 6.4011e-05, 2.8213e-02],  
 [3.5908e-01, 1.1617e-05, 3.4311e-02],  
 [2.9102e-01, 7.9902e-05, 3.5766e-02],  
 [3.2950e+00, 1.4822e-03, 2.4662e-01],  
 [1.6040e+01, 3.6843e-02, 5.6388e-01],  
 [5.2950e-01, 1.9077e-04, 5.4612e-02],  
 [9.6241e+01, 1.5365e+00, 2.5108e+00],

[3.5760e+01, 2.3430e-01, 2.0446e+00],  
[1.9597e+00, 1.9692e-03, 1.9885e-01],  
[1.4425e+02, 7.0381e-02, 3.3695e+00],  
[2.8132e-02, 3.4599e-07, 3.9952e-03],  
[1.0109e+02, 1.7528e+00, 3.0794e+00],  
[2.7454e-01, 6.5485e-05, 3.2661e-02],  
[2.4727e+00, 1.5334e-03, 2.0297e-01],  
[1.8801e+01, 7.6190e-02, 7.7993e-01],  
[7.5876e+00, 2.0129e-02, 6.1508e-01],  
[1.2932e-01, 1.4353e-05, 1.5575e-02],  
[3.5439e+01, 1.5348e-01, 1.1723e+00],  
[1.1879e-01, 1.2806e-05, 1.3723e-02],  
[4.2742e+01, 1.4912e-01, 8.6797e-01],  
[2.8365e+01, 1.4605e-01, 9.4899e-01],  
[1.1815e-01, 1.2171e-05, 1.7656e-02],  
[6.5057e+00, 4.4685e-03, 6.1777e-01],  
[2.6970e+00, 9.8491e-04, 2.9430e-01],  
[2.4775e+01, 1.3294e-01, 9.2424e-01],  
[4.7907e+00, 6.2185e-04, 5.1786e-01],  
[4.7797e+01, 3.2857e-02, 1.8102e+00],  
[9.8424e+01, 8.6806e-01, 2.8920e+00],  
[9.9403e-01, 1.0067e-03, 1.0549e-01],  
[1.2650e+01, 1.8536e-02, 1.0498e+00],  
[3.4700e+01, 8.7936e-02, 1.0413e+00],  
[1.2763e+02, 1.3231e+00, 4.6018e+00],  
[2.2869e+00, 2.1590e-04, 1.6371e-01],  
[1.7778e+02, 1.8992e+00, 2.9510e+00],  
[1.7848e+01, 3.5643e-02, 5.7505e-01],  
[7.4917e-01, 5.0643e-04, 8.5399e-02],  
[1.2353e+02, 2.2459e-01, 2.6705e+00],  
[1.0295e+01, 1.0976e-02, 4.1706e-01],  
[2.3181e-02, 5.8840e-07, 3.4183e-03],  
[8.1702e+01, 2.0791e+00, 2.2793e+00],  
[3.3705e+01, 3.0368e-01, 1.3705e+00],  
[1.2114e+00, 1.8742e-04, 1.2515e-01],  
[8.3280e+00, 1.1167e-02, 4.6672e-01],  
[1.5458e+00, 6.2836e-04, 2.1196e-01],  
[1.3090e+00, 1.6706e-04, 1.7467e-01],  
[3.7647e-01, 3.1983e-05, 3.0659e-02],  
[6.9661e+01, 7.5939e-01, 3.3532e+00],  
[2.5079e+00, 8.2991e-04, 1.7677e-01],  
[7.9699e+01, 8.8703e-01, 1.9881e+00],  
[6.2630e+00, 2.5084e-03, 4.5092e-01],  
[3.8380e+01, 1.0193e-01, 2.2606e+00],  
[1.8727e+00, 2.9035e-04, 1.9575e-01],  
[1.2428e+02, 8.9145e-01, 3.3923e+00],  
[6.5709e-01, 5.0856e-04, 8.9972e-02],  
[8.7540e+01, 1.0649e+00, 2.4086e+00],

[6.3324e+01, 1.5042e-01, 1.1498e+00],  
 [1.5108e-01, 2.0874e-05, 2.1036e-02],  
 [7.8086e+00, 7.4448e-03, 4.4075e-01],  
 [6.7702e+00, 1.1835e-03, 2.7018e-01],  
 [9.2345e+00, 4.4283e-02, 7.1037e-01],  
 [3.8677e-01, 5.7723e-05, 4.7990e-02],  
 [4.5816e+01, 6.4200e-01, 1.8089e+00],  
 [3.3650e+00, 3.1708e-04, 1.8993e-01],  
 [4.7537e+01, 8.2644e-01, 1.6948e+00],  
 [4.8432e-02, 4.9495e-07, 6.6644e-03],  
 [6.9832e+00, 9.9168e-03, 3.6363e-01],  
 [7.5240e+00, 3.7011e-03, 8.1852e-01],  
 [5.0530e+00, 1.3341e-02, 4.7186e-01],  
 [2.2221e+02, 6.9933e+00, 3.8245e+00],  
 [1.7230e+01, 1.3057e-01, 1.0935e+00],  
 [4.5208e-01, 1.1264e-04, 4.1363e-02],  
 [1.1374e-01, 1.0427e-05, 1.4173e-02],  
 [6.7513e-01, 6.7492e-05, 6.0412e-02],  
 [6.4317e+01, 1.0420e+00, 1.5595e+00],  
 [5.5573e+01, 9.2849e-01, 2.9343e+00],  
 [9.2103e-02, 5.1824e-06, 1.2857e-02],  
 [5.0416e+00, 6.1653e-03, 2.6912e-01],  
 [3.4466e+01, 1.3761e-01, 2.0565e+00],  
 [2.9410e+01, 3.2113e-01, 9.8123e-01],  
 [8.2538e+00, 3.4153e-02, 5.2677e-01],  
 [1.0943e+02, 1.6698e+00, 2.9221e+00],  
 [2.5886e-03, 4.7045e-09, 4.1246e-04],  
 [4.5060e+00, 4.7956e-03, 2.5249e-01],  
 [9.9805e+01, 1.7707e+00, 3.1587e+00],  
 [2.8263e+00, 7.0270e-04, 1.8361e-01],  
 [6.0608e-01, 1.7909e-05, 6.4806e-02],  
 [9.8687e+00, 1.9262e-02, 6.2345e-01],  
 [1.6347e-01, 1.3091e-05, 2.1170e-02],  
 [1.1111e+01, 1.7198e-02, 5.8381e-01],  
 [4.4056e+01, 4.6884e-01, 1.5826e+00],  
 [6.8606e-01, 1.8716e-04, 8.2806e-02],  
 [2.6182e-01, 2.4435e-05, 2.3773e-02],  
 [6.0174e+01, 4.0135e-01, 2.5088e+00],  
 [1.1908e+01, 4.7698e-02, 5.0904e-01],  
 [1.1834e+01, 3.4712e-02, 5.0825e-01],  
 [1.0733e+02, 1.1296e-01, 3.9525e+00],  
 [1.5881e-01, 1.2127e-05, 1.8169e-02],  
 [2.3059e-01, 1.6135e-05, 2.9657e-02],  
 [2.2952e+01, 1.1833e-02, 8.7883e-01],  
 [2.2084e+01, 8.1815e-02, 1.2812e+00],  
 [1.4627e-03, 4.2691e-09, 2.3402e-04],  
 [2.9199e+01, 2.1747e-01, 1.6255e+00],  
 [2.1172e+02, 4.8525e+00, 3.8118e+00],

[1.3713e-01, 8.9747e-06, 1.7188e-02],  
[8.6463e-02, 1.6866e-06, 1.0406e-02],  
[5.6365e+01, 1.7815e-01, 1.8659e+00],  
[9.4002e-01, 2.9385e-04, 9.0010e-02],  
[7.0722e-01, 5.9360e-05, 4.8581e-02],  
[1.5131e+02, 4.4570e+00, 3.8914e+00],  
[2.6695e+01, 1.6795e-01, 1.3824e+00],  
[2.8650e+00, 3.6559e-03, 1.9459e-01],  
[9.6021e+01, 2.4054e+00, 2.9802e+00],  
[7.7153e+00, 6.7710e-03, 3.4352e-01],  
[8.7723e-01, 2.1293e-04, 8.6039e-02],  
[3.4528e+00, 8.8939e-03, 3.0950e-01],  
[5.1777e+01, 5.1295e-01, 1.5073e+00],  
[8.5432e+01, 3.3175e-01, 2.0227e+00],  
[1.3626e+00, 1.1391e-03, 1.4296e-01],  
[9.0182e+00, 4.2246e-02, 6.9169e-01],  
[7.2181e-01, 6.3569e-05, 6.3665e-02],  
[2.0741e+01, 8.6643e-02, 1.0433e+00],  
[7.7159e-03, 9.9762e-09, 1.2167e-03],  
[1.5738e+00, 6.8007e-05, 1.0594e-01],  
[1.2135e+00, 3.4494e-04, 1.3525e-01],  
[5.8851e+01, 3.7905e-01, 1.4652e+00],  
[7.8692e-01, 2.3572e-04, 6.5130e-02],  
[3.8446e-01, 4.4383e-05, 4.8608e-02],  
[6.2745e-03, 8.0075e-09, 9.8780e-04],  
[3.6180e-02, 3.6282e-07, 5.0018e-03],  
[6.8661e+01, 1.0296e+00, 1.9314e+00],  
[3.0689e-01, 7.5342e-05, 3.6836e-02],  
[1.8873e+02, 2.4552e+00, 3.1899e+00],  
[4.4285e+01, 8.1881e-01, 2.3988e+00],  
[3.5482e+01, 9.3707e-02, 1.1708e+00],  
[1.3522e+02, 7.6282e-01, 2.8674e+00],  
[1.0535e+02, 4.2866e-01, 2.4988e+00],  
[4.5980e+01, 5.0103e-01, 1.1810e+00],  
[7.8686e+01, 7.4331e-01, 1.6597e+00],  
[4.7404e+01, 4.6608e-01, 1.4650e+00],  
[7.3234e+00, 1.2942e-02, 3.9077e-01],  
[7.5226e-01, 1.0618e-04, 7.3793e-02],  
[9.3631e+01, 1.1177e-01, 2.8010e+00],  
[5.9644e+00, 4.1909e-03, 4.7141e-01],  
[1.0818e+01, 3.2033e-02, 5.4237e-01],  
[1.9995e+02, 1.7883e+00, 4.6513e+00],  
[1.8340e+00, 4.5931e-04, 1.6031e-01],  
[9.2787e-01, 4.3757e-04, 7.7464e-02],  
[2.4334e+01, 1.8515e-01, 1.3283e+00],  
[6.5450e+01, 6.8846e-02, 1.5636e+00],  
[4.2117e-01, 6.2570e-05, 5.9585e-02],  
[4.1999e+01, 1.4820e-01, 2.2691e+00],

```

[1.1259e+02, 8.7512e-01, 4.3048e+00],
[1.3406e+02, 1.3440e+00, 3.9006e+00],
[1.0889e+01, 4.2139e-02, 6.0543e-01],
[1.0518e+01, 5.9178e-03, 7.0843e-01]], dtype=torch.float64)
Iteration: 213
Inputs: tensor([[1.7057e+20, 1.5013e+02, 1.6467e+00, 4.6045e+00],
[8.4611e+18, 2.6663e+02, 1.1329e+01, 2.1754e+00],
[8.3431e+19, 4.2678e+02, 1.7530e+01, 5.5552e+00],
...,
[3.3902e+20, 2.0371e+02, 1.3090e+01, 4.5037e+00],
[1.5690e+20, 1.2737e+02, 7.6888e+00, 5.3741e+00],
[1.0729e+18, 3.7923e+02, 5.4543e+00, 2.9886e+00]], dtype=torch.float64)
Target: tensor([[5.4227e+01, 1.1702e-01, 1.8214e+00],
[5.9178e-01, 3.9673e-05, 6.7240e-02],
[3.0985e+01, 1.8621e-01, 1.1725e+00],
[5.6812e-01, 4.8540e-05, 4.8809e-02],
[1.8797e+00, 3.7546e-04, 1.3158e-01],
[4.8617e+01, 3.2616e-01, 2.2180e+00],
[1.2714e-01, 6.1330e-06, 1.5677e-02],
[2.2625e-01, 2.9211e-05, 2.1582e-02],
[7.0964e+01, 5.7140e-01, 3.1876e+00],
[7.4724e+01, 6.7257e-01, 3.5568e+00],
[1.8085e+01, 1.3709e-02, 9.2531e-01],
[5.9912e-02, 3.1439e-07, 8.3373e-03],
[9.5034e-02, 1.2027e-06, 1.2959e-02],
[1.7218e+02, 4.4650e+00, 4.1589e+00],
[4.0789e-01, 9.0467e-05, 5.1693e-02],
[4.2857e+00, 3.6344e-03, 2.1433e-01],
[1.3748e+00, 6.7856e-05, 1.1573e-01],
[1.9494e+01, 4.5285e-02, 8.3638e-01],
[9.0936e-02, 4.1473e-06, 1.3549e-02],
[6.2000e+00, 1.9714e-02, 3.7629e-01],
[5.3276e-01, 1.3647e-05, 4.0191e-02],
[7.6158e+01, 2.6918e-01, 3.4578e+00],
[4.6039e+00, 1.8995e-03, 1.9562e-01],
[3.5448e+01, 2.9099e-02, 9.9794e-01],
[2.0136e+02, 1.8603e+00, 4.1905e+00],
[1.8065e-02, 5.6629e-08, 2.7431e-03],
[3.1281e+01, 4.0759e-01, 1.6047e+00],
[2.7117e+01, 1.3949e-03, 7.4278e-01],
[3.9643e+01, 1.1196e-01, 2.2007e+00],
[1.5306e+01, 4.3932e-02, 6.2392e-01],
[8.2141e+01, 1.9276e-01, 2.2262e+00],
[1.2420e+01, 1.1153e-02, 5.1594e-01],
[5.6194e+01, 3.6778e-01, 1.6157e+00],
[7.9098e-01, 4.1426e-04, 9.8951e-02],
[2.2657e+00, 1.9552e-03, 1.6690e-01],
[2.6881e+01, 1.4914e-01, 1.0856e+00],

```



[5.0298e+00, 4.4700e-03, 3.3778e-01],  
[1.4188e+00, 1.0152e-04, 1.1079e-01],  
[5.7693e-02, 1.5335e-06, 8.9550e-03],  
[1.6762e+00, 4.5151e-04, 9.1786e-02],  
[2.4056e+01, 1.6171e-01, 2.0226e+00],  
[7.5164e+01, 1.1912e+00, 3.4618e+00],  
[4.1673e+01, 7.1626e-02, 1.4270e+00],  
[6.1800e+01, 4.9929e-01, 2.0292e+00],  
[1.7162e-02, 1.9813e-07, 2.5077e-03],  
[2.8226e+00, 3.1904e-03, 2.0280e-01],  
[2.0164e+02, 2.0758e+00, 4.3901e+00],  
[1.8826e+02, 3.2488e-01, 3.1758e+00],  
[1.6910e-02, 3.6854e-08, 2.5246e-03],  
[1.3782e+01, 5.1308e-02, 5.4169e-01],  
[9.4908e-03, 1.8535e-08, 1.5076e-03],  
[5.9806e-01, 8.7382e-05, 4.3325e-02],  
[1.3532e-01, 2.6074e-06, 1.4700e-02],  
[1.6400e+01, 2.3033e-02, 6.4801e-01],  
[9.3391e-01, 2.6834e-04, 1.0717e-01],  
[1.7769e+02, 3.5532e+00, 3.1973e+00],  
[1.3123e+00, 2.2028e-04, 1.5323e-01],  
[1.4074e+02, 5.9529e+00, 4.4864e+00],  
[1.6642e-02, 3.8357e-07, 2.4294e-03],  
[1.2211e+02, 1.5947e-01, 4.1325e+00],  
[1.0309e+00, 1.2358e-04, 7.8845e-02],  
[1.7446e+02, 3.9393e+00, 3.5791e+00],  
[1.0501e+02, 5.6760e-01, 4.0968e+00],  
[1.3591e-03, 7.7560e-10, 2.2130e-04],  
[1.2915e+01, 3.1374e-02, 7.0318e-01],  
[9.5021e+00, 1.4845e-02, 4.9968e-01],  
[2.4540e+00, 1.7399e-04, 1.0784e-01],  
[7.5361e-01, 6.6595e-05, 6.4377e-02],  
[1.3749e+02, 2.8078e+00, 3.6617e+00],  
[4.0917e-02, 1.2318e-06, 5.4014e-03],  
[1.9160e+02, 1.6502e+00, 3.3115e+00],  
[1.5496e+02, 1.0137e+00, 4.0401e+00],  
[3.4624e+01, 1.0570e-01, 1.2006e+00],  
[1.6121e+01, 1.7141e-02, 9.7032e-01],  
[1.2363e+02, 1.0071e+00, 2.2449e+00],  
[4.5051e-01, 7.4451e-05, 4.5364e-02],  
[4.9326e+00, 2.1210e-03, 3.3164e-01],  
[2.2227e-01, 2.4754e-05, 2.3468e-02],  
[2.0730e-01, 4.3948e-06, 2.6932e-02],  
[6.8729e-01, 2.0985e-04, 5.3838e-02],  
[5.5020e+01, 4.6178e-02, 2.1950e+00],  
[3.5681e-01, 4.8724e-05, 3.3697e-02],  
[1.0300e+02, 2.0866e+00, 2.3887e+00],  
[1.3720e+01, 3.7034e-03, 7.1976e-01],

[9.8740e+00, 7.5658e-03, 4.7796e-01],  
[1.0826e+00, 4.1680e-04, 9.1498e-02],  
[1.9432e+01, 9.6393e-02, 1.6739e+00],  
[1.4797e+02, 4.1109e+00, 4.3050e+00],  
[3.8738e+00, 1.0913e-04, 2.3413e-01],  
[3.8451e+00, 2.4546e-03, 2.0570e-01],  
[1.0606e+01, 4.6814e-02, 8.5581e-01],  
[7.0021e-01, 9.2914e-05, 5.2047e-02],  
[6.3711e+00, 3.0585e-03, 2.9115e-01],  
[2.2971e+01, 2.8424e-02, 6.4267e-01],  
[8.6424e-01, 1.5704e-04, 6.7419e-02],  
[3.1135e+01, 4.6832e-02, 1.1705e+00],  
[6.8996e+00, 2.3305e-02, 6.5123e-01],  
[2.4857e+02, 1.8563e-01, 4.8804e+00],  
[1.5440e+00, 1.4285e-03, 1.2823e-01],  
[2.5443e+00, 3.7828e-03, 1.9595e-01],  
[2.6090e+01, 1.1991e-01, 7.2614e-01],  
[3.7667e+01, 1.2673e-01, 2.3634e+00],  
[6.6505e+01, 1.0240e+00, 1.9198e+00],  
[2.6796e+01, 5.5179e-02, 7.9798e-01],  
[8.0153e+00, 1.8685e-02, 6.0286e-01],  
[1.9190e+01, 4.5773e-02, 6.4905e-01],  
[1.4656e+02, 2.9685e+00, 4.2081e+00],  
[1.3067e+02, 2.6869e+00, 2.8176e+00],  
[7.1788e+01, 2.1375e+00, 3.0671e+00],  
[2.7303e-01, 2.1649e-05, 2.3593e-02],  
[5.6054e+00, 7.1730e-03, 6.0026e-01],  
[9.0828e-03, 3.8291e-08, 1.3885e-03],  
[1.0207e+02, 5.3552e-01, 2.2242e+00],  
[3.6600e+00, 2.3809e-03, 2.0523e-01],  
[9.8152e-01, 2.0554e-04, 9.5491e-02],  
[1.1510e+01, 6.4527e-03, 5.0701e-01],  
[1.2266e+02, 2.4919e+00, 3.9523e+00],  
[8.4620e+01, 9.0809e-01, 1.9699e+00],  
[6.3353e+01, 2.9685e-01, 1.2638e+00],  
[6.1415e+01, 5.6556e-01, 2.2153e+00],  
[1.8631e-03, 2.1215e-09, 2.9677e-04],  
[1.3900e+00, 1.8643e-04, 9.7014e-02],  
[5.0566e+01, 3.6106e-01, 1.7404e+00],  
[2.0145e+01, 1.8470e-01, 1.3276e+00],  
[2.0837e+01, 9.4623e-02, 7.4336e-01],  
[3.6384e+01, 3.6663e-01, 1.3173e+00],  
[2.7842e+00, 2.9995e-03, 2.8711e-01],  
[1.3731e+00, 1.0675e-03, 1.4020e-01],  
[7.6708e+01, 6.0722e-01, 2.2947e+00],  
[2.3818e+02, 7.2687e+00, 4.4796e+00],  
[1.1648e+00, 3.4918e-04, 1.2241e-01],  
[1.4363e+00, 2.0505e-03, 1.7728e-01],

[1.4028e+02, 5.1344e+00, 3.5064e+00],  
[2.6564e-02, 5.2370e-08, 3.8951e-03],  
[1.2960e+02, 9.3710e-01, 3.3385e+00],  
[2.5832e-02, 8.2987e-08, 3.7450e-03],  
[1.5684e-01, 3.5061e-06, 2.1820e-02],  
[6.0666e+01, 7.2701e-01, 1.4563e+00],  
[1.5482e+02, 3.0316e+00, 3.4288e+00],  
[1.3216e-02, 2.7552e-09, 1.9627e-03],  
[4.5845e+00, 5.7769e-03, 4.7535e-01],  
[5.6513e+01, 8.3391e-02, 2.4328e+00],  
[8.6822e+00, 5.3704e-02, 8.0649e-01],  
[9.3187e-02, 1.1693e-06, 1.3335e-02],  
[9.6083e-01, 2.8371e-05, 8.0218e-02],  
[6.1740e+00, 5.4177e-03, 3.7110e-01],  
[5.3307e+01, 3.8877e-01, 1.1781e+00],  
[4.3048e-02, 4.7987e-07, 5.8604e-03],  
[3.0466e+01, 3.9021e-01, 1.3260e+00],  
[9.1490e-01, 2.9680e-04, 6.7771e-02],  
[1.4732e+01, 1.7638e-02, 4.4190e-01],  
[2.0742e+00, 2.3993e-04, 1.7970e-01],  
[2.2129e-04, 1.1343e-11, 3.6487e-05],  
[6.0142e+00, 3.8411e-03, 4.0377e-01],  
[8.8959e+01, 1.5146e+00, 2.2777e+00],  
[2.1654e+01, 1.1052e-02, 1.1324e+00],  
[1.4244e+00, 1.9335e-04, 9.8381e-02],  
[7.9029e+01, 2.4037e-01, 2.5850e+00],  
[6.9713e-01, 1.9612e-04, 6.7167e-02],  
[2.3198e+02, 3.6955e+00, 3.5789e+00],  
[8.5866e-02, 1.1184e-06, 1.2474e-02],  
[3.7459e+01, 8.5491e-02, 1.7108e+00],  
[4.4147e+01, 1.3494e-01, 2.1274e+00],  
[1.2533e+01, 2.4059e-02, 7.9955e-01],  
[4.4717e+01, 1.0959e-01, 1.5788e+00],  
[2.8754e-01, 5.4823e-05, 3.5184e-02],  
[6.5680e+00, 1.9378e-02, 5.6998e-01],  
[3.6789e+01, 2.7025e-01, 1.7942e+00],  
[1.9691e+02, 2.2932e+00, 4.6120e+00],  
[1.3504e+01, 2.5527e-02, 6.4779e-01],  
[1.3579e+00, 1.4675e-03, 1.6801e-01],  
[3.3445e+00, 9.7712e-03, 3.5448e-01],  
[3.5917e+00, 2.4382e-03, 2.4027e-01],  
[9.1922e+00, 1.2152e-02, 3.7710e-01],  
[3.8396e+00, 1.7559e-03, 2.5680e-01],  
[6.1490e+01, 8.0246e-01, 2.1234e+00],  
[2.3874e+00, 1.6618e-03, 2.8212e-01],  
[7.0370e+01, 2.2643e-01, 2.2444e+00],  
[8.7464e-02, 7.6126e-07, 1.2115e-02],  
[7.1109e+01, 4.5526e-01, 1.4105e+00],

[2.8120e+00, 3.5566e-04, 1.8247e-01],  
[1.3002e+01, 5.9671e-03, 9.3240e-01],  
[2.0661e-03, 6.1835e-10, 3.3489e-04],  
[8.4632e+01, 4.9471e-01, 2.5251e+00],  
[6.8742e+00, 3.1333e-03, 3.7813e-01],  
[3.6431e-01, 1.1373e-05, 3.2147e-02],  
[1.6444e-01, 1.0002e-05, 1.9142e-02],  
[1.3719e+01, 6.1389e-02, 6.8774e-01],  
[2.1722e+01, 2.2938e-02, 7.3114e-01],  
[2.6767e-01, 3.9320e-05, 2.8947e-02],  
[5.0142e+01, 3.4810e-01, 1.6538e+00],  
[6.1840e-01, 5.2375e-05, 5.0028e-02],  
[1.9378e+01, 6.2762e-02, 7.0190e-01],  
[1.9130e+01, 3.4072e-02, 1.3466e+00],  
[1.8684e-01, 6.3661e-06, 2.1507e-02],  
[1.5488e+00, 6.5988e-04, 1.3314e-01],  
[8.5183e-02, 2.8505e-06, 1.0208e-02],  
[2.4730e+00, 3.0099e-03, 1.9934e-01],  
[6.5241e-02, 1.7356e-06, 9.4650e-03],  
[9.9502e+01, 4.9687e-01, 3.7208e+00],  
[5.0101e-02, 1.2040e-07, 6.7006e-03],  
[7.3123e+00, 1.3972e-02, 4.6746e-01],  
[1.2795e+01, 3.0103e-02, 5.3937e-01],  
[2.2734e-01, 1.4206e-05, 2.6156e-02],  
[8.2633e-01, 2.4577e-04, 6.2150e-02],  
[1.8035e+01, 1.3160e-01, 9.9797e-01],  
[3.8932e+01, 5.7384e-01, 1.6913e+00],  
[1.7347e+02, 6.4329e-01, 2.8648e+00],  
[8.1021e+01, 1.4260e+00, 3.4531e+00],  
[1.7971e+02, 1.8398e+00, 3.2549e+00],  
[4.6159e+01, 2.4259e-01, 1.9203e+00],  
[5.8336e+01, 8.4635e-02, 3.0395e+00],  
[1.1991e+02, 2.2573e+00, 2.6367e+00],  
[1.0002e+00, 1.6185e-05, 6.0876e-02],  
[4.8108e+01, 9.2926e-01, 2.3099e+00],  
[2.8840e+00, 6.4469e-04, 1.9027e-01],  
[1.4342e+02, 7.2070e-01, 3.6190e+00],  
[1.0299e+00, 7.2179e-05, 6.4043e-02],  
[4.8618e+01, 6.6472e-01, 1.2402e+00],  
[2.3665e+00, 4.7763e-04, 1.1614e-01],  
[3.2408e+01, 5.3209e-02, 2.3906e+00],  
[5.0178e-01, 1.0859e-04, 6.8880e-02],  
[6.0016e+01, 8.3825e-01, 3.1473e+00],  
[2.3374e+00, 1.4710e-03, 1.7932e-01],  
[9.1844e-02, 8.2249e-06, 1.2973e-02],  
[1.2142e+02, 4.3330e-01, 3.5791e+00],  
[2.1855e+01, 1.4966e-01, 1.4577e+00],  
[4.3492e-01, 2.1333e-05, 3.4798e-02],

[2.5286e+00, 3.0898e-03, 2.7779e-01],  
 [8.0504e+01, 1.7293e-01, 1.8946e+00],  
 [4.6676e-01, 3.4759e-05, 3.8118e-02],  
 [2.7166e+00, 1.9835e-03, 1.5267e-01],  
 [1.4427e+01, 4.2983e-02, 1.0860e+00],  
 [5.2028e-01, 4.7709e-05, 4.1513e-02],  
 [1.7427e+02, 4.8896e+00, 4.1346e+00],  
 [1.6678e+00, 8.3259e-04, 1.3486e-01],  
 [1.2439e+02, 1.2357e+00, 2.7089e+00],  
 [2.0681e+00, 1.3992e-03, 2.2195e-01],  
 [6.6507e+01, 6.3831e-01, 3.5972e+00],  
 [1.6199e+01, 2.0320e-02, 5.3888e-01],  
 [4.0377e+01, 1.6263e-01, 1.5140e+00],  
 [4.3623e+01, 2.2056e-01, 9.0204e-01],  
 [7.9022e+00, 2.6086e-02, 4.8511e-01],  
 [9.1478e-01, 4.3405e-05, 7.1975e-02],  
 [3.1426e+01, 2.8019e-01, 9.7017e-01],  
 [1.5370e+02, 1.8579e+00, 4.1126e+00],  
 [2.7471e+02, 6.3522e+00, 4.8532e+00],  
 [1.2590e+01, 5.8544e-02, 6.9289e-01],  
 [5.0348e+01, 6.1220e-01, 1.6111e+00],  
 [1.1064e+01, 6.0126e-03, 9.9818e-01],  
 [1.8301e+02, 2.5742e+00, 3.3132e+00],  
 [7.0368e+00, 8.9937e-03, 4.5521e-01],  
 [1.0712e+01, 2.0642e-03, 6.6983e-01],  
 [7.4306e+00, 7.8067e-03, 6.8415e-01],  
 [1.3980e+01, 4.1887e-02, 7.5247e-01],  
 [1.6793e+02, 5.4906e+00, 4.0846e+00],  
 [3.4056e+01, 2.1059e-01, 1.3169e+00],  
 [6.9584e+00, 5.4245e-03, 3.9857e-01],  
 [5.3276e-02, 1.6839e-06, 7.2546e-03],  
 [4.0471e+00, 8.6168e-04, 2.8085e-01],  
 [1.7745e+02, 5.9358e+00, 4.2323e+00],  
 [1.9786e+00, 1.3704e-03, 2.0970e-01],  
 [1.9147e+00, 2.4853e-04, 1.6869e-01],  
 [1.2590e+00, 1.9293e-04, 7.5690e-02],  
 [5.6632e+01, 7.8220e-01, 1.6117e+00],  
 [9.8068e-02, 1.8380e-06, 1.3136e-02],  
 [4.9774e-02, 2.5467e-06, 7.3455e-03],  
 [2.2780e-01, 1.2952e-06, 2.4723e-02],  
 [1.1952e+02, 5.7442e-02, 4.3301e+00],  
 [1.2838e+01, 9.0455e-03, 6.1803e-01],  
 [5.3864e+01, 4.3581e-01, 1.8349e+00],  
 [1.0314e+02, 1.9199e+00, 3.5147e+00],  
 [1.0507e-01, 5.8381e-06, 1.3000e-02],  
 [2.7053e-01, 1.5745e-05, 2.8576e-02],  
 [1.4372e+02, 2.4347e-01, 2.9172e+00],  
 [9.8738e-01, 1.5206e-04, 1.0336e-01],

```

[2.6908e-01, 4.6698e-05, 3.3806e-02],
[8.9102e+00, 1.5699e-02, 6.3097e-01],
[1.0906e+02, 7.7614e-01, 2.2328e+00],
[2.0860e-01, 6.1764e-06, 2.4543e-02],
[9.0775e-03, 1.6205e-08, 1.4380e-03],
[8.9767e+00, 5.9250e-03, 4.1606e-01],
[7.5406e+00, 8.7009e-04, 2.8891e-01],
[3.1964e+01, 2.4924e-01, 2.0632e+00],
[2.5336e+01, 3.2874e-01, 1.5006e+00],
[8.0363e+00, 3.5231e-03, 3.8472e-01],
[1.9581e+00, 1.0621e-03, 1.5019e-01],
[3.5916e+01, 1.3419e-01, 1.5936e+00],
[5.1793e-01, 2.1899e-05, 4.0667e-02],
[4.3352e-01, 1.4870e-05, 4.7208e-02],
[4.7420e+01, 3.6195e-02, 1.1201e+00],
[5.7267e+01, 9.8190e-01, 2.5852e+00],
[7.7315e+01, 1.9542e+00, 2.6604e+00],
[1.2323e+02, 2.1470e+00, 3.2976e+00],
[3.2320e-01, 4.8193e-05, 3.8225e-02],
[7.7646e-03, 1.0189e-08, 1.2289e-03],
[1.2296e+01, 1.7185e-02, 5.0890e-01],
[3.5957e+01, 1.7835e-01, 1.2162e+00],
[1.9888e+00, 5.4120e-04, 1.1914e-01],
[1.0185e+00, 2.6802e-04, 1.0792e-01],
[1.1258e+02, 4.5551e+00, 4.1889e+00],
[4.4725e+00, 9.5616e-03, 3.5575e-01],
[1.5198e-01, 6.6849e-06, 1.9483e-02],
[1.8781e+00, 5.2148e-04, 1.5520e-01],
[3.0080e+00, 4.1332e-03, 2.5703e-01],
[5.2307e+01, 2.2031e-01, 1.0226e+00],
[2.2201e+01, 1.2808e-01, 1.0592e+00],
[9.6070e+01, 1.2180e-01, 3.0353e+00],
[4.5683e+01, 7.6454e-01, 2.9010e+00],
[4.7803e-01, 1.1038e-04, 6.6025e-02],
[3.4880e-01, 3.2070e-05, 3.2669e-02],
[3.6772e+01, 1.3069e-01, 2.0127e+00],
[5.2926e-01, 1.7850e-04, 5.8654e-02],
[8.3332e-02, 6.0381e-07, 1.1466e-02],
[4.9504e+00, 6.2418e-04, 3.1941e-01],
[1.6387e+01, 1.3782e-01, 1.1315e+00],
[1.7339e-01, 8.7331e-06, 2.4211e-02],
[4.8825e+01, 3.1587e-01, 2.3266e+00],
[2.6779e+01, 9.8016e-02, 1.4290e+00],
[1.4672e-01, 1.6892e-06, 1.5573e-02]], dtype=torch.float64)

```

Iteration: 214

```

Inputs: tensor([[1.5075e+19, 2.9507e+02, 1.9955e+01, 2.5699e+00],
               [1.0769e+19, 3.0816e+02, 1.3367e+00, 9.6555e+00],
               [5.5658e+18, 6.8410e+01, 1.9501e+01, 6.0459e+00],

```

```

...,
[1.9216e+20, 1.0667e+02, 1.5503e+00, 8.9858e+00],
[1.7400e+19, 1.7349e+02, 4.1550e+00, 5.5255e+00],
[4.9043e+18, 4.2600e+02, 2.9873e+00, 3.7496e+00]], dtype=torch.float64)
Target: tensor([[9.8332e-01, 2.2752e-04, 1.0927e-01],
[8.0092e+00, 7.8571e-03, 3.1608e-01],
[4.6090e-02, 2.1797e-06, 6.8364e-03],
[4.0481e+01, 1.1622e-01, 1.3130e+00],
[2.6222e-01, 2.5163e-05, 4.0431e-02],
[1.2202e+02, 2.6424e-01, 2.8544e+00],
[9.9054e+01, 1.9072e-01, 2.2190e+00],
[1.6158e+01, 1.2851e-02, 6.1976e-01],
[6.7580e-01, 2.3140e-04, 7.6213e-02],
[5.6648e+00, 4.1252e-03, 3.6428e-01],
[1.3897e+02, 8.1077e-01, 3.5754e+00],
[1.5392e+01, 5.4923e-02, 7.3532e-01],
[5.7926e+01, 1.0827e+00, 2.9715e+00],
[2.4758e+00, 1.2843e-03, 2.6555e-01],
[6.0722e-01, 1.3683e-04, 6.3568e-02],
[4.5469e-02, 1.7883e-06, 6.5334e-03],
[8.1367e+00, 2.3060e-02, 5.6626e-01],
[4.2183e+01, 7.2391e-01, 1.8369e+00],
[2.2632e+01, 5.4221e-02, 7.7752e-01],
[1.2357e+02, 1.4205e+00, 3.5712e+00],
[7.7342e+01, 1.8862e+00, 2.9867e+00],
[1.4336e+00, 1.8776e-04, 1.2458e-01],
[6.3633e-01, 5.9934e-04, 8.1685e-02],
[3.3733e+00, 1.3176e-03, 2.4747e-01],
[9.5887e-01, 1.2986e-04, 6.9840e-02],
[3.7938e-01, 8.1150e-05, 4.3681e-02],
[8.0032e+00, 1.8156e-02, 7.3018e-01],
[3.6136e-01, 4.1454e-05, 4.9975e-02],
[8.7165e+00, 7.2965e-03, 6.5110e-01],
[1.6596e+01, 2.5879e-02, 8.6903e-01],
[2.6201e+01, 2.1982e-02, 1.0117e+00],
[1.8843e+01, 2.0715e-01, 1.2715e+00],
[1.2199e+02, 2.0227e+00, 2.8018e+00],
[2.0291e+00, 7.0624e-04, 1.4256e-01],
[1.2915e+01, 1.4615e-02, 7.8280e-01],
[5.9085e+01, 2.4903e-01, 3.1819e+00],
[3.4006e+01, 4.0268e-01, 1.3807e+00],
[2.6893e+01, 1.6529e-01, 1.3014e+00],
[1.6575e+00, 1.5543e-03, 1.2761e-01],
[3.3456e-02, 4.6712e-07, 4.8288e-03],
[2.1933e+01, 3.0904e-02, 1.3613e+00],
[9.0927e-02, 6.1666e-06, 1.1242e-02],
[7.3087e-01, 2.2647e-05, 9.3031e-02],
[1.1123e+01, 6.7156e-02, 7.4206e-01],

```

[9.2114e+01, 1.2101e-01, 1.9040e+00],  
[2.0992e-03, 8.8409e-10, 3.3688e-04],  
[9.6930e+01, 2.6664e+00, 3.4413e+00],  
[6.4926e-02, 3.0139e-06, 8.1578e-03],  
[5.9581e+01, 6.8077e-01, 1.6120e+00],  
[6.7871e-01, 2.4722e-04, 6.8471e-02],  
[1.0066e+02, 1.6247e+00, 2.4549e+00],  
[1.1679e+01, 1.3917e-02, 5.4266e-01],  
[9.3226e-01, 1.0347e-05, 8.3207e-02],  
[3.0608e-01, 5.3577e-06, 2.7802e-02],  
[5.0378e+00, 8.1622e-03, 3.1398e-01],  
[1.1667e+02, 8.5670e-01, 4.1940e+00],  
[2.9069e+01, 5.7114e-02, 1.8020e+00],  
[1.7652e+01, 1.0054e-01, 9.3910e-01],  
[3.5576e+00, 2.2601e-03, 2.5462e-01],  
[4.4569e+00, 8.8813e-04, 5.3832e-01],  
[5.8259e+01, 6.2152e-01, 1.6530e+00],  
[9.0968e+01, 1.5178e-01, 3.2080e+00],  
[5.3755e+01, 5.2216e-01, 1.8079e+00],  
[4.3330e-03, 1.1099e-08, 6.7548e-04],  
[3.2475e+01, 1.0587e-01, 1.3377e+00],  
[1.5348e+00, 3.1874e-04, 1.0353e-01],  
[3.0721e-01, 4.4759e-05, 3.0488e-02],  
[8.1134e-02, 2.8476e-06, 1.1943e-02],  
[3.0311e+00, 1.2253e-03, 2.2296e-01],  
[1.5209e-01, 7.8830e-06, 1.7042e-02],  
[9.7517e+01, 2.7963e-01, 2.7385e+00],  
[9.1059e+01, 1.5158e+00, 2.4048e+00],  
[2.0352e+02, 5.1141e+00, 4.0888e+00],  
[2.0358e+01, 7.3377e-02, 9.5551e-01],  
[6.3936e-01, 5.0909e-05, 6.6402e-02],  
[2.1783e+01, 7.7332e-02, 7.8785e-01],  
[4.7242e+01, 5.7384e-02, 1.9822e+00],  
[3.5283e+01, 2.2635e-01, 2.0556e+00],  
[4.5423e+01, 1.4023e-02, 1.5638e+00],  
[2.0785e+01, 1.9632e-01, 1.8623e+00],  
[4.3363e+01, 1.1763e-01, 1.2212e+00],  
[3.3991e-01, 1.6987e-05, 4.1144e-02],  
[9.1512e+01, 1.0850e+00, 1.7611e+00],  
[7.8877e+01, 3.9861e-01, 1.6179e+00],  
[1.0399e+01, 5.6702e-02, 9.5481e-01],  
[6.0505e+01, 2.1937e-01, 1.6708e+00],  
[1.6357e+01, 8.3552e-02, 1.0167e+00],  
[9.3723e+00, 2.3377e-02, 6.2249e-01],  
[3.0806e+01, 2.4457e-02, 1.0567e+00],  
[3.7364e-03, 1.2401e-08, 5.8360e-04],  
[5.4923e+01, 9.2238e-02, 2.8459e+00],  
[7.4380e+00, 2.3925e-03, 5.7576e-01],



[6.5792e-02, 8.8728e-07, 8.7320e-03],  
 [1.7985e+01, 2.4417e-02, 8.1382e-01],  
 [2.8428e+02, 5.8537e+00, 4.0229e+00],  
 [1.7672e+00, 5.7006e-05, 1.5645e-01],  
 [3.7279e+00, 1.0436e-03, 3.0006e-01],  
 [6.3978e+01, 1.0432e+00, 2.4987e+00],  
 [8.9576e-01, 8.1494e-04, 9.5587e-02],  
 [2.2525e-01, 4.3234e-05, 2.4704e-02],  
 [1.9787e+01, 1.2266e-01, 9.1508e-01],  
 [5.3860e+00, 5.4859e-03, 2.4949e-01],  
 [1.4934e+02, 4.3254e+00, 2.9597e+00],  
 [3.2712e+01, 4.0465e-01, 1.9744e+00],  
 [1.1222e+00, 3.5939e-04, 1.2898e-01],  
 [4.7315e-03, 4.9034e-09, 7.4745e-04],  
 [4.2076e+01, 2.7426e-01, 1.3352e+00],  
 [7.0959e+00, 1.2536e-02, 4.9700e-01],  
 [9.4613e+01, 1.2058e+00, 1.9621e+00],  
 [1.9409e+02, 2.3920e+00, 3.6524e+00],  
 [1.8934e+02, 4.2707e+00, 3.2054e+00],  
 [2.6282e+01, 1.7144e-01, 1.7883e+00],  
 [3.1797e+00, 1.4595e-03, 1.9795e-01],  
 [1.1332e+01, 3.5767e-02, 8.5549e-01],  
 [9.9987e+00, 3.3343e-02, 4.3639e-01],  
 [1.9201e+00, 2.9455e-04, 1.5883e-01],  
 [1.9630e+01, 6.2864e-02, 7.9753e-01],  
 [4.7526e+00, 1.3205e-02, 4.2067e-01],  
 [5.3828e+00, 5.7139e-03, 5.3874e-01],  
 [1.0940e+02, 1.5785e+00, 3.4763e+00],  
 [1.6397e+02, 8.8483e-01, 4.1619e+00],  
 [1.3384e+00, 7.0223e-05, 1.2531e-01],  
 [1.8426e+00, 1.7850e-03, 1.7483e-01],  
 [5.5510e+01, 3.4443e-01, 1.4073e+00],  
 [1.0039e+00, 2.5990e-04, 1.1065e-01],  
 [4.6760e-01, 3.3550e-05, 5.4785e-02],  
 [9.3832e+00, 1.4397e-02, 8.4557e-01],  
 [3.2839e+01, 1.4519e-01, 1.6954e+00],  
 [6.2879e+01, 1.2289e-01, 3.1050e+00],  
 [1.1971e+02, 1.3756e+00, 3.3000e+00],  
 [1.7177e+00, 1.6056e-03, 1.4208e-01],  
 [1.1289e+00, 2.3755e-04, 1.1213e-01],  
 [1.6428e+00, 9.6583e-04, 1.1663e-01],  
 [8.9181e+00, 2.0961e-02, 4.8851e-01],  
 [1.1058e+01, 1.9522e-02, 5.1762e-01],  
 [6.1426e+00, 1.2740e-03, 6.0789e-01],  
 [2.4395e+00, 5.4057e-04, 2.3813e-01],  
 [5.4280e+01, 5.0752e-02, 1.2209e+00],  
 [3.5576e+00, 1.0242e-03, 3.7732e-01],  
 [2.4750e+01, 1.7444e-01, 1.0277e+00],

[5.6202e-01, 1.8256e-04, 5.2127e-02],  
[2.2041e+02, 4.2560e+00, 3.9572e+00],  
[1.3786e+00, 1.2774e-03, 1.2797e-01],  
[7.2213e+01, 5.5592e-01, 2.7316e+00],  
[2.0402e+01, 2.5566e-01, 1.3810e+00],  
[8.0127e+01, 1.1385e+00, 2.0999e+00],  
[2.2530e-01, 3.1751e-05, 2.4766e-02],  
[6.3645e+00, 3.0684e-03, 2.8792e-01],  
[9.9282e+00, 1.0387e-02, 3.5308e-01],  
[1.6127e-02, 1.5695e-07, 2.5087e-03],  
[8.4128e+01, 1.6950e+00, 2.3209e+00],  
[3.8950e+01, 4.0231e-01, 1.6005e+00],  
[8.0241e+01, 1.2125e+00, 2.3964e+00],  
[5.7848e+00, 3.1168e-03, 2.6175e-01],  
[1.7548e+02, 1.5531e+00, 2.7578e+00],  
[3.5137e+01, 6.5764e-02, 1.2505e+00],  
[1.0391e-01, 4.8352e-06, 1.3004e-02],  
[2.2643e-01, 2.7199e-06, 2.5660e-02],  
[7.5751e+00, 6.5460e-03, 4.0573e-01],  
[2.5399e+01, 3.4273e-02, 8.1898e-01],  
[3.1641e-01, 7.1821e-05, 3.6514e-02],  
[3.6212e+00, 1.0285e-03, 3.3635e-01],  
[1.2082e+02, 1.9497e+00, 2.0674e+00],  
[1.0910e+00, 1.5383e-04, 1.1316e-01],  
[4.9435e+00, 8.1843e-03, 3.1387e-01],  
[7.0710e-01, 1.4590e-04, 4.9664e-02],  
[8.2784e+01, 1.0726e+00, 1.9389e+00],  
[2.1675e+01, 1.3638e-01, 7.2403e-01],  
[3.1568e+01, 1.4385e-01, 1.1412e+00],  
[2.9486e+01, 1.5695e-01, 1.2013e+00],  
[2.8054e-02, 4.6918e-07, 3.9000e-03],  
[2.9278e+01, 1.7351e-02, 7.1901e-01],  
[9.5305e-04, 7.2540e-10, 1.5376e-04],  
[1.1662e-02, 2.5476e-08, 1.7436e-03],  
[5.0775e+00, 1.5169e-02, 5.1694e-01],  
[4.6330e+00, 2.3962e-03, 2.2724e-01],  
[6.6322e-01, 6.3267e-05, 7.0031e-02],  
[2.4230e-01, 1.6209e-05, 2.7479e-02],  
[2.0869e-01, 2.5961e-05, 2.4021e-02],  
[4.2645e+00, 5.1832e-03, 2.6593e-01],  
[7.5710e-01, 1.8568e-04, 5.7261e-02],  
[1.1812e+00, 3.3632e-04, 1.0534e-01],  
[3.8883e-04, 5.5160e-11, 6.3815e-05],  
[1.4623e+01, 5.0270e-02, 5.5617e-01],  
[6.1590e-02, 7.1792e-07, 9.0402e-03],  
[3.4727e+01, 3.1760e-01, 2.3317e+00],  
[2.8323e+01, 6.3088e-02, 9.4887e-01],  
[1.7726e+01, 5.4589e-02, 6.4160e-01],

[2.0356e+01, 1.6191e-02, 9.7432e-01],  
[5.0631e+01, 4.2628e-01, 1.1026e+00],  
[1.4356e+01, 2.0484e-02, 5.5088e-01],  
[6.5028e+00, 3.9754e-03, 2.7915e-01],  
[4.4952e+01, 3.0149e-01, 2.7235e+00],  
[3.7729e-03, 1.7057e-08, 5.9436e-04],  
[8.1163e-01, 6.8262e-05, 4.8984e-02],  
[5.4135e-02, 3.0738e-06, 7.5516e-03],  
[1.9474e+01, 1.5119e-01, 1.1737e+00],  
[1.7605e+00, 5.6906e-04, 1.0419e-01],  
[6.7109e+00, 4.1709e-03, 6.1446e-01],  
[2.4321e-01, 2.2099e-05, 2.5697e-02],  
[6.8888e+01, 8.2674e-01, 2.1233e+00],  
[1.7512e+01, 1.9449e-01, 1.6078e+00],  
[1.4152e+01, 9.2886e-03, 4.3006e-01],  
[8.3173e+01, 5.0357e-01, 2.4857e+00],  
[4.5870e+00, 3.8472e-03, 3.3446e-01],  
[1.3862e-01, 2.9672e-06, 1.7974e-02],  
[3.4200e+01, 6.1867e-02, 9.3096e-01],  
[6.7892e+00, 1.6101e-02, 3.5488e-01],  
[8.8326e-01, 2.1483e-05, 9.8124e-02],  
[1.1430e+01, 2.2599e-02, 5.3267e-01],  
[1.6015e+01, 5.5152e-03, 1.0724e+00],  
[4.2335e-01, 2.2476e-05, 5.1404e-02],  
[3.7579e+01, 1.6996e-01, 9.0202e-01],  
[2.8728e+00, 1.9172e-03, 1.8821e-01],  
[6.6042e+00, 6.5071e-03, 4.9247e-01],  
[1.5645e+00, 9.0229e-04, 1.5522e-01],  
[2.9891e+01, 2.4973e-01, 2.1647e+00],  
[7.8113e-01, 2.1397e-04, 7.8855e-02],  
[2.4667e-01, 1.2713e-05, 3.0321e-02],  
[2.1752e+02, 1.5261e+00, 4.4088e+00],  
[3.6741e-02, 2.5536e-07, 5.6105e-03],  
[2.7250e+02, 7.6994e+00, 4.7356e+00],  
[4.3898e+00, 4.4031e-03, 2.6094e-01],  
[1.0594e+01, 1.1311e-02, 4.6015e-01],  
[2.7399e+01, 1.4904e-01, 1.0640e+00],  
[5.9438e+00, 4.7632e-03, 3.9913e-01],  
[5.5095e-01, 2.2703e-06, 4.4309e-02],  
[7.9705e-02, 8.9265e-07, 9.9964e-03],  
[1.0281e+02, 1.1753e+00, 2.5584e+00],  
[1.5527e+01, 1.9023e-02, 6.9880e-01],  
[1.2903e+01, 7.9394e-02, 1.0631e+00],  
[2.8353e+01, 1.2696e-01, 1.6161e+00],  
[7.9240e-01, 1.0168e-04, 1.0801e-01],  
[4.2974e+00, 7.0760e-03, 3.2880e-01],  
[1.0296e+01, 4.3527e-02, 5.9514e-01],  
[2.2289e+01, 4.7305e-02, 1.3578e+00],

[4.1487e+01, 6.0854e-01, 1.5177e+00],  
 [6.1436e-02, 4.8997e-06, 8.7235e-03],  
 [1.0760e+01, 4.3566e-02, 5.5160e-01],  
 [7.2068e+00, 8.9436e-03, 3.5087e-01],  
 [7.1956e+00, 9.7509e-03, 5.2845e-01],  
 [5.7340e+00, 8.7742e-03, 3.5227e-01],  
 [4.1858e+01, 2.8304e-02, 1.8804e+00],  
 [3.2819e+01, 8.9052e-02, 1.3744e+00],  
 [6.8259e+01, 8.3744e-01, 1.8388e+00],  
 [9.9782e-01, 1.3979e-04, 6.5484e-02],  
 [4.7938e-03, 2.5245e-08, 7.4253e-04],  
 [7.4564e+00, 5.9641e-03, 4.8289e-01],  
 [1.2791e-01, 8.5962e-06, 1.7225e-02],  
 [4.1806e+01, 1.4250e-01, 1.2461e+00],  
 [1.7562e+02, 1.5021e+00, 4.7536e+00],  
 [6.8485e+01, 6.5890e-01, 1.6530e+00],  
 [5.5537e+00, 8.1199e-03, 4.7620e-01],  
 [1.5314e-02, 5.6236e-08, 2.3335e-03],  
 [1.6514e-01, 3.1697e-05, 2.2282e-02],  
 [4.4543e-01, 1.1592e-04, 5.9004e-02],  
 [8.9720e-01, 1.2148e-04, 7.3436e-02],  
 [4.4913e+00, 5.6542e-03, 4.0894e-01],  
 [1.5670e-01, 1.2849e-05, 1.7217e-02],  
 [6.8565e+01, 4.7134e-01, 1.7129e+00],  
 [3.3604e+01, 2.9384e-02, 7.5032e-01],  
 [1.4656e+02, 1.8103e+00, 3.7866e+00],  
 [2.0064e+01, 1.5375e-01, 9.0753e-01],  
 [2.8344e+01, 9.1161e-02, 1.9597e+00],  
 [8.1956e-03, 2.4043e-08, 1.2977e-03],  
 [4.1090e+01, 6.6649e-01, 1.7402e+00],  
 [1.2374e+01, 7.5410e-03, 1.3017e+00],  
 [8.1003e+01, 4.1927e-01, 2.5458e+00],  
 [5.7286e+00, 1.2361e-03, 3.7793e-01],  
 [4.3861e+01, 2.3940e-01, 1.4137e+00],  
 [6.9205e-01, 1.2821e-04, 5.2426e-02],  
 [2.4883e+01, 1.9352e-01, 1.0365e+00],  
 [2.3074e+02, 5.2306e+00, 4.6502e+00],  
 [1.0568e+02, 5.9220e-01, 2.3834e+00],  
 [9.3068e-01, 2.8210e-05, 8.6363e-02],  
 [1.2363e-03, 4.0801e-10, 1.9853e-04],  
 [1.6553e+01, 1.1070e-01, 8.3313e-01],  
 [2.7042e-02, 1.5707e-07, 3.9504e-03],  
 [4.1592e-01, 5.1556e-05, 4.4515e-02],  
 [1.4956e+00, 1.0790e-03, 1.3469e-01],  
 [5.6978e-01, 1.0039e-04, 5.5906e-02],  
 [5.1685e+01, 3.2039e-01, 1.0567e+00],  
 [1.0035e+01, 3.7642e-02, 9.4076e-01],  
 [6.8617e-01, 6.3533e-04, 8.9669e-02],

```

[2.8916e+00, 3.9936e-04, 1.3555e-01],
[6.3270e+00, 7.9300e-03, 5.1941e-01],
[4.0628e+01, 1.9379e-01, 1.4557e+00],
[1.6504e+01, 3.7897e-02, 6.8017e-01],
[1.0240e+02, 2.7808e-01, 3.1668e+00],
[3.3684e-01, 2.0714e-05, 3.7318e-02],
[1.3980e+01, 3.5128e-02, 1.2939e+00],
[1.1323e+00, 5.3905e-04, 9.8463e-02],
[2.0323e+01, 1.4940e-01, 1.7514e+00],
[3.6643e+01, 1.1308e-02, 1.1297e+00],
[1.0947e+00, 3.1832e-04, 1.1057e-01],
[4.5240e-02, 4.8055e-07, 6.1685e-03],
[3.6729e+01, 1.8076e-02, 2.3330e+00],
[6.1087e+01, 2.9953e-01, 1.6932e+00],
[1.2517e+00, 1.7745e-04, 8.9840e-02],
[5.7056e+00, 1.0283e-02, 3.0905e-01],
[1.0846e-01, 2.3464e-06, 1.4261e-02],
[2.5529e+00, 7.5143e-04, 1.8229e-01],
[2.9965e-01, 1.1897e-04, 4.0051e-02],
[9.9215e+00, 1.2537e-02, 4.5606e-01],
[6.6717e+00, 7.5298e-03, 4.9808e-01],
[3.8666e+01, 2.0183e-01, 1.4243e+00],
[3.4710e+01, 4.4921e-01, 1.0739e+00],
[3.3941e-01, 5.3823e-05, 3.1775e-02],
[2.6156e+01, 8.8317e-02, 1.0527e+00],
[1.6491e+01, 8.7708e-02, 1.1400e+00],
[1.1959e+02, 2.3636e+00, 2.7274e+00],
[1.9050e+01, 2.9380e-02, 9.4525e-01],
[1.1010e+00, 3.7171e-04, 1.2698e-01],
[6.2483e+01, 3.0882e-01, 1.2816e+00],
[4.6987e+00, 2.6062e-03, 4.1698e-01],
[8.2849e+00, 1.4431e-02, 5.0734e-01],
[5.0736e+00, 9.7189e-03, 3.1929e-01],
[5.0370e+01, 3.5640e-01, 1.8853e+00],
[5.4173e+00, 2.9360e-03, 3.3763e-01],
[2.7936e+00, 2.6243e-04, 1.5126e-01]], dtype=torch.float64)
Iteration: 215
Inputs: tensor([[8.7870e+20, 1.8123e+02, 1.5061e+01, 3.4281e+00],
               [7.2208e+19, 1.5568e+02, 1.1159e+01, 2.8626e+00],
               [7.1379e+18, 2.6169e+02, 7.8189e+00, 1.8305e+00],
               ...,
               [1.1849e+20, 4.5259e+02, 1.8519e+01, 2.8171e+00],
               [1.0442e+18, 4.3553e+02, 1.3345e+01, 3.4038e+00],
               [3.5227e+20, 3.7827e+02, 1.2767e+01, 9.8302e+00]]), dtype=torch.float64)
Target: tensor([[6.5625e+01, 4.9845e-01, 3.5712e+00],
               [7.9567e+00, 8.0885e-03, 6.2801e-01],
               [5.7648e-01, 2.1288e-05, 6.4133e-02],
               [7.3199e-01, 3.4007e-04, 7.7612e-02],

```

[2.6937e-01, 1.7327e-05, 2.9621e-02],  
[3.0930e-01, 6.2407e-05, 3.2899e-02],  
[3.7967e+01, 2.5099e-01, 1.1181e+00],  
[4.2767e-02, 1.0410e-07, 6.1648e-03],  
[2.9848e+01, 7.4985e-02, 8.9825e-01],  
[2.3053e+01, 2.7767e-02, 1.7257e+00],  
[5.0337e+00, 1.9156e-03, 4.3175e-01],  
[1.4925e+01, 7.1495e-02, 9.2452e-01],  
[1.9359e+01, 7.8174e-02, 8.1343e-01],  
[2.2424e+01, 4.6677e-02, 1.5620e+00],  
[3.0209e+01, 5.4933e-01, 2.2522e+00],  
[4.2391e-01, 6.2932e-05, 3.5673e-02],  
[4.7857e-01, 5.3630e-05, 5.4097e-02],  
[1.2641e+00, 9.2419e-04, 1.5149e-01],  
[9.0209e+00, 5.2639e-03, 3.1047e-01],  
[3.5722e-01, 1.4600e-04, 4.3293e-02],  
[1.9659e+01, 8.6767e-03, 6.7153e-01],  
[1.7540e+02, 4.9589e+00, 3.4012e+00],  
[5.0821e+01, 4.9617e-01, 3.1214e+00],  
[2.8116e+01, 2.9373e-02, 1.1515e+00],  
[3.4061e-02, 3.1823e-07, 4.7549e-03],  
[1.0656e+02, 5.0882e-01, 2.1579e+00],  
[8.9888e+01, 3.2299e-01, 1.5605e+00],  
[1.0726e+01, 1.0698e-02, 5.9869e-01],  
[3.7284e+01, 1.1895e-01, 1.6963e+00],  
[6.0818e+01, 9.8275e-02, 1.4326e+00],  
[4.5172e+01, 3.8658e-02, 1.9229e+00],  
[8.0010e+01, 1.3351e+00, 2.4001e+00],  
[2.9741e+01, 1.4280e-01, 7.7499e-01],  
[1.5103e+01, 3.8859e-02, 9.4002e-01],  
[8.1036e+01, 2.6326e-01, 3.6611e+00],  
[1.0427e+01, 1.4012e-02, 7.3560e-01],  
[5.3139e+00, 6.2074e-03, 4.9936e-01],  
[4.4086e-01, 4.9858e-05, 4.3021e-02],  
[1.0890e+01, 1.5602e-03, 3.4790e-01],  
[2.6760e-01, 8.5179e-05, 3.3552e-02],  
[4.1309e+01, 7.5978e-02, 2.5512e+00],  
[4.4823e+01, 4.7533e-01, 1.4315e+00],  
[4.4184e+00, 4.8489e-04, 1.8342e-01],  
[4.3357e-01, 8.8829e-06, 4.6166e-02],  
[8.2469e+01, 1.1752e+00, 3.0404e+00],  
[1.8740e-01, 3.1418e-05, 2.7146e-02],  
[3.8762e-02, 3.6884e-07, 5.1644e-03],  
[1.3850e+02, 5.0529e+00, 3.6679e+00],  
[7.5507e+01, 1.8615e-01, 1.9762e+00],  
[3.1723e-01, 2.4440e-05, 4.1909e-02],  
[5.0786e+00, 1.8352e-03, 2.8494e-01],  
[4.4205e+01, 1.9595e-01, 2.6800e+00],

[2.4882e-02, 8.7447e-08, 3.6803e-03],  
[5.6371e+00, 7.5965e-03, 3.4733e-01],  
[1.6133e+01, 3.1666e-02, 8.3145e-01],  
[7.3682e+00, 1.0050e-02, 3.5675e-01],  
[1.5178e-01, 1.5974e-05, 1.7183e-02],  
[4.4195e-01, 5.9103e-05, 4.0885e-02],  
[5.7346e+00, 2.7898e-04, 3.7890e-01],  
[1.6568e-01, 9.3248e-06, 2.1998e-02],  
[1.5199e+00, 8.9301e-05, 1.5447e-01],  
[1.1855e+01, 1.1684e-02, 9.6808e-01],  
[1.2210e+01, 1.0615e-02, 4.8828e-01],  
[1.1828e+02, 1.4439e+00, 2.4764e+00],  
[1.6830e+00, 3.3023e-04, 1.2761e-01],  
[2.4289e-02, 2.8922e-08, 3.4892e-03],  
[1.3708e-02, 9.0820e-08, 2.0755e-03],  
[5.0049e+00, 1.2476e-03, 4.1634e-01],  
[1.0223e-03, 7.0375e-10, 1.6518e-04],  
[1.4050e+01, 6.5273e-03, 6.5647e-01],  
[3.5585e+01, 1.0258e-01, 1.2010e+00],  
[2.3393e+00, 7.6636e-04, 1.4517e-01],  
[4.6425e+00, 4.6534e-03, 2.8012e-01],  
[1.6139e+01, 1.0998e-01, 7.7735e-01],  
[1.0512e+00, 2.0687e-04, 1.0144e-01],  
[2.9386e+01, 6.3759e-02, 1.8652e+00],  
[4.8691e-01, 9.0532e-05, 6.1371e-02],  
[5.2736e+01, 7.8386e-01, 2.4474e+00],  
[1.3240e+01, 2.9241e-02, 1.2205e+00],  
[9.0623e+00, 8.8543e-03, 6.8805e-01],  
[4.0052e-01, 7.0961e-05, 3.9011e-02],  
[1.0319e+00, 3.0466e-05, 1.0280e-01],  
[1.0413e+02, 1.8597e-01, 4.1660e+00],  
[1.3371e+00, 4.0748e-04, 8.0880e-02],  
[6.5838e-01, 1.0943e-04, 5.9409e-02],  
[1.4149e+01, 6.1733e-02, 8.5337e-01],  
[1.3133e+02, 2.6094e+00, 3.7862e+00],  
[5.8811e+00, 4.4098e-03, 3.1261e-01],  
[4.3713e-01, 2.7641e-04, 5.8919e-02],  
[4.0194e-01, 4.5867e-05, 3.3945e-02],  
[2.5264e+01, 1.0067e-01, 1.3495e+00],  
[6.6301e+01, 4.2808e-01, 1.5915e+00],  
[3.0565e+01, 8.4016e-02, 9.1068e-01],  
[5.0295e+00, 4.1462e-03, 4.0726e-01],  
[3.3324e+01, 1.2398e-01, 1.6605e+00],  
[1.5910e+01, 5.1078e-02, 1.0832e+00],  
[2.5053e+00, 8.5688e-04, 1.9895e-01],  
[5.0319e+00, 2.8929e-03, 3.8597e-01],  
[4.3717e+00, 1.4368e-03, 2.4992e-01],  
[2.2693e+01, 3.4391e-02, 1.5310e+00],

[3.1348e-02, 1.3779e-07, 4.5360e-03],  
[1.9413e+00, 3.6789e-04, 1.1119e-01],  
[5.4665e+01, 6.9275e-01, 2.5557e+00],  
[2.8460e-01, 3.5887e-05, 3.0742e-02],  
[1.0106e+02, 2.1566e-01, 2.3091e+00],  
[2.0030e+00, 9.2252e-04, 1.3635e-01],  
[3.8577e+00, 1.9101e-03, 2.2280e-01],  
[1.0076e+00, 3.2068e-04, 7.9982e-02],  
[7.5580e+01, 1.6794e+00, 2.3241e+00],  
[1.5878e+01, 4.7040e-02, 1.3512e+00],  
[5.4486e+01, 1.9318e-01, 1.7040e+00],  
[1.1022e+01, 1.5436e-02, 1.0463e+00],  
[1.4368e-01, 1.0764e-06, 1.7912e-02],  
[2.2950e+01, 1.1359e-02, 8.4224e-01],  
[1.8891e+00, 1.5461e-03, 1.7110e-01],  
[5.1352e-01, 1.2519e-04, 4.7163e-02],  
[5.3332e-01, 2.0505e-04, 7.2022e-02],  
[1.4424e+01, 7.4223e-02, 1.2389e+00],  
[2.5064e+01, 9.9719e-02, 1.1917e+00],  
[6.1716e+01, 4.1457e-01, 1.7529e+00],  
[5.1249e-01, 3.3618e-05, 5.0988e-02],  
[7.9947e+01, 9.9388e-02, 2.2929e+00],  
[2.5751e-01, 1.2547e-06, 2.4447e-02],  
[4.9500e+01, 2.1230e-01, 1.8544e+00],  
[1.8391e+01, 4.3075e-02, 1.0718e+00],  
[9.2610e+01, 4.5462e-01, 3.2478e+00],  
[3.5944e+00, 2.9457e-03, 3.4123e-01],  
[6.4431e+01, 2.2985e-01, 1.5188e+00],  
[4.6212e+00, 5.3912e-03, 2.9927e-01],  
[9.2444e+01, 1.4101e-01, 3.0481e+00],  
[1.5269e+01, 2.0116e-02, 1.4497e+00],  
[3.8187e+00, 9.2698e-04, 2.0700e-01],  
[7.1527e+01, 3.0536e-01, 3.0444e+00],  
[5.0945e+01, 2.6814e-01, 1.8041e+00],  
[4.2266e+01, 2.4950e-01, 1.2244e+00],  
[1.2558e+01, 2.0697e-02, 7.1314e-01],  
[7.5404e-02, 9.7729e-07, 9.3175e-03],  
[2.4942e+01, 4.8541e-02, 8.1215e-01],  
[8.9628e+01, 2.5848e-01, 3.8875e+00],  
[5.3702e+01, 5.8393e-01, 2.0401e+00],  
[8.4871e+01, 1.1969e+00, 3.8858e+00],  
[1.1402e+01, 2.9292e-02, 6.1416e-01],  
[1.9694e+00, 2.0160e-03, 1.5396e-01],  
[3.0618e+01, 5.0170e-01, 2.2679e+00],  
[4.4105e-02, 1.6039e-07, 6.3684e-03],  
[7.6823e-01, 6.8329e-05, 4.5027e-02],  
[3.1403e+01, 1.3905e-01, 8.8050e-01],  
[1.6502e+02, 1.0113e+00, 4.2411e+00],



[1.3384e+02, 2.1678e+00, 2.8900e+00],  
 [9.4661e-01, 1.4953e-04, 5.7618e-02],  
 [1.3693e-02, 3.4411e-09, 2.0274e-03],  
 [1.3859e+01, 3.5751e-02, 9.2625e-01],  
 [1.3370e+00, 3.2899e-04, 8.9853e-02],  
 [4.2456e-01, 1.8519e-05, 4.6697e-02],  
 [2.7919e+00, 1.6723e-03, 1.8861e-01],  
 [3.9319e-02, 1.7653e-06, 5.3595e-03],  
 [1.5614e+00, 4.3134e-03, 1.9060e-01],  
 [3.5734e+00, 1.3856e-03, 2.4005e-01],  
 [1.4258e+00, 8.0252e-05, 9.3949e-02],  
 [1.3338e+02, 4.9176e+00, 4.3680e+00],  
 [1.9973e+02, 2.8717e+00, 4.5301e+00],  
 [4.8272e-03, 1.2495e-08, 7.6236e-04],  
 [4.9338e-02, 1.9064e-07, 7.0883e-03],  
 [6.0562e-01, 7.1878e-05, 9.0986e-02],  
 [2.3291e+02, 7.6563e+00, 4.0323e+00],  
 [6.6263e-01, 5.4984e-05, 8.9220e-02],  
 [5.2950e+00, 1.0442e-03, 2.9705e-01],  
 [1.4701e+01, 6.5365e-02, 9.2420e-01],  
 [4.9843e+01, 6.9865e-01, 1.3390e+00],  
 [4.4276e+01, 6.0764e-01, 2.1722e+00],  
 [9.2111e-01, 5.2665e-04, 1.0094e-01],  
 [1.4828e+02, 3.3435e+00, 4.5560e+00],  
 [1.2520e+02, 5.5183e+00, 4.5556e+00],  
 [1.7014e-01, 1.6417e-06, 2.1163e-02],  
 [1.7235e+02, 9.1553e-01, 3.0446e+00],  
 [2.5369e+01, 1.7330e-01, 1.6616e+00],  
 [1.3954e+01, 5.0860e-02, 5.5185e-01],  
 [4.8674e+01, 5.4007e-02, 1.0234e+00],  
 [8.8276e-01, 1.4727e-04, 6.6867e-02],  
 [2.5746e+00, 5.7659e-04, 1.9689e-01],  
 [3.5441e+01, 2.6300e-01, 1.3843e+00],  
 [2.8207e+01, 2.0841e-02, 8.3878e-01],  
 [1.9020e+01, 3.2452e-02, 5.5089e-01],  
 [1.1046e-02, 4.2207e-08, 1.7288e-03],  
 [2.7821e+00, 9.3953e-04, 1.5479e-01],  
 [3.5291e-02, 1.0338e-07, 5.1741e-03],  
 [7.6867e-01, 3.0366e-04, 8.7784e-02],  
 [5.1063e+01, 7.4214e-01, 1.8618e+00],  
 [3.7968e+00, 2.1680e-04, 3.4260e-01],  
 [2.4648e-01, 3.2620e-05, 2.6754e-02],  
 [6.8618e-01, 2.7155e-04, 7.4072e-02],  
 [8.7809e-01, 2.5079e-04, 8.5455e-02],  
 [8.9987e-02, 5.8193e-06, 1.2362e-02],  
 [7.2182e+00, 1.8580e-03, 5.2665e-01],  
 [1.5021e+01, 8.3158e-02, 7.4659e-01],  
 [4.7070e+01, 1.0847e-01, 1.0517e+00],

[6.8012e+00, 1.1848e-02, 3.5184e-01],  
[3.2684e+00, 5.3000e-03, 3.2188e-01],  
[7.3927e+01, 3.5518e-01, 3.1741e+00],  
[1.1391e+01, 7.3245e-03, 5.3498e-01],  
[7.5967e-04, 9.3485e-10, 1.2366e-04],  
[3.5729e+01, 8.3822e-02, 2.4367e+00],  
[2.5319e+00, 2.6605e-03, 2.0214e-01],  
[1.1218e+01, 2.0397e-02, 5.6968e-01],  
[2.0668e+00, 2.2797e-03, 1.9942e-01],  
[4.3199e+01, 3.9754e-01, 1.4431e+00],  
[1.1291e+02, 4.7450e-01, 2.9486e+00],  
[1.5788e-02, 1.9992e-07, 2.4021e-03],  
[6.8088e-01, 3.5334e-04, 6.7882e-02],  
[2.3461e+00, 1.3577e-03, 2.9053e-01],  
[3.3285e+00, 1.1248e-03, 2.2981e-01],  
[5.3459e+00, 4.0795e-03, 2.8923e-01],  
[2.9209e+01, 3.2937e-02, 1.1908e+00],  
[1.3874e+01, 5.2937e-02, 5.4778e-01],  
[1.0657e+01, 2.1628e-02, 6.6574e-01],  
[4.3824e+00, 3.4110e-03, 5.3676e-01],  
[6.3336e+01, 8.8749e-01, 2.1826e+00],  
[5.5783e-01, 1.0174e-04, 6.1175e-02],  
[8.0867e+01, 5.6359e-01, 3.1596e+00],  
[5.5438e+01, 2.5562e-01, 1.5422e+00],  
[2.1603e+01, 2.3247e-02, 7.5164e-01],  
[2.2198e+00, 8.2197e-04, 1.4683e-01],  
[7.8212e-02, 7.1671e-07, 1.0132e-02],  
[3.5591e-01, 4.6829e-05, 3.5414e-02],  
[6.6611e+00, 9.3554e-03, 5.1983e-01],  
[3.1876e-01, 4.7221e-05, 3.0662e-02],  
[3.4304e-02, 6.0414e-07, 5.0971e-03],  
[1.9175e+02, 6.1088e+00, 4.2782e+00],  
[9.2077e+01, 1.5613e+00, 2.1723e+00],  
[8.2955e+00, 4.8808e-03, 7.3112e-01],  
[1.6639e+01, 5.1728e-03, 7.8671e-01],  
[1.0558e-01, 9.5722e-06, 1.4787e-02],  
[1.3964e+01, 3.2972e-02, 6.9348e-01],  
[9.6410e-02, 1.1306e-06, 1.2229e-02],  
[5.6494e-02, 1.0900e-06, 7.4123e-03],  
[6.1755e-01, 9.2610e-05, 6.2285e-02],  
[3.0169e+01, 1.7530e-01, 1.0696e+00],  
[1.7140e+01, 2.5590e-02, 1.5355e+00],  
[1.1572e-02, 2.6107e-08, 1.8038e-03],  
[4.1776e+01, 5.2617e-01, 1.4007e+00],  
[1.1319e+01, 3.0333e-03, 4.1933e-01],  
[1.1095e+01, 3.0543e-02, 6.1604e-01],  
[1.7961e+00, 8.3688e-04, 2.0917e-01],  
[1.1763e+01, 5.5006e-03, 6.9826e-01],

[1.0313e-02, 6.9113e-08, 1.5591e-03],  
[1.5188e-01, 6.9051e-06, 1.5930e-02],  
[1.1517e-02, 4.3167e-08, 1.8206e-03],  
[3.4789e+00, 6.3413e-03, 3.4806e-01],  
[1.2876e+01, 2.5687e-02, 1.0222e+00],  
[2.3875e-01, 5.7165e-05, 3.0071e-02],  
[6.9150e+01, 5.3360e-01, 2.6455e+00],  
[2.0202e+01, 4.8237e-02, 7.0001e-01],  
[6.2312e+00, 1.0293e-02, 4.7640e-01],  
[5.0029e-03, 3.1074e-08, 7.9013e-04],  
[2.3188e-01, 2.7228e-05, 2.3881e-02],  
[2.1091e+00, 6.3678e-04, 2.0438e-01],  
[6.6811e+00, 1.6074e-02, 5.9851e-01],  
[1.5620e+00, 2.1613e-04, 1.2828e-01],  
[9.6275e-02, 3.9243e-06, 1.3554e-02],  
[2.1053e+02, 3.3675e+00, 4.7006e+00],  
[1.6060e+02, 7.1004e+00, 4.3324e+00],  
[4.9868e+01, 4.4107e-01, 1.6213e+00],  
[9.9269e+00, 1.6205e-02, 1.0728e+00],  
[2.2489e+01, 3.7752e-02, 8.6264e-01],  
[1.7929e+02, 2.1952e+00, 3.4158e+00],  
[2.2213e+02, 8.3570e+00, 4.1172e+00],  
[7.3810e+00, 9.0401e-03, 6.7348e-01],  
[9.4675e+00, 5.6861e-03, 4.1266e-01],  
[2.9837e+01, 6.2965e-02, 2.2307e+00],  
[7.2661e+00, 4.9576e-03, 5.5924e-01],  
[6.6195e-01, 8.7070e-05, 4.9207e-02],  
[1.3753e+01, 5.9668e-02, 5.5717e-01],  
[6.2519e+01, 3.1617e-01, 1.4139e+00],  
[1.8522e+00, 3.9943e-04, 1.7763e-01],  
[8.6904e-02, 7.4347e-06, 1.1076e-02],  
[3.2074e+01, 3.9306e-02, 2.0884e+00],  
[1.2860e+01, 2.6619e-03, 8.5621e-01],  
[1.8610e-03, 2.8662e-09, 2.9996e-04],  
[1.2583e-01, 7.5770e-06, 1.4909e-02],  
[5.8097e+01, 1.0765e+00, 2.3072e+00],  
[1.6968e+01, 1.8815e-02, 1.3689e+00],  
[1.6608e+01, 1.8840e-02, 5.2524e-01],  
[5.3504e+01, 2.4861e-01, 3.2828e+00],  
[1.4090e+01, 5.9654e-02, 8.0707e-01],  
[2.1653e+00, 2.5932e-04, 2.3307e-01],  
[4.4771e+00, 7.4512e-03, 5.6936e-01],  
[1.8624e+01, 3.7488e-02, 1.6674e+00],  
[3.4009e+01, 3.4189e-01, 1.4628e+00],  
[1.5173e+02, 5.5210e+00, 3.5033e+00],  
[6.7243e+01, 5.8101e-01, 1.6091e+00],  
[2.6433e+01, 1.3294e-01, 9.1013e-01],  
[1.1106e+01, 6.9030e-03, 5.1511e-01],

```

[1.8608e+01, 9.9736e-02, 1.0665e+00],
[7.0706e+01, 3.1039e-01, 1.6738e+00],
[8.9663e-01, 2.6692e-04, 6.9505e-02],
[8.1844e-01, 1.6950e-04, 5.5985e-02],
[9.1836e-01, 6.8237e-05, 6.6110e-02],
[5.0805e+00, 5.8547e-03, 2.8918e-01],
[4.3046e+01, 1.8278e-01, 1.5086e+00],
[1.2153e+02, 1.6377e+00, 4.4577e+00],
[1.7676e+02, 9.5627e+00, 3.9623e+00],
[4.1741e+01, 2.2921e-01, 9.9179e-01],
[1.2839e-01, 1.5552e-06, 1.5124e-02],
[4.6842e+00, 3.5719e-03, 3.4366e-01],
[4.3253e+01, 1.2932e-01, 1.3716e+00],
[4.9569e-01, 3.8662e-05, 3.4743e-02],
[7.6326e+01, 1.0591e+00, 2.4921e+00],
[3.2815e-01, 1.1234e-05, 3.5258e-02],
[7.6372e+00, 5.5649e-03, 5.0392e-01],
[2.2275e+00, 7.8174e-05, 1.9296e-01],
[5.7820e-01, 1.3576e-04, 7.1741e-02],
[7.0935e-01, 1.9199e-04, 5.5058e-02],
[4.6324e-02, 3.1223e-07, 6.3363e-03],
[2.4405e+01, 9.7751e-02, 9.7634e-01],
[2.0087e+00, 5.8003e-04, 2.0893e-01],
[6.6864e+01, 4.6205e-01, 3.5507e+00],
[9.3487e-01, 2.0205e-04, 7.5400e-02],
[2.5033e+01, 6.9382e-02, 1.2627e+00],
[6.9143e-02, 1.1157e-06, 8.5054e-03],
[1.2088e+02, 3.6232e+00, 2.8877e+00]], dtype=torch.float64)
Iteration: 216
Inputs: tensor([[7.7511e+19, 3.7846e+02, 1.0713e+01, 1.2842e+00],
[1.0947e+20, 3.0635e+02, 1.4345e+01, 6.1363e+00],
[4.3248e+18, 2.9455e+02, 1.7586e+01, 6.2518e+00],
...,
[4.4791e+18, 4.8024e+02, 1.4551e+01, 7.5897e+00],
[7.4843e+20, 2.6392e+02, 2.9444e+00, 1.8522e+00],
[1.0402e+18, 2.1551e+02, 1.0249e+01, 9.1301e+00]], dtype=torch.float64)
Target: tensor([[1.1630e+01, 5.3879e-03, 7.8766e-01],
[3.4485e+01, 2.2824e-01, 1.3534e+00],
[5.4231e-01, 1.3163e-04, 5.5810e-02],
[1.0497e+01, 1.6552e-02, 5.3975e-01],
[7.9974e-01, 9.0543e-05, 6.4364e-02],
[1.4091e+00, 9.4586e-04, 1.5476e-01],
[4.2650e-01, 3.0667e-05, 4.1822e-02],
[1.2379e-02, 4.3668e-08, 1.8285e-03],
[3.2150e+01, 2.7752e-01, 1.5725e+00],
[3.4681e-01, 1.0566e-05, 3.2568e-02],
[3.1417e+01, 8.0341e-02, 2.3360e+00],
[6.3868e+00, 3.0524e-02, 6.5436e-01],

```

[1.2925e-02, 7.9374e-08, 1.9107e-03],  
[3.4923e+01, 1.7210e-01, 1.3825e+00],  
[2.4009e+02, 4.5150e+00, 5.0674e+00],  
[1.6786e+01, 1.7931e-02, 8.5704e-01],  
[1.7122e+02, 2.8224e+00, 3.9271e+00],  
[1.9478e+02, 4.4809e+00, 3.0606e+00],  
[7.4072e-02, 1.0706e-06, 1.0625e-02],  
[7.5764e-02, 2.1386e-06, 9.9146e-03],  
[1.2425e+02, 8.4977e-01, 3.6378e+00],  
[9.3892e+01, 2.2626e-01, 2.8541e+00],  
[2.6365e-01, 6.6822e-06, 3.0984e-02],  
[9.0490e-01, 2.5156e-04, 9.3131e-02],  
[2.2894e+02, 4.4141e+00, 5.0093e+00],  
[4.9973e-03, 2.2434e-08, 7.8026e-04],  
[6.5208e+00, 6.4897e-03, 5.1530e-01],  
[1.2573e-03, 2.5460e-09, 2.0168e-04],  
[6.9033e+01, 1.2968e-01, 1.5297e+00],  
[3.7598e+01, 1.5581e-01, 9.3998e-01],  
[9.6663e-01, 5.5533e-04, 1.1395e-01],  
[5.9417e-01, 1.5722e-04, 5.8648e-02],  
[2.1212e+02, 4.6839e+00, 3.3082e+00],  
[1.8233e+01, 3.2990e-02, 5.3539e-01],  
[1.1251e+00, 4.1908e-04, 8.9164e-02],  
[6.4524e+01, 1.0641e+00, 1.7945e+00],  
[4.5351e-02, 5.3634e-07, 6.0014e-03],  
[2.7518e-03, 8.4956e-09, 4.3949e-04],  
[7.3338e+01, 8.9455e-01, 2.1751e+00],  
[2.9018e+02, 6.3554e+00, 4.5675e+00],  
[1.0408e+02, 1.3210e+00, 1.9501e+00],  
[4.4337e-01, 1.9374e-04, 5.2488e-02],  
[1.0348e-02, 8.1884e-08, 1.5691e-03],  
[8.1059e+01, 1.9066e+00, 2.4016e+00],  
[1.4557e+00, 9.6792e-04, 1.5769e-01],  
[6.9291e-01, 2.0416e-04, 5.6907e-02],  
[3.0041e+01, 2.5158e-01, 9.5443e-01],  
[1.0274e+01, 2.0236e-02, 5.6060e-01],  
[1.7801e+01, 1.0493e-01, 8.2869e-01],  
[1.3040e+02, 1.8509e+00, 3.0633e+00],  
[3.3813e-01, 7.3236e-06, 2.6911e-02],  
[2.4587e-01, 1.9786e-05, 2.4950e-02],  
[5.1956e+00, 3.3551e-04, 3.1007e-01],  
[4.0859e-02, 7.8908e-08, 5.8426e-03],  
[3.9809e+00, 8.6606e-03, 2.7006e-01],  
[2.9000e+01, 6.4944e-02, 6.5735e-01],  
[4.1421e+01, 2.7802e-01, 1.3979e+00],  
[2.9712e+00, 6.8461e-03, 2.8406e-01],  
[1.5571e+01, 7.3673e-02, 8.3760e-01],  
[6.4533e-02, 9.6206e-07, 8.1091e-03],

[3.1444e+00, 3.3824e-03, 2.5704e-01],  
 [6.5772e-01, 5.4179e-05, 7.2507e-02],  
 [1.1254e-01, 2.1841e-06, 1.3274e-02],  
 [1.0726e+02, 2.8145e+00, 2.5153e+00],  
 [5.4930e+01, 1.0401e+00, 1.9214e+00],  
 [5.4086e+01, 7.4658e-02, 1.1445e+00],  
 [1.4635e+00, 1.3354e-03, 1.6316e-01],  
 [2.1999e-02, 1.4385e-07, 3.1232e-03],  
 [5.1519e+00, 1.9583e-03, 3.9055e-01],  
 [1.1274e+02, 1.1689e+00, 2.7906e+00],  
 [3.5920e+01, 2.3642e-01, 1.2227e+00],  
 [6.0121e+00, 1.4526e-02, 4.8421e-01],  
 [2.3460e+00, 4.5729e-03, 2.3251e-01],  
 [1.9690e-01, 1.7352e-05, 2.4813e-02],  
 [4.3445e+00, 1.8815e-03, 1.6315e-01],  
 [2.4284e-02, 6.7897e-07, 3.4595e-03],  
 [1.5275e+01, 2.3027e-02, 5.3303e-01],  
 [1.9116e+01, 6.0155e-02, 6.8774e-01],  
 [8.5575e+00, 1.0175e-02, 8.0223e-01],  
 [3.8958e+00, 2.6494e-03, 2.1262e-01],  
 [1.7084e+01, 1.0009e-02, 5.3182e-01],  
 [2.7937e+01, 1.1974e-01, 8.1329e-01],  
 [3.6559e+00, 1.2240e-03, 2.8773e-01],  
 [2.2598e+01, 1.7344e-02, 6.8334e-01],  
 [1.2465e+02, 1.0215e-01, 2.8489e+00],  
 [3.9641e-02, 4.0046e-07, 5.4802e-03],  
 [3.1796e-01, 3.6272e-05, 3.4786e-02],  
 [2.6617e+00, 1.0115e-03, 3.5620e-01],  
 [1.3043e+01, 1.7996e-02, 9.9844e-01],  
 [5.2466e+01, 4.0420e-01, 1.2490e+00],  
 [1.5033e+00, 1.3111e-03, 1.3882e-01],  
 [2.2086e+00, 4.3281e-04, 1.1556e-01],  
 [6.8546e-02, 6.6953e-07, 8.9709e-03],  
 [2.7039e+00, 1.0885e-03, 2.8811e-01],  
 [1.1887e+01, 3.8568e-02, 1.0696e+00],  
 [9.3302e-01, 4.1261e-04, 9.1115e-02],  
 [1.9138e-02, 1.0060e-07, 2.7766e-03],  
 [5.8521e-03, 5.5320e-08, 9.1106e-04],  
 [3.7953e+01, 2.6247e-01, 1.1197e+00],  
 [8.6333e+01, 3.6728e-01, 3.3977e+00],  
 [7.7974e-02, 4.5051e-06, 1.1006e-02],  
 [1.5278e+02, 7.7887e-01, 3.5551e+00],  
 [1.4165e+01, 9.2598e-02, 9.5582e-01],  
 [3.6013e-01, 3.3863e-05, 3.2310e-02],  
 [1.5551e-01, 1.0750e-05, 2.2482e-02],  
 [4.8595e-01, 2.6706e-05, 4.2257e-02],  
 [1.1445e-01, 8.6752e-06, 1.5320e-02],  
 [1.0951e-01, 2.5560e-06, 1.3250e-02],

[3.0353e+00, 5.2764e-03, 2.3157e-01],  
[2.0629e+02, 1.0356e+00, 4.7511e+00],  
[1.9982e+01, 2.2834e-01, 1.8604e+00],  
[4.8533e+00, 6.8865e-03, 4.7428e-01],  
[6.1354e+01, 2.7903e-01, 1.6396e+00],  
[1.3903e+01, 1.3007e-02, 8.0146e-01],  
[8.5733e+00, 1.4636e-02, 4.4181e-01],  
[1.3986e+02, 2.6069e+00, 4.0798e+00],  
[2.5165e+01, 1.0863e-01, 7.8736e-01],  
[1.0427e+02, 1.5771e+00, 3.7271e+00],  
[8.7770e-01, 6.8698e-05, 1.0492e-01],  
[1.0599e+01, 1.2531e-02, 4.8409e-01],  
[1.6359e+00, 9.5332e-05, 1.3637e-01],  
[4.6220e-02, 1.9687e-07, 6.8351e-03],  
[1.2551e+02, 7.0681e-01, 3.9000e+00],  
[1.2400e-01, 1.1956e-06, 1.6532e-02],  
[2.8780e-01, 1.7245e-05, 2.8884e-02],  
[1.1351e+01, 1.5162e-02, 6.4108e-01],  
[1.6888e-01, 1.1364e-05, 2.1746e-02],  
[3.3513e+01, 2.1576e-01, 1.2196e+00],  
[3.2732e+01, 2.3499e-01, 1.2844e+00],  
[2.8464e+01, 9.6781e-02, 1.6154e+00],  
[7.1795e+01, 1.6504e-01, 2.6499e+00],  
[8.6207e-01, 7.5770e-04, 1.1599e-01],  
[2.3792e-02, 1.3083e-07, 3.4463e-03],  
[6.6277e+01, 9.8675e-01, 2.8283e+00],  
[3.2621e-01, 4.0311e-05, 3.7568e-02],  
[4.0287e-01, 5.0812e-05, 5.0007e-02],  
[7.0910e+01, 9.8667e-01, 2.0818e+00],  
[9.0878e+00, 2.0528e-02, 7.1922e-01],  
[4.2785e+00, 1.2955e-03, 4.2780e-01],  
[1.4533e+02, 1.8512e+00, 2.5517e+00],  
[1.8465e-02, 1.4991e-07, 2.6559e-03],  
[3.9624e+00, 1.6875e-03, 3.3002e-01],  
[6.1969e-02, 9.0916e-07, 8.1059e-03],  
[8.4505e+01, 8.1452e-01, 2.7371e+00],  
[3.4369e-01, 1.2230e-04, 4.6743e-02],  
[7.0334e+00, 2.3105e-03, 3.4117e-01],  
[8.9664e-02, 2.3834e-06, 1.1376e-02],  
[1.9519e+01, 2.0608e-01, 1.1736e+00],  
[6.0441e+01, 1.0109e+00, 1.6171e+00],  
[9.1343e-03, 2.1499e-08, 1.4028e-03],  
[7.4798e+01, 1.1268e-01, 3.4927e+00],  
[9.4318e-02, 5.1231e-06, 1.1870e-02],  
[3.6017e+01, 5.5473e-02, 1.2429e+00],  
[1.7285e+01, 1.0602e-02, 6.3291e-01],  
[5.5399e-01, 6.6224e-05, 6.9681e-02],  
[3.2041e+01, 5.7317e-02, 1.5297e+00],

[2.1827e+01, 6.4965e-02, 9.5384e-01],  
 [2.0270e+02, 3.7389e+00, 3.6569e+00],  
 [3.9521e+01, 2.1404e-01, 1.8941e+00],  
 [1.4481e-02, 8.8229e-08, 2.1469e-03],  
 [1.4000e+00, 9.4643e-04, 1.8537e-01],  
 [1.4920e+02, 2.0959e+00, 3.7253e+00],  
 [1.6763e+00, 2.5344e-04, 9.0148e-02],  
 [3.0489e+01, 2.3985e-01, 1.0346e+00],  
 [4.6295e+01, 2.2048e-01, 2.0707e+00],  
 [5.8703e+01, 2.5822e-01, 1.2917e+00],  
 [5.1064e+00, 3.2296e-03, 3.4386e-01],  
 [1.6951e+00, 9.2900e-05, 1.4611e-01],  
 [1.6197e+01, 2.2158e-02, 1.0041e+00],  
 [1.1359e-02, 1.7143e-08, 1.7539e-03],  
 [9.7146e+00, 3.0063e-03, 3.7338e-01],  
 [1.2449e+00, 6.7806e-04, 1.4203e-01],  
 [7.5299e+01, 1.2793e-01, 2.2727e+00],  
 [8.1169e+01, 3.3549e-01, 1.8860e+00],  
 [8.2501e-01, 4.4670e-04, 1.1372e-01],  
 [6.4929e-01, 3.8307e-05, 5.7678e-02],  
 [4.5547e-01, 4.2773e-05, 6.9111e-02],  
 [2.8445e-01, 2.8486e-05, 2.5529e-02],  
 [1.6910e-01, 2.1499e-05, 2.0028e-02],  
 [9.9369e-01, 5.9482e-05, 1.0812e-01],  
 [1.4988e-01, 5.3210e-06, 1.9069e-02],  
 [9.9095e+01, 1.8368e+00, 2.3178e+00],  
 [7.0011e-01, 9.8061e-05, 7.0086e-02],  
 [9.1872e+01, 2.3863e+00, 3.4793e+00],  
 [2.7437e+00, 4.9312e-04, 1.7074e-01],  
 [9.7327e-02, 4.1622e-06, 1.4221e-02],  
 [5.7824e+01, 6.9237e-01, 2.1202e+00],  
 [1.2510e+01, 6.3287e-02, 1.2011e+00],  
 [9.9803e+00, 1.1118e-02, 3.6310e-01],  
 [4.5417e-01, 1.7999e-05, 5.6969e-02],  
 [1.3196e+02, 1.7090e+00, 2.5125e+00],  
 [4.2222e+01, 6.2527e-02, 1.1397e+00],  
 [2.3216e+02, 1.3906e+00, 5.0655e+00],  
 [8.2587e+00, 9.7180e-03, 5.0751e-01],  
 [4.0754e+00, 1.1481e-02, 3.5508e-01],  
 [5.0717e+00, 1.4517e-03, 4.4147e-01],  
 [1.1574e+02, 8.3857e-02, 3.0040e+00],  
 [1.8964e-01, 2.1739e-05, 2.6710e-02],  
 [5.5987e+01, 3.5951e-01, 1.0710e+00],  
 [2.5550e-01, 9.3894e-05, 3.6305e-02],  
 [9.7948e-02, 2.9880e-06, 1.2692e-02],  
 [7.5773e-01, 1.5289e-04, 9.7547e-02],  
 [1.8303e+02, 5.4258e+00, 4.8723e+00],  
 [8.9781e-02, 9.3799e-06, 1.2578e-02],



[8.1342e+00, 4.1061e-03, 7.4390e-01],  
[6.3082e-01, 1.6064e-04, 5.8385e-02],  
[3.6469e+00, 8.9930e-04, 2.0835e-01],  
[2.0369e+01, 3.8816e-02, 1.6844e+00],  
[1.1522e-01, 8.0391e-06, 1.3606e-02],  
[1.5054e+00, 7.2440e-04, 1.4750e-01],  
[3.1621e-01, 7.7129e-06, 3.1214e-02],  
[1.5694e+01, 3.9125e-02, 1.0463e+00],  
[8.8929e+00, 9.2710e-03, 5.7519e-01],  
[2.8784e-01, 6.5772e-06, 2.4422e-02],  
[1.0424e+02, 9.9593e-01, 3.2586e+00],  
[6.8728e-01, 9.9096e-05, 5.3050e-02],  
[2.1023e-01, 8.1107e-06, 2.2448e-02],  
[4.6696e+01, 2.0380e-01, 1.0220e+00],  
[1.3565e-01, 2.6763e-07, 1.6543e-02],  
[7.3927e+01, 2.2696e+00, 3.5033e+00],  
[7.4224e+01, 7.5922e-01, 2.2427e+00],  
[1.6572e+01, 3.3204e-02, 8.6252e-01],  
[1.1487e+00, 1.2554e-04, 8.3031e-02],  
[1.0318e+02, 3.5509e-01, 3.9871e+00],  
[7.8158e+01, 5.0006e-01, 3.2780e+00],  
[1.2159e+02, 1.3640e+00, 3.8856e+00],  
[4.9867e+01, 1.2024e-01, 2.4049e+00],  
[1.3717e-01, 7.8518e-06, 1.7555e-02],  
[1.4036e-01, 2.2023e-06, 1.9198e-02],  
[9.9192e+01, 1.1244e-01, 3.5768e+00],  
[1.5871e+00, 3.1513e-04, 1.3822e-01],  
[8.8780e+00, 3.7464e-02, 6.0534e-01],  
[4.1692e+01, 1.6178e-01, 2.2774e+00],  
[1.8136e-01, 1.8971e-06, 2.3770e-02],  
[9.8417e+01, 9.1651e-01, 3.3697e+00],  
[8.2071e-01, 2.6012e-04, 9.0375e-02],  
[2.0553e+01, 2.0596e-02, 1.3503e+00],  
[1.9945e+00, 3.7701e-03, 2.1413e-01],  
[1.8405e+00, 9.6544e-04, 2.0826e-01],  
[2.1826e+01, 1.6479e-01, 1.7171e+00],  
[4.1033e+01, 1.3849e-01, 1.2667e+00],  
[6.6097e+00, 7.5726e-03, 4.2747e-01],  
[2.7127e+00, 3.0804e-04, 1.9770e-01],  
[2.7587e+01, 1.0178e-01, 8.5199e-01],  
[6.8070e-01, 2.1647e-04, 6.7951e-02],  
[2.9296e-01, 5.4830e-06, 2.8906e-02],  
[5.5926e+00, 4.6950e-03, 3.0606e-01],  
[4.2460e+00, 2.5899e-03, 4.4638e-01],  
[2.8489e+01, 3.6298e-02, 1.1188e+00],  
[1.6151e+01, 2.3304e-02, 6.2417e-01],  
[5.3314e+01, 1.1553e-01, 2.5098e+00],  
[1.0793e+00, 5.9504e-05, 1.3455e-01],

[5.0534e-02, 3.4969e-07, 7.0468e-03],  
 [1.7813e+01, 6.2455e-02, 6.0832e-01],  
 [1.6442e+01, 9.9784e-02, 8.4273e-01],  
 [1.7472e+00, 1.1005e-03, 2.0497e-01],  
 [1.0501e-01, 5.1794e-06, 1.3207e-02],  
 [2.1626e+01, 1.3105e-01, 1.1761e+00],  
 [3.4785e+01, 2.8707e-01, 1.9295e+00],  
 [1.5708e+01, 3.7108e-03, 9.9971e-01],  
 [1.3770e+02, 1.3247e+00, 3.6427e+00],  
 [4.4872e-02, 6.3135e-07, 6.0161e-03],  
 [8.0040e+00, 2.1764e-02, 5.8336e-01],  
 [1.0373e+02, 1.0750e+00, 2.8148e+00],  
 [8.1510e+00, 7.8055e-03, 7.8043e-01],  
 [4.1697e-01, 1.4040e-05, 4.5989e-02],  
 [4.9538e+01, 1.1489e-01, 1.0582e+00],  
 [5.6379e+01, 5.5032e-02, 2.3088e+00],  
 [7.9447e+00, 9.1321e-02, 9.3635e-01],  
 [2.0036e+02, 1.1155e+01, 4.4165e+00],  
 [1.1821e+00, 5.2595e-04, 1.2881e-01],  
 [4.9894e+01, 3.6312e-02, 1.3566e+00],  
 [4.8741e+00, 1.2970e-02, 4.5699e-01],  
 [1.4106e-01, 7.7201e-06, 1.7205e-02],  
 [1.8013e+01, 1.8749e-01, 1.1261e+00],  
 [2.8200e+00, 1.1327e-03, 3.0379e-01],  
 [5.4862e-01, 1.2098e-04, 6.1007e-02],  
 [1.2847e+01, 1.5479e-02, 7.0248e-01],  
 [9.4573e+00, 5.5318e-03, 5.5858e-01],  
 [2.9792e+00, 9.9868e-04, 1.7983e-01],  
 [3.0930e+01, 1.7953e-01, 1.6550e+00],  
 [1.6969e+02, 6.7575e-01, 4.4491e+00],  
 [7.1182e+00, 1.8441e-03, 4.0543e-01],  
 [3.2877e+01, 1.6926e-01, 1.9629e+00],  
 [1.5018e-01, 1.7233e-06, 1.7271e-02],  
 [4.6279e+01, 3.0170e-01, 1.4024e+00],  
 [6.0584e-02, 1.3759e-06, 8.3828e-03],  
 [1.0429e+01, 1.0887e-02, 9.6119e-01],  
 [7.9223e+00, 2.4307e-02, 4.5972e-01],  
 [4.4532e+00, 1.0684e-02, 4.0736e-01],  
 [5.1813e-03, 1.1861e-08, 8.3718e-04],  
 [2.9951e+00, 1.6753e-03, 1.8060e-01],  
 [1.3393e+01, 3.5836e-02, 7.8185e-01],  
 [1.1210e+01, 5.0270e-02, 5.6618e-01],  
 [2.4534e-01, 2.5554e-05, 3.1372e-02],  
 [1.1463e+00, 2.2086e-04, 7.4173e-02],  
 [8.1691e+00, 1.5878e-02, 4.0341e-01],  
 [2.6544e-01, 2.2936e-05, 2.6136e-02],  
 [8.8058e+01, 2.2060e+00, 3.2171e+00],  
 [1.4042e-01, 5.8697e-06, 1.8494e-02],

```

[1.2480e-01, 5.0787e-06, 1.5482e-02],
[5.6512e+01, 1.0128e+00, 1.6908e+00],
[3.5201e+00, 1.0260e-03, 1.7961e-01],
[2.6702e+02, 6.2449e+00, 4.6865e+00],
[3.0805e+01, 5.6648e-02, 8.8093e-01],
[5.0488e+01, 1.0683e-01, 2.1839e+00],
[7.5405e+01, 3.3975e-01, 1.5688e+00],
[7.7655e+01, 1.8282e-01, 1.5991e+00],
[1.0961e+02, 1.6846e+00, 4.1416e+00],
[1.2523e+01, 3.9829e-03, 4.4406e-01],
[7.0910e+00, 4.1682e-03, 7.4563e-01],
[3.0461e+02, 9.3891e+00, 5.0078e+00],
[1.7815e+02, 9.3104e+00, 4.1002e+00],
[7.9994e+01, 4.9938e-01, 3.3524e+00],
[2.8455e+01, 2.7456e-01, 2.1345e+00],
[6.1371e+01, 2.4004e-01, 1.8861e+00],
[8.9283e+01, 1.3950e+00, 2.2330e+00],
[1.6697e+00, 7.9271e-04, 1.1506e-01],
[1.4806e+02, 2.2654e-01, 4.1992e+00],
[8.5015e-02, 4.9524e-06, 1.0083e-02]], dtype=torch.float64)
Iteration: 217
Inputs: tensor([[2.9866e+18, 3.6649e+02, 1.6075e+01, 5.8412e+00],
[4.6854e+18, 6.2378e+01, 8.7005e+00, 7.9517e+00],
[1.4751e+18, 2.9912e+02, 1.0066e+01, 4.3913e+00],
...,
[1.2636e+19, 7.9034e+01, 1.3881e+01, 1.5430e+00],
[1.2447e+20, 2.2173e+02, 7.6852e+00, 5.1977e+00],
[6.0705e+19, 2.3328e+02, 6.7572e+00, 4.9691e+00]], dtype=torch.float64)
Target: tensor([[4.4432e-01, 7.0786e-05, 4.4509e-02],
[1.0866e-01, 8.5484e-06, 1.4889e-02],
[1.2661e-01, 3.7366e-06, 1.4777e-02],
[1.0300e-01, 1.0156e-05, 1.2634e-02],
[1.2630e-01, 8.7089e-06, 1.3928e-02],
[5.2629e+01, 3.9207e-01, 3.2967e+00],
[2.1666e+01, 2.6393e-02, 7.1557e-01],
[5.0105e-01, 2.3081e-06, 3.8873e-02],
[1.8708e-01, 2.6793e-05, 2.1455e-02],
[1.0416e-02, 9.8283e-09, 1.6203e-03],
[1.0503e+00, 6.6697e-04, 9.3709e-02],
[1.6562e+01, 7.8149e-02, 8.7178e-01],
[5.4772e+00, 1.8152e-03, 2.7739e-01],
[1.3690e-01, 1.1961e-05, 1.8440e-02],
[7.0622e-01, 5.3472e-05, 4.6598e-02],
[1.4553e+01, 1.2501e-02, 1.0410e+00],
[5.8847e+00, 5.0966e-03, 3.3759e-01],
[8.5132e-01, 8.2653e-05, 9.9963e-02],
[2.0597e+00, 1.3477e-03, 1.9350e-01],
[2.9318e+01, 1.0662e-01, 1.2324e+00],

```

[7.8464e+01, 2.5349e-01, 3.2634e+00],  
 [7.0355e-02, 2.2849e-06, 1.0337e-02],  
 [9.0045e+00, 7.8926e-03, 6.0270e-01],  
 [1.0500e+01, 1.2240e-02, 3.9307e-01],  
 [1.0548e+02, 1.3691e+00, 2.0889e+00],  
 [3.6538e-01, 1.1047e-04, 4.5628e-02],  
 [2.9203e+00, 1.7540e-03, 2.0031e-01],  
 [6.8587e-02, 7.1492e-07, 9.1945e-03],  
 [4.4592e+01, 2.8011e-01, 1.3039e+00],  
 [2.6047e-01, 1.8632e-05, 3.4864e-02],  
 [1.6658e+00, 3.4780e-04, 1.8071e-01],  
 [1.6272e-01, 6.4856e-06, 1.9094e-02],  
 [1.7614e+00, 3.0779e-03, 2.2724e-01],  
 [1.6783e+02, 7.1239e+00, 3.9071e+00],  
 [7.0757e-02, 4.6893e-06, 1.0417e-02],  
 [1.9664e-02, 1.5630e-07, 2.9350e-03],  
 [7.9081e-01, 1.2879e-04, 8.5085e-02],  
 [8.4927e+01, 2.3901e-01, 3.0608e+00],  
 [1.7604e+02, 3.8517e+00, 2.7872e+00],  
 [9.4195e+00, 1.0333e-02, 7.3491e-01],  
 [5.9146e+00, 9.7722e-03, 3.4597e-01],  
 [3.0043e+01, 5.3568e-02, 2.2225e+00],  
 [2.9671e+01, 1.4828e-01, 1.8188e+00],  
 [3.1050e+00, 1.6678e-03, 2.3134e-01],  
 [2.6265e+01, 1.5250e-01, 2.2120e+00],  
 [8.1679e+01, 5.6540e-01, 2.0481e+00],  
 [6.7930e+00, 1.6388e-02, 5.5959e-01],  
 [1.6076e+02, 4.2180e-01, 4.7948e+00],  
 [8.0440e+01, 3.4083e-01, 3.8919e+00],  
 [1.2444e-01, 3.0812e-07, 1.6474e-02],  
 [2.8961e+00, 4.2867e-03, 2.4149e-01],  
 [7.4051e+00, 2.1615e-02, 3.6314e-01],  
 [3.8071e+00, 6.0240e-03, 3.2595e-01],  
 [3.2004e+00, 1.6456e-03, 2.7185e-01],  
 [3.3510e+01, 1.9496e-01, 1.2683e+00],  
 [1.2957e+02, 1.2415e+00, 2.7648e+00],  
 [1.2833e-01, 1.0757e-06, 1.5505e-02],  
 [1.8950e+02, 1.4887e+00, 4.2943e+00],  
 [7.8450e-01, 6.6616e-05, 9.7381e-02],  
 [1.4121e+00, 4.1409e-04, 1.0053e-01],  
 [7.6420e-01, 3.6687e-05, 7.0467e-02],  
 [2.8401e+01, 1.4744e-01, 1.3029e+00],  
 [7.3080e+00, 1.3724e-02, 8.2803e-01],  
 [6.8548e-02, 3.4871e-06, 9.8445e-03],  
 [5.6003e+00, 8.1175e-03, 3.3976e-01],  
 [1.7897e+00, 1.1728e-03, 1.2846e-01],  
 [7.1925e-01, 7.5071e-05, 8.4208e-02],  
 [4.8949e+01, 3.3134e-01, 1.8565e+00],

[5.3263e+01, 1.3442e-01, 2.3258e+00],  
 [8.0213e-01, 1.4248e-04, 7.9064e-02],  
 [5.1404e+00, 5.4982e-03, 3.0176e-01],  
 [1.9651e+02, 2.2766e+00, 4.3788e+00],  
 [5.6834e+01, 9.2158e-02, 1.9812e+00],  
 [3.5724e+00, 7.0813e-03, 3.9490e-01],  
 [3.6414e+01, 3.9456e-01, 9.8204e-01],  
 [2.5112e+00, 2.9135e-03, 1.8851e-01],  
 [8.0364e+00, 3.8555e-03, 3.8641e-01],  
 [3.5903e+01, 2.6197e-01, 1.3013e+00],  
 [2.8672e+00, 4.2344e-03, 3.3219e-01],  
 [3.6235e+01, 3.2239e-01, 1.3799e+00],  
 [1.0870e-02, 1.2781e-08, 1.6857e-03],  
 [1.2472e+02, 1.8212e+00, 4.0879e+00],  
 [2.3424e+01, 9.4990e-02, 8.5351e-01],  
 [1.8319e-02, 4.2994e-08, 2.7252e-03],  
 [2.7244e+01, 2.4340e-01, 1.7555e+00],  
 [8.0772e-01, 1.6112e-04, 5.9161e-02],  
 [5.6339e-01, 4.6364e-05, 3.6157e-02],  
 [1.2250e+02, 2.8709e+00, 4.4413e+00],  
 [4.4741e-02, 1.4322e-07, 6.2355e-03],  
 [1.3969e+02, 7.8047e-01, 2.9914e+00],  
 [4.4369e+00, 6.8949e-04, 2.4472e-01],  
 [8.3416e-01, 1.7669e-04, 6.3333e-02],  
 [5.3574e-01, 1.1707e-04, 4.6299e-02],  
 [4.2370e-01, 8.7722e-05, 5.2017e-02],  
 [3.6211e+01, 9.8421e-02, 2.1037e+00],  
 [3.9563e+01, 1.9878e-01, 2.1286e+00],  
 [1.7726e+01, 1.6982e-01, 1.3697e+00],  
 [1.1884e-01, 1.1601e-05, 1.6399e-02],  
 [1.5034e+01, 1.3098e-02, 8.3997e-01],  
 [3.6341e+01, 1.8751e-01, 2.6815e+00],  
 [3.6518e-02, 9.4148e-08, 5.1367e-03],  
 [1.9924e-02, 1.2831e-07, 2.9525e-03],  
 [7.5192e+01, 4.3682e-02, 1.5242e+00],  
 [4.1860e+00, 6.0449e-03, 5.3732e-01],  
 [1.3336e+01, 4.4946e-02, 5.8942e-01],  
 [2.1132e-02, 2.1164e-07, 3.3231e-03],  
 [3.4375e-02, 2.5163e-07, 4.9927e-03],  
 [3.6738e-03, 3.0885e-08, 5.8861e-04],  
 [1.1908e+02, 2.8685e+00, 4.4194e+00],  
 [1.4337e+01, 1.1324e-01, 1.0739e+00],  
 [2.4004e-01, 2.3343e-05, 3.0879e-02],  
 [2.7502e+01, 3.4362e-01, 1.6960e+00],  
 [1.7026e+01, 3.9104e-02, 5.9867e-01],  
 [3.8520e+00, 1.9047e-03, 1.8609e-01],  
 [5.0065e-01, 2.5802e-05, 5.7783e-02],  
 [2.9994e+01, 8.8023e-02, 1.4844e+00],

[2.5077e-01, 1.5299e-05, 3.1934e-02],  
[1.7763e+01, 7.1649e-03, 7.5330e-01],  
[1.5258e+00, 7.2074e-04, 1.2697e-01],  
[1.0305e+01, 4.5265e-02, 5.8467e-01],  
[1.2013e+01, 8.2100e-03, 1.1348e+00],  
[7.8573e+01, 1.5991e+00, 2.4523e+00],  
[3.1792e-01, 2.6862e-05, 3.8484e-02],  
[3.1152e-02, 1.9727e-07, 4.4676e-03],  
[6.9353e+01, 5.2530e-01, 3.6060e+00],  
[2.2292e-01, 6.6441e-06, 2.7825e-02],  
[1.3425e+02, 7.5361e-01, 2.9844e+00],  
[2.1713e-03, 1.9368e-09, 3.4595e-04],  
[2.3570e-02, 2.6688e-08, 3.3515e-03],  
[1.0116e+02, 2.4765e+00, 2.6140e+00],  
[2.1144e+00, 5.6335e-04, 1.6802e-01],  
[5.9553e-01, 3.3432e-05, 3.9670e-02],  
[5.5599e-02, 7.2854e-07, 7.6501e-03],  
[3.6261e+00, 1.4887e-03, 3.4739e-01],  
[3.4000e+01, 1.3352e-01, 2.3097e+00],  
[6.7060e-01, 2.9984e-05, 7.6916e-02],  
[1.4500e+01, 2.5350e-03, 5.7592e-01],  
[6.2018e+01, 1.1819e-01, 1.4490e+00],  
[7.6397e+00, 3.9766e-03, 4.4203e-01],  
[3.6731e+01, 5.5161e-02, 1.7978e+00],  
[1.6803e-01, 3.8841e-06, 1.8133e-02],  
[5.4047e+00, 5.4297e-03, 3.0222e-01],  
[8.6058e-01, 9.4127e-05, 9.8297e-02],  
[1.9144e+01, 7.6355e-03, 1.4229e+00],  
[4.4414e+00, 7.6181e-03, 4.3407e-01],  
[3.7152e+01, 1.3383e-01, 2.5556e+00],  
[1.3949e+01, 8.7101e-03, 1.0167e+00],  
[3.1712e+00, 2.4195e-03, 3.1105e-01],  
[1.5521e-01, 6.5574e-06, 1.6033e-02],  
[1.0788e+00, 3.3388e-04, 1.4366e-01],  
[6.0381e+01, 1.0058e+00, 1.5064e+00],  
[2.1972e+00, 1.5338e-03, 1.5732e-01],  
[4.1040e-01, 3.4526e-05, 4.9045e-02],  
[5.2809e+01, 5.1660e-01, 3.3231e+00],  
[9.2076e-01, 1.9610e-04, 9.4779e-02],  
[1.0730e+01, 4.0965e-02, 9.7592e-01],  
[1.0013e+01, 6.3408e-03, 8.4925e-01],  
[2.1977e+02, 9.9461e+00, 4.8522e+00],  
[1.5743e+01, 5.2236e-02, 6.9973e-01],  
[5.3799e-01, 1.3698e-04, 4.7173e-02],  
[1.0530e+01, 7.3494e-02, 8.2553e-01],  
[4.5540e+00, 2.0118e-03, 2.0523e-01],  
[1.0371e-02, 4.4947e-08, 1.5578e-03],  
[1.4812e+02, 1.9404e+00, 3.7631e+00],

[4.7590e+01, 1.6119e-01, 1.5643e+00],  
 [3.3257e+01, 1.5860e-01, 1.3464e+00],  
 [4.7065e-02, 7.1941e-07, 6.2768e-03],  
 [5.2127e-02, 8.6627e-07, 6.7588e-03],  
 [3.8593e+01, 1.2557e-01, 2.6714e+00],  
 [2.3381e+01, 3.8226e-02, 1.9247e+00],  
 [9.2271e+01, 3.9203e-01, 3.5389e+00],  
 [3.1108e+00, 3.3239e-03, 2.6868e-01],  
 [2.4316e+00, 5.1511e-04, 1.4863e-01],  
 [2.7348e+02, 4.9596e+00, 5.1381e+00],  
 [1.3952e+00, 2.9884e-04, 7.4154e-02],  
 [9.2412e-01, 2.0476e-05, 5.9236e-02],  
 [8.5360e+01, 2.4162e+00, 3.0064e+00],  
 [9.1955e-01, 1.4143e-04, 6.6708e-02],  
 [1.5957e+01, 8.8846e-02, 9.3178e-01],  
 [5.1936e+01, 4.2560e-01, 1.1755e+00],  
 [6.8574e-02, 4.5463e-06, 9.9893e-03],  
 [2.1854e+02, 5.5635e+00, 4.0122e+00],  
 [7.2057e+00, 1.3313e-02, 3.5615e-01],  
 [3.5823e+00, 6.5340e-03, 4.4996e-01],  
 [5.5890e+00, 3.1993e-03, 4.6049e-01],  
 [3.8633e+01, 2.5205e-01, 1.3593e+00],  
 [1.8900e-01, 2.7042e-05, 2.6010e-02],  
 [3.3938e-01, 2.2088e-05, 3.1339e-02],  
 [3.4700e+01, 1.4502e-01, 2.0579e+00],  
 [9.0058e+00, 5.0486e-03, 4.6004e-01],  
 [1.7619e+02, 6.2659e+00, 4.5970e+00],  
 [7.7142e-01, 1.8449e-04, 8.5965e-02],  
 [3.5498e+01, 4.1154e-01, 1.4458e+00],  
 [3.0392e+00, 5.5659e-04, 2.6489e-01],  
 [1.3420e+00, 1.9903e-04, 9.2436e-02],  
 [1.6121e+01, 4.9895e-02, 5.9892e-01],  
 [7.7970e+00, 6.5884e-03, 3.1331e-01],  
 [3.4285e+00, 2.3557e-03, 2.6366e-01],  
 [6.8261e+00, 4.0390e-03, 4.2121e-01],  
 [7.9187e+01, 1.1789e-01, 2.1044e+00],  
 [1.6294e-01, 1.1492e-05, 2.2736e-02],  
 [2.3102e+01, 1.3258e-01, 1.3077e+00],  
 [1.0721e+01, 3.2833e-02, 5.1692e-01],  
 [1.6042e+00, 2.5987e-04, 8.5328e-02],  
 [3.4521e-01, 2.6682e-05, 3.0667e-02],  
 [2.3320e+00, 2.6746e-04, 2.3371e-01],  
 [2.0676e-03, 2.0879e-09, 3.2797e-04],  
 [4.1403e-01, 2.2868e-05, 4.4529e-02],  
 [8.5456e+00, 8.0100e-04, 3.7165e-01],  
 [5.0581e+00, 2.7411e-03, 3.8960e-01],  
 [1.2492e+01, 1.2866e-02, 4.5025e-01],  
 [8.5449e-02, 4.3274e-07, 1.1049e-02],

[1.1104e+01, 5.5425e-03, 5.7919e-01],  
 [9.8312e-01, 8.2713e-05, 6.0566e-02],  
 [5.9366e+01, 5.7227e-01, 2.7652e+00],  
 [1.8986e+02, 7.3716e+00, 4.1823e+00],  
 [3.7244e+00, 5.0430e-03, 3.4432e-01],  
 [1.1764e+02, 1.3632e+00, 3.6136e+00],  
 [2.4894e-01, 1.4749e-05, 3.1849e-02],  
 [5.8802e+00, 9.6226e-03, 2.7361e-01],  
 [1.2936e+01, 3.9153e-02, 6.1259e-01],  
 [1.3931e-01, 5.8439e-06, 1.7001e-02],  
 [1.8540e+02, 8.1711e+00, 4.4681e+00],  
 [2.1951e+00, 1.9032e-03, 1.7563e-01],  
 [1.0149e+02, 1.6086e+00, 2.9123e+00],  
 [1.1407e+02, 9.9536e-01, 3.0192e+00],  
 [3.5790e-02, 5.9418e-07, 5.0457e-03],  
 [2.1818e-01, 4.2040e-05, 3.0809e-02],  
 [9.2239e-01, 8.5246e-05, 7.7708e-02],  
 [1.9397e-01, 5.2916e-06, 2.7445e-02],  
 [1.6014e-02, 4.7506e-07, 2.5039e-03],  
 [3.5836e+01, 3.3042e-01, 1.0597e+00],  
 [5.1528e-01, 4.0939e-05, 4.2370e-02],  
 [2.6611e-01, 1.2426e-05, 2.5027e-02],  
 [8.8861e-01, 1.8301e-04, 8.3504e-02],  
 [9.2061e-01, 7.0964e-05, 7.9002e-02],  
 [4.6749e+01, 1.0532e-01, 1.0634e+00],  
 [3.4883e+01, 3.5968e-01, 1.7220e+00],  
 [1.0817e+01, 3.8937e-02, 8.2684e-01],  
 [6.2449e+00, 1.0096e-02, 3.9768e-01],  
 [1.7213e+00, 8.6922e-04, 1.6377e-01],  
 [2.4990e+00, 9.6335e-04, 2.1444e-01],  
 [7.9997e-02, 9.5442e-07, 9.9018e-03],  
 [7.5490e-01, 1.7965e-04, 5.4891e-02],  
 [3.4047e-01, 1.5151e-05, 3.6145e-02],  
 [1.8305e+01, 9.6021e-02, 1.1388e+00],  
 [8.3690e-01, 8.1362e-05, 1.0418e-01],  
 [1.8350e+02, 9.3357e+00, 4.6935e+00],  
 [4.6378e-01, 1.5255e-04, 5.4101e-02],  
 [1.1980e-01, 5.1331e-07, 1.3214e-02],  
 [6.4370e+00, 1.5803e-02, 7.3433e-01],  
 [9.3556e+01, 4.2928e-01, 1.6490e+00],  
 [8.5657e+00, 2.0162e-03, 5.4846e-01],  
 [4.4134e+00, 3.0153e-04, 3.0009e-01],  
 [2.3577e+01, 1.6124e-01, 8.8263e-01],  
 [4.6845e+01, 6.0694e-01, 1.5339e+00],  
 [2.2502e-02, 2.1386e-07, 3.2452e-03],  
 [1.3872e+01, 7.4644e-03, 4.8780e-01],  
 [6.0996e+00, 1.8598e-03, 2.7978e-01],  
 [1.2089e+02, 3.4632e-01, 4.2429e+00],



[1.9487e+01, 1.9330e-02, 7.2660e-01],  
[1.6208e-01, 1.4583e-05, 2.0622e-02],  
[1.1990e-01, 8.7579e-06, 1.4036e-02],  
[5.4083e+01, 5.0522e-01, 1.4365e+00],  
[1.3380e-01, 1.4813e-05, 1.5064e-02],  
[1.7395e+00, 2.2739e-03, 2.1461e-01],  
[2.7885e-01, 2.9471e-05, 2.7630e-02],  
[1.1406e-01, 2.4344e-06, 1.3033e-02],  
[1.4679e-01, 7.6231e-07, 1.5609e-02],  
[2.4650e+01, 2.4210e-01, 1.1685e+00],  
[3.0175e+00, 1.1951e-03, 2.1928e-01],  
[5.3644e-01, 6.7093e-05, 6.5268e-02],  
[8.0649e+01, 2.4567e+00, 3.0614e+00],  
[3.9403e+00, 8.2053e-03, 4.2418e-01],  
[5.0446e+01, 4.9368e-01, 1.7586e+00],  
[3.2932e+00, 2.7362e-03, 4.3226e-01],  
[7.8277e+01, 7.7916e-01, 1.8401e+00],  
[3.2448e-01, 1.6673e-05, 2.7753e-02],  
[9.8818e+01, 7.4809e-01, 2.5948e+00],  
[6.9463e+00, 2.0086e-02, 4.7556e-01],  
[1.6866e+01, 1.0801e-01, 1.0725e+00],  
[2.0112e+00, 3.1187e-04, 1.4165e-01],  
[1.8383e+00, 1.2337e-04, 1.2739e-01],  
[3.7785e+00, 3.7856e-04, 3.3488e-01],  
[2.7524e+01, 1.0314e-01, 7.2859e-01],  
[1.5951e+02, 7.9557e+00, 4.3642e+00],  
[7.7191e+01, 9.5400e-02, 2.1627e+00],  
[6.4418e-03, 4.4834e-09, 1.0234e-03],  
[8.2869e+00, 1.0996e-02, 3.3673e-01],  
[6.9004e-01, 7.4746e-05, 6.4544e-02],  
[1.4203e-01, 6.8246e-06, 1.6590e-02],  
[1.2235e+00, 5.6809e-05, 1.0665e-01],  
[7.7947e+01, 8.9045e-01, 2.4939e+00],  
[1.2849e+02, 1.0241e+00, 2.9002e+00],  
[4.7208e+00, 1.1763e-03, 2.3514e-01],  
[1.8144e+00, 4.6145e-04, 1.5162e-01],  
[2.1068e+02, 9.2959e+00, 4.8964e+00],  
[5.5535e-01, 4.3755e-05, 6.1572e-02],  
[1.8369e+00, 8.6809e-04, 1.2724e-01],  
[2.0155e-01, 1.7042e-05, 1.9617e-02],  
[1.2665e+01, 3.5632e-02, 6.0247e-01],  
[5.7636e+01, 3.4032e-01, 2.3579e+00],  
[2.0636e-03, 1.0362e-09, 3.2816e-04],  
[5.9267e-01, 4.7257e-04, 8.1865e-02],  
[1.5625e+00, 2.9540e-04, 9.3990e-02],  
[9.9336e-02, 2.2226e-06, 1.1399e-02],  
[3.1992e+00, 7.5490e-04, 2.8220e-01],  
[5.8907e+00, 7.5288e-03, 6.2306e-01],

```

[1.8496e+02, 3.9384e+00, 4.8447e+00],
[6.4057e+00, 1.2665e-03, 6.0496e-01],
[4.4143e+00, 2.3175e-02, 4.2058e-01],
[2.2953e+00, 5.9227e-04, 1.6647e-01],
[1.3101e+02, 2.9665e-01, 2.4290e+00],
[5.2013e+01, 3.5657e-01, 2.2460e+00],
[3.0966e+00, 2.3947e-03, 2.1499e-01],
[6.4045e+01, 3.1321e-01, 1.9855e+00],
[4.3357e+01, 6.5905e-01, 1.4411e+00],
[4.7022e-02, 4.2151e-07, 7.1868e-03],
[3.6928e+01, 1.3959e-01, 1.4540e+00],
[2.3307e+01, 5.2496e-02, 9.4851e-01]], dtype=torch.float64)
Iteration: 218
Inputs: tensor([[1.5069e+20, 2.8338e+01, 1.7717e+00, 5.3869e+00],
[2.6318e+18, 7.2250e+01, 9.0133e-01, 4.3137e+00],
[1.8592e+18, 2.5343e+02, 3.4161e+00, 9.2658e+00],
...,
[6.0604e+20, 1.8075e+02, 2.3161e+00, 4.5217e+00],
[3.4848e+20, 7.7848e+01, 1.8375e+01, 4.6315e+00],
[5.6357e+19, 2.1794e+02, 1.4630e+00, 8.0434e+00]], dtype=torch.float64)
Target: tensor([[8.1303e+00, 9.9205e-03, 7.4397e-01],
[1.4529e-01, 2.0674e-06, 1.8062e-02],
[5.3765e-01, 7.1651e-05, 4.4248e-02],
[8.1850e+01, 5.7565e-01, 2.0421e+00],
[5.0404e+01, 3.1660e-01, 1.7401e+00],
[5.4359e+01, 1.0231e+00, 2.0191e+00],
[8.8156e+00, 1.1595e-02, 4.6124e-01],
[5.0077e-01, 5.2616e-05, 6.6626e-02],
[6.4826e+01, 1.1035e+00, 1.7385e+00],
[8.6748e-01, 9.9262e-05, 8.0294e-02],
[9.5047e+00, 6.9201e-03, 3.7099e-01],
[8.8822e-02, 1.2635e-06, 1.0571e-02],
[1.6950e+02, 2.0289e+00, 4.5184e+00],
[4.7255e-03, 7.5132e-09, 7.3888e-04],
[1.6191e+00, 4.1785e-04, 1.0913e-01],
[2.8594e-01, 5.7819e-06, 3.1136e-02],
[2.8698e+01, 1.1656e-01, 9.5737e-01],
[1.1196e+01, 7.3928e-03, 6.0160e-01],
[1.5584e+01, 9.4287e-03, 9.2047e-01],
[2.7444e+00, 8.5135e-04, 2.0660e-01],
[9.0077e+01, 1.6029e+00, 2.9312e+00],
[1.0553e+00, 1.3054e-04, 6.8532e-02],
[2.4840e+01, 8.1432e-02, 7.2689e-01],
[7.2592e+00, 2.2586e-02, 4.5757e-01],
[9.1911e+00, 2.2249e-02, 3.9225e-01],
[1.1752e+01, 1.0161e-02, 5.6585e-01],
[4.0936e-03, 6.9316e-09, 6.4418e-04],
[5.3834e+01, 5.1188e-01, 1.5989e+00],

```

[4.1627e+01, 5.2530e-01, 1.6432e+00],  
[6.1343e+01, 8.7416e-01, 1.6700e+00],  
[4.9490e+01, 2.5233e-01, 1.6592e+00],  
[5.8640e+01, 5.6369e-01, 1.6211e+00],  
[5.3883e+00, 6.2717e-03, 5.3969e-01],  
[3.5694e+00, 9.9929e-03, 3.1118e-01],  
[1.6547e+01, 1.3122e-01, 1.5331e+00],  
[3.2225e+01, 5.9262e-01, 2.2093e+00],  
[7.1267e+00, 6.0791e-03, 3.7420e-01],  
[5.3852e+00, 8.6400e-03, 4.2079e-01],  
[4.1584e+01, 2.9962e-02, 1.6851e+00],  
[3.1081e-01, 5.0892e-06, 2.8336e-02],  
[1.4228e+00, 8.1600e-05, 1.1383e-01],  
[3.2032e-01, 2.3421e-05, 3.2309e-02],  
[4.6126e+01, 3.2793e-01, 1.3063e+00],  
[1.6639e-02, 4.0230e-08, 2.5414e-03],  
[3.7784e+00, 7.6505e-04, 1.5823e-01],  
[3.5831e+01, 6.7905e-01, 2.4894e+00],  
[7.4271e-01, 1.4184e-04, 8.0689e-02],  
[1.5876e+00, 7.9082e-04, 1.2302e-01],  
[5.6058e+01, 9.6804e-01, 2.9542e+00],  
[3.7689e-01, 2.2260e-05, 4.7604e-02],  
[5.4168e+01, 1.2023e+00, 3.0747e+00],  
[3.2782e-01, 4.2138e-05, 3.6641e-02],  
[2.0887e-02, 2.0171e-07, 3.0775e-03],  
[5.2721e+01, 5.2542e-01, 2.1929e+00],  
[5.8854e+01, 5.8948e-01, 1.6928e+00],  
[4.2600e+01, 3.2439e-01, 1.5608e+00],  
[7.8573e+01, 7.0887e-01, 1.7438e+00],  
[1.5714e+01, 2.9297e-03, 8.5958e-01],  
[9.9833e+01, 2.8349e+00, 3.9680e+00],  
[3.9037e-01, 2.8664e-05, 3.4154e-02],  
[1.1695e+01, 4.6779e-02, 8.5982e-01],  
[2.2618e+01, 5.5079e-02, 9.9966e-01],  
[6.9229e+00, 7.1808e-03, 3.8201e-01],  
[1.2137e+00, 3.2736e-04, 9.4590e-02],  
[1.4346e-02, 5.1625e-08, 2.1784e-03],  
[5.0151e+00, 3.8031e-03, 3.2419e-01],  
[4.1282e+01, 4.3453e-01, 1.5246e+00],  
[8.6211e+01, 1.8381e+00, 2.8858e+00],  
[1.6034e-01, 4.5358e-06, 2.3702e-02],  
[9.8276e+00, 1.0700e-02, 4.7755e-01],  
[4.5969e+01, 4.3827e-01, 2.6713e+00],  
[7.2224e-01, 1.2044e-04, 6.4560e-02],  
[7.1444e-01, 3.8729e-05, 5.5146e-02],  
[9.5224e+01, 1.1473e+00, 2.4641e+00],  
[8.0350e+00, 3.8046e-02, 7.1190e-01],  
[1.1370e+02, 5.7759e-01, 4.1777e+00],

[2.8819e-02, 4.1077e-07, 4.1080e-03],  
[7.5594e-03, 4.8859e-09, 1.1482e-03],  
[5.1511e+00, 7.7559e-03, 3.0138e-01],  
[4.2042e-01, 1.8588e-05, 5.4183e-02],  
[2.7392e+00, 5.0231e-04, 1.6908e-01],  
[8.4106e+01, 8.4578e-01, 3.8378e+00],  
[1.7230e+02, 4.3050e+00, 3.3449e+00],  
[3.0247e+01, 2.4989e-01, 1.0004e+00],  
[6.3754e+01, 1.1567e+00, 2.3648e+00],  
[8.8752e-01, 4.3489e-04, 7.2901e-02],  
[3.4080e+00, 3.6254e-03, 2.2832e-01],  
[7.0598e+00, 1.5441e-02, 4.2329e-01],  
[1.4093e+01, 4.7847e-03, 9.6981e-01],  
[8.1835e-01, 1.2944e-04, 6.0537e-02],  
[7.9326e+01, 8.4395e-01, 1.9365e+00],  
[5.1384e+00, 1.0967e-02, 4.1101e-01],  
[6.5890e-01, 4.9111e-05, 6.5544e-02],  
[2.5646e-02, 7.9209e-08, 3.6873e-03],  
[7.9788e-01, 2.7997e-04, 9.2982e-02],  
[1.2907e+00, 1.6701e-04, 1.1500e-01],  
[1.4364e+00, 4.9303e-04, 1.4892e-01],  
[1.0801e+02, 3.2168e-01, 4.0352e+00],  
[1.6864e-02, 1.2419e-08, 2.4275e-03],  
[1.7564e-01, 6.1432e-06, 1.8766e-02],  
[5.8728e+00, 7.8425e-03, 6.4207e-01],  
[1.9085e+01, 3.1350e-02, 6.5463e-01],  
[1.0129e-01, 1.3652e-06, 1.1997e-02],  
[1.9932e-01, 7.9081e-06, 2.7982e-02],  
[4.0809e+01, 9.0669e-02, 2.9036e+00],  
[2.7990e-01, 6.4592e-06, 2.6197e-02],  
[1.8557e+02, 7.1435e+00, 4.1260e+00],  
[1.2747e+00, 5.6580e-05, 1.0145e-01],  
[1.0632e+00, 9.2617e-05, 7.5349e-02],  
[5.6394e+00, 2.7848e-03, 4.0278e-01],  
[1.6886e+02, 3.4959e+00, 3.9043e+00],  
[5.7067e-02, 8.8882e-07, 7.9683e-03],  
[3.0809e+00, 5.1536e-03, 2.6974e-01],  
[5.8636e-01, 8.6333e-06, 5.8792e-02],  
[2.3756e+01, 2.5668e-01, 1.5661e+00],  
[1.4299e+01, 2.5993e-02, 5.0613e-01],  
[2.3988e+01, 5.9655e-02, 1.6976e+00],  
[8.2150e+00, 1.0807e-02, 5.2615e-01],  
[4.2234e-01, 2.4652e-05, 5.1202e-02],  
[5.5971e-02, 1.0724e-06, 8.6295e-03],  
[3.5312e+01, 8.2438e-02, 2.4555e+00],  
[1.3273e+01, 3.0735e-02, 4.4510e-01],  
[5.0974e+01, 5.0841e-01, 1.7349e+00],  
[2.2630e+00, 2.3984e-03, 2.1327e-01],

[1.2475e+01, 2.6232e-02, 4.6420e-01],  
[1.8803e-02, 2.0659e-07, 2.7407e-03],  
[2.4153e+00, 4.7694e-04, 1.1751e-01],  
[2.2692e+01, 4.2137e-02, 6.6388e-01],  
[4.4950e+00, 1.4875e-04, 2.5084e-01],  
[1.6942e+02, 2.1360e+00, 2.8903e+00],  
[1.0283e-01, 1.4874e-06, 1.5346e-02],  
[1.0249e+01, 2.7179e-02, 6.2313e-01],  
[8.4847e+01, 1.0462e+00, 2.7611e+00],  
[2.1285e+02, 4.4954e+00, 4.0649e+00],  
[6.7642e-02, 1.3481e-06, 8.3724e-03],  
[1.0855e+00, 6.5812e-05, 1.0174e-01],  
[2.1876e+00, 4.1384e-03, 2.0052e-01],  
[2.4497e+00, 1.6796e-03, 2.5078e-01],  
[6.8289e+00, 2.5712e-02, 4.7478e-01],  
[1.9605e+00, 8.9094e-04, 2.5158e-01],  
[4.3005e-01, 1.3666e-04, 5.1160e-02],  
[2.4969e+00, 5.5696e-04, 1.6616e-01],  
[3.5977e-01, 2.7366e-05, 2.8055e-02],  
[3.3904e-01, 2.3827e-05, 3.8264e-02],  
[8.3970e+00, 1.3812e-03, 4.2436e-01],  
[2.7210e+00, 1.3458e-04, 2.2142e-01],  
[1.1630e+01, 3.0447e-02, 4.8604e-01],  
[6.2065e+01, 7.8822e-01, 1.5746e+00],  
[4.8556e-01, 3.4702e-05, 3.7303e-02],  
[2.9820e+00, 1.3655e-04, 2.4268e-01],  
[6.1546e-02, 9.7355e-07, 8.5267e-03],  
[7.4184e+00, 5.5345e-03, 2.6767e-01],  
[1.3776e+02, 1.3646e+00, 2.8029e+00],  
[6.1341e+01, 4.2796e-01, 1.4011e+00],  
[5.9655e+01, 9.0190e-01, 1.7862e+00],  
[2.4487e+01, 1.7947e-01, 1.1050e+00],  
[6.9413e-01, 3.3437e-04, 8.1129e-02],  
[5.5225e+01, 1.5985e-01, 2.3571e+00],  
[1.1160e+00, 1.2324e-04, 6.6865e-02],  
[1.4247e+01, 1.2816e-01, 1.1982e+00],  
[9.9787e-01, 1.1544e-04, 6.1380e-02],  
[5.9926e+00, 1.6092e-02, 4.1565e-01],  
[1.8497e+00, 6.4304e-04, 2.1723e-01],  
[8.9882e-02, 4.7851e-07, 1.0650e-02],  
[1.6112e+01, 5.7814e-02, 6.9483e-01],  
[8.1513e+01, 7.7503e-01, 3.1130e+00],  
[6.4270e+00, 2.3601e-03, 3.1711e-01],  
[1.7784e+01, 3.5671e-02, 7.0309e-01],  
[3.1492e-02, 4.2066e-08, 4.3448e-03],  
[1.2909e+00, 7.1599e-04, 1.0944e-01],  
[3.9327e-01, 8.4053e-06, 3.8550e-02],  
[4.4888e-01, 1.8804e-04, 5.8827e-02],

[2.6748e+01, 3.5681e-02, 1.1813e+00],  
[9.9096e+01, 2.4966e+00, 2.4607e+00],  
[7.0632e+01, 6.1615e-01, 1.6310e+00],  
[1.0511e-01, 1.1539e-05, 1.2835e-02],  
[4.4727e+00, 2.4480e-03, 3.5743e-01],  
[1.6617e+01, 4.8608e-02, 5.8475e-01],  
[2.9300e+01, 6.5653e-02, 2.2415e+00],  
[2.7659e+01, 2.9914e-02, 8.9941e-01],  
[6.1957e-01, 5.5818e-05, 6.3024e-02],  
[6.2207e-02, 4.6387e-06, 7.7783e-03],  
[5.3764e-01, 1.3436e-05, 3.6213e-02],  
[4.6968e+01, 6.3449e-01, 1.4999e+00],  
[5.4413e-01, 1.5646e-04, 4.9221e-02],  
[2.0462e+00, 1.9574e-03, 1.6083e-01],  
[7.2320e+01, 6.7062e-01, 1.6617e+00],  
[1.0640e-01, 2.4618e-06, 1.3096e-02],  
[8.3193e+01, 4.8405e-01, 2.5142e+00],  
[1.2196e+00, 1.7501e-03, 1.3309e-01],  
[3.0176e+01, 3.0787e-01, 2.1073e+00],  
[1.8754e+00, 8.3679e-04, 1.8717e-01],  
[2.5581e+00, 1.3934e-03, 1.6445e-01],  
[2.5685e+01, 2.4264e-02, 6.3929e-01],  
[2.3854e-01, 1.2907e-05, 2.3221e-02],  
[3.3498e-01, 4.6155e-05, 3.5546e-02],  
[3.1428e+02, 7.3574e+00, 4.8351e+00],  
[6.5834e+01, 8.9931e-01, 2.2878e+00],  
[1.8423e+02, 4.2522e+00, 2.7842e+00],  
[8.3395e+01, 3.3453e-01, 2.4036e+00],  
[1.2982e+00, 5.8073e-04, 1.1612e-01],  
[2.4499e-01, 3.1108e-05, 2.3148e-02],  
[1.2124e+00, 1.4125e-04, 9.6356e-02],  
[9.0848e+00, 1.2837e-02, 6.5093e-01],  
[4.1042e+00, 5.3020e-04, 3.1942e-01],  
[1.7503e+01, 6.5359e-02, 6.8569e-01],  
[8.1637e-03, 2.1235e-08, 1.2893e-03],  
[1.5508e+01, 1.4789e-02, 5.9918e-01],  
[1.3416e+00, 5.1199e-04, 1.2971e-01],  
[5.0837e-01, 5.4427e-06, 5.2802e-02],  
[5.0955e+01, 4.9370e-01, 1.4066e+00],  
[4.0930e+01, 5.5182e-01, 1.4671e+00],  
[6.0449e-01, 1.5395e-04, 5.2154e-02],  
[6.8158e+01, 1.3546e+00, 2.7105e+00],  
[8.1180e+01, 3.9191e-01, 3.6640e+00],  
[2.6643e+01, 2.7185e-02, 1.0513e+00],  
[3.4860e-01, 6.3624e-05, 4.2048e-02],  
[7.1258e+01, 2.1695e-01, 1.5287e+00],  
[2.1735e+01, 9.9928e-02, 6.6132e-01],  
[1.7512e-01, 6.9985e-06, 2.1962e-02],

[1.6090e+01, 5.0417e-02, 8.5204e-01],  
[2.0596e+02, 3.4824e+00, 4.8617e+00],  
[2.2393e+00, 5.0155e-04, 1.8968e-01],  
[1.0054e+00, 5.1413e-05, 7.0533e-02],  
[4.4915e+00, 3.9834e-03, 4.0055e-01],  
[2.4923e+01, 9.9941e-03, 8.8322e-01],  
[9.4635e+01, 2.2734e+00, 2.3490e+00],  
[1.5553e+02, 5.9470e+00, 4.3940e+00],  
[1.0199e+00, 5.0869e-04, 9.8756e-02],  
[7.4176e-01, 2.4125e-05, 6.1468e-02],  
[5.5151e-02, 4.2208e-06, 8.1029e-03],  
[3.1874e-01, 3.8052e-05, 3.3589e-02],  
[5.5954e+01, 5.2800e-01, 1.8158e+00],  
[2.9503e+01, 2.6374e-02, 1.2162e+00],  
[2.2152e+02, 1.8030e+00, 4.3139e+00],  
[2.7967e+00, 8.4717e-03, 2.7708e-01],  
[5.8179e-02, 8.4996e-07, 7.8269e-03],  
[4.6064e+01, 1.2204e-01, 2.3468e+00],  
[5.7600e+00, 5.0261e-04, 2.9586e-01],  
[2.5524e-01, 5.2501e-05, 2.8905e-02],  
[1.0994e+01, 1.0230e-02, 4.1520e-01],  
[4.0019e+01, 2.7801e-01, 9.6330e-01],  
[2.0386e+02, 6.3284e+00, 4.8001e+00],  
[5.6316e+01, 7.3679e-01, 1.7186e+00],  
[3.0319e-01, 4.6789e-06, 3.7411e-02],  
[2.4818e+01, 1.0569e-01, 8.8789e-01],  
[7.7118e+01, 1.5781e+00, 2.3885e+00],  
[8.9075e+01, 4.0681e-01, 2.6623e+00],  
[1.2841e+01, 6.3165e-02, 1.3234e+00],  
[5.1624e+00, 1.1980e-02, 4.4329e-01],  
[1.0057e+02, 7.1230e-01, 4.2299e+00],  
[4.8943e+01, 6.5660e-01, 1.7867e+00],  
[4.1678e+00, 3.8898e-03, 2.4761e-01],  
[1.3842e-01, 7.4329e-06, 1.5576e-02],  
[5.7841e+01, 1.1289e+00, 2.8163e+00],  
[1.2078e+00, 1.8934e-04, 1.2611e-01],  
[1.3038e-01, 7.2312e-06, 1.6163e-02],  
[6.0225e-02, 3.8338e-06, 8.5459e-03],  
[3.8526e-02, 2.4065e-08, 5.6405e-03],  
[2.8245e+00, 6.4068e-04, 1.6908e-01],  
[1.0511e+02, 8.6036e-01, 3.5826e+00],  
[4.5124e+01, 2.1561e-01, 1.7327e+00],  
[2.8520e+01, 1.5650e-01, 1.0259e+00],  
[1.0261e+01, 3.7690e-02, 6.3465e-01],  
[4.4840e+01, 7.2098e-02, 1.2155e+00],  
[1.8191e-01, 1.1152e-06, 2.0259e-02],  
[5.5025e+01, 3.5216e-01, 2.1666e+00],  
[2.9143e+01, 3.9711e-02, 8.3777e-01],

[9.8799e-02, 1.7613e-06, 1.3360e-02],  
[6.1165e+00, 5.4785e-03, 6.9493e-01],  
[4.0805e+01, 1.6149e-01, 2.9220e+00],  
[1.2530e-01, 8.5981e-07, 1.3825e-02],  
[8.3661e+00, 2.6093e-04, 3.3817e-01],  
[5.5020e+01, 2.3947e-01, 2.2071e+00],  
[2.5624e-01, 6.6732e-06, 2.4655e-02],  
[1.3063e-01, 4.2228e-06, 1.4920e-02],  
[6.6624e+01, 6.1498e-01, 2.2721e+00],  
[7.3693e+00, 3.9975e-02, 8.5974e-01],  
[1.4171e+01, 7.8241e-03, 8.3457e-01],  
[1.5757e+01, 1.2247e-02, 4.7202e-01],  
[1.7031e+02, 3.1154e+00, 3.1672e+00],  
[8.0584e+01, 5.6009e-01, 3.4146e+00],  
[3.6722e-01, 1.7000e-04, 4.7651e-02],  
[5.3857e-01, 3.0820e-05, 5.2841e-02],  
[6.3389e-02, 3.9454e-06, 8.7222e-03],  
[1.8470e+01, 4.1490e-02, 1.6595e+00],  
[5.6809e-01, 1.2700e-04, 5.5154e-02],  
[1.8881e-01, 1.6286e-05, 2.1285e-02],  
[6.0439e+00, 5.9114e-03, 4.5052e-01],  
[2.9211e+01, 1.2771e-01, 1.1334e+00],  
[8.0062e-01, 3.1166e-04, 6.6594e-02],  
[3.3742e-01, 1.0436e-05, 3.9458e-02],  
[2.8370e+00, 1.2789e-03, 2.8746e-01],  
[1.2789e+02, 3.4031e+00, 4.0030e+00],  
[1.5144e+01, 7.0172e-02, 7.8317e-01],  
[4.6503e-01, 8.1068e-05, 3.9386e-02],  
[1.5228e+02, 5.7314e+00, 3.9106e+00],  
[3.0796e+00, 7.1048e-04, 2.0477e-01],  
[9.4389e+01, 1.7903e+00, 2.3410e+00],  
[7.3443e-01, 1.3412e-05, 6.4210e-02],  
[3.0506e+02, 2.3328e+00, 4.7447e+00],  
[6.1491e+01, 8.4370e-01, 1.8100e+00],  
[1.4900e+02, 2.3699e+00, 3.1609e+00],  
[8.0439e-02, 2.5776e-06, 1.1057e-02],  
[5.3134e-02, 8.5924e-07, 7.3954e-03],  
[4.3737e+01, 3.0427e-01, 2.4289e+00],  
[4.0665e-01, 1.0163e-04, 4.2494e-02],  
[1.5083e+02, 3.8726e-01, 2.6552e+00],  
[1.1485e+02, 2.9481e+00, 3.1133e+00],  
[3.4699e+01, 4.8480e-01, 2.6680e+00],  
[1.1682e+02, 1.2300e+00, 3.1981e+00],  
[5.6604e+01, 5.7943e-01, 1.9550e+00],  
[2.9718e+01, 1.0007e-01, 1.0632e+00],  
[1.8482e+01, 4.4250e-02, 8.5529e-01],  
[5.3299e-02, 1.1934e-06, 7.3982e-03],  
[6.2091e+01, 1.1131e+00, 2.5725e+00],



```

[5.7505e-02, 1.7727e-06, 7.7855e-03],
[1.4091e+02, 7.1513e-01, 3.7914e+00],
[1.1397e+01, 5.2944e-02, 1.0845e+00],
[3.4826e+01, 1.2822e-01, 9.9934e-01]], dtype=torch.float64)
Iteration: 219
Inputs: tensor([[3.2242e+18, 2.2786e+02, 9.7810e+00, 1.3604e+00],
[4.9427e+20, 2.9578e+02, 6.2799e+00, 6.8297e+00],
[2.3933e+20, 4.4823e+02, 8.1457e+00, 8.1119e+00],
...,
[2.2499e+20, 2.5878e+02, 7.0704e+00, 3.5454e+00],
[1.1122e+19, 4.6320e+02, 2.0125e+00, 4.6663e+00],
[8.2370e+18, 4.6927e+02, 1.6225e+00, 5.9154e+00]], dtype=torch.float64)
Target: tensor([[5.2834e-02, 2.4120e-07, 7.5282e-03],
[1.4556e+02, 2.1021e+00, 3.4639e+00],
[1.1169e+02, 1.8136e+00, 2.3725e+00],
[3.5055e+00, 1.7950e-03, 1.7288e-01],
[1.1938e-02, 1.3033e-07, 1.7619e-03],
[1.1363e-01, 1.0980e-05, 1.4192e-02],
[3.0824e+00, 3.9513e-04, 1.5676e-01],
[6.8097e-01, 1.4459e-04, 6.4768e-02],
[2.3367e+01, 1.1137e-01, 1.4033e+00],
[8.4083e+01, 1.1040e+00, 3.4582e+00],
[2.1356e+01, 5.1650e-02, 1.5235e+00],
[5.6276e-01, 5.8467e-04, 7.8079e-02],
[4.0126e+01, 4.8546e-01, 2.7752e+00],
[9.4942e-01, 2.0881e-04, 7.8637e-02],
[2.8520e+01, 3.1030e-01, 1.5706e+00],
[9.0391e-02, 3.5259e-06, 1.2261e-02],
[4.1054e+01, 1.0509e-01, 9.1867e-01],
[5.9738e-01, 3.7715e-05, 7.0304e-02],
[2.7097e+01, 1.1407e-01, 1.7616e+00],
[1.3464e+00, 1.3813e-04, 1.4745e-01],
[3.5605e+01, 1.6230e-01, 1.0377e+00],
[2.5444e+01, 7.2577e-02, 1.2096e+00],
[3.5104e+01, 1.3898e-01, 1.6837e+00],
[1.4686e+00, 3.2706e-04, 1.3496e-01],
[1.1269e+01, 1.1850e-02, 7.6440e-01],
[1.2317e+01, 6.3486e-02, 1.1120e+00],
[1.3673e+01, 8.5831e-04, 4.0493e-01],
[2.2778e-03, 2.7437e-09, 3.6637e-04],
[5.7618e-03, 3.7378e-08, 9.2037e-04],
[1.0885e+00, 8.4216e-05, 6.7905e-02],
[1.4590e+00, 1.7242e-04, 1.6728e-01],
[1.9898e-02, 4.7451e-07, 2.8900e-03],
[1.8589e+02, 6.0511e+00, 4.5036e+00],
[3.1465e-02, 1.1409e-06, 4.4995e-03],
[1.6128e+00, 2.6158e-04, 9.9338e-02],
[5.4377e+00, 2.4525e-03, 4.8858e-01],

```

[5.7397e-02, 6.4230e-07, 8.6771e-03],  
[1.1756e-01, 2.8754e-06, 1.6672e-02],  
[2.7131e+01, 1.6685e-01, 1.0568e+00],  
[3.6365e-03, 8.3192e-10, 5.7847e-04],  
[2.0916e-02, 2.1504e-07, 3.2639e-03],  
[2.7566e+01, 1.2096e-01, 1.5889e+00],  
[6.9147e+00, 2.7165e-03, 2.4466e-01],  
[2.2942e-02, 3.2419e-07, 3.4101e-03],  
[1.5244e+00, 8.1341e-04, 1.6137e-01],  
[6.2898e-01, 1.6971e-04, 6.9645e-02],  
[2.0180e+01, 2.4816e-02, 6.2920e-01],  
[3.1591e+00, 4.7570e-04, 1.6712e-01],  
[1.8556e+02, 4.6900e+00, 4.7369e+00],  
[3.9700e+01, 2.1930e-02, 1.5301e+00],  
[3.2259e+00, 5.0135e-03, 3.3082e-01],  
[5.4782e+01, 3.0063e-01, 1.3840e+00],  
[6.4852e+00, 2.8594e-03, 3.7818e-01],  
[2.8359e+01, 1.1216e-01, 7.3548e-01],  
[5.8141e-01, 6.5909e-05, 7.4849e-02],  
[1.3568e+02, 1.2252e+00, 3.9712e+00],  
[6.7954e+01, 1.9260e-01, 1.9018e+00],  
[7.7598e+01, 1.0152e+00, 1.6458e+00],  
[1.8609e+00, 2.1986e-03, 2.2696e-01],  
[1.9044e+01, 7.6062e-02, 1.0820e+00],  
[3.5468e+01, 3.6387e-01, 1.2297e+00],  
[1.0466e+02, 1.0739e-01, 2.3618e+00],  
[5.3245e+00, 8.3976e-03, 2.7508e-01],  
[9.0779e-03, 2.9171e-08, 1.4098e-03],  
[1.0172e+00, 6.7331e-04, 1.1516e-01],  
[9.0174e+01, 5.3271e-01, 2.3243e+00],  
[1.1320e-02, 2.9879e-08, 1.6846e-03],  
[6.6396e-01, 1.9378e-05, 6.1747e-02],  
[6.6686e+01, 5.5364e-01, 2.4929e+00],  
[1.1570e-01, 1.4215e-05, 1.4096e-02],  
[4.1245e-01, 1.5988e-05, 4.0266e-02],  
[1.8741e+02, 6.6078e+00, 4.8404e+00],  
[2.6977e+00, 3.0206e-03, 2.6322e-01],  
[2.9674e-01, 1.9505e-05, 2.5710e-02],  
[3.9251e+01, 3.6808e-01, 1.5937e+00],  
[9.4292e+00, 7.7017e-04, 4.6480e-01],  
[3.9101e+01, 4.5888e-01, 1.2973e+00],  
[1.6988e-01, 1.5369e-05, 1.8889e-02],  
[1.8049e-01, 4.7945e-06, 2.3590e-02],  
[2.9539e+02, 2.7186e+00, 4.3775e+00],  
[2.4958e-01, 4.3588e-06, 3.4107e-02],  
[2.1605e+00, 5.1376e-04, 2.1849e-01],  
[2.0781e-02, 1.3210e-07, 3.0110e-03],  
[3.5301e+01, 5.2410e-01, 1.5105e+00],

[2.0617e+01, 2.6541e-02, 1.0303e+00],  
[3.9789e+01, 5.5971e-02, 2.0415e+00],  
[7.2212e-01, 4.1477e-05, 4.8967e-02],  
[1.6375e-03, 2.0458e-09, 2.6361e-04],  
[1.4118e-03, 3.8377e-10, 2.2593e-04],  
[8.2972e+00, 1.4679e-02, 5.6437e-01],  
[9.2641e-01, 3.1111e-04, 8.4591e-02],  
[1.2869e+01, 1.2646e-02, 8.1113e-01],  
[1.9722e+02, 2.6476e+00, 3.8684e+00],  
[8.5801e+00, 5.5094e-04, 5.4646e-01],  
[9.4162e-03, 3.1421e-08, 1.4097e-03],  
[5.4413e+00, 2.5869e-03, 3.2747e-01],  
[2.3730e-01, 2.3045e-05, 2.2469e-02],  
[2.4013e-01, 2.7398e-06, 3.4705e-02],  
[6.8416e+00, 4.2046e-03, 2.5672e-01],  
[9.5745e+01, 2.6088e+00, 2.6349e+00],  
[1.0669e+02, 3.1384e-01, 4.2091e+00],  
[6.7897e+00, 8.5867e-03, 6.1205e-01],  
[8.5407e-03, 2.8782e-08, 1.2857e-03],  
[8.3104e+01, 1.0721e+00, 2.5233e+00],  
[2.2350e+00, 1.0518e-04, 1.5973e-01],  
[2.9298e+01, 1.5652e-01, 9.1004e-01],  
[5.1678e+00, 2.4600e-02, 4.7177e-01],  
[1.9144e+01, 1.1008e-01, 1.5600e+00],  
[4.4135e+00, 7.0623e-03, 3.0166e-01],  
[7.7051e-01, 1.3222e-04, 8.0783e-02],  
[1.8475e+01, 1.4311e-01, 8.3285e-01],  
[2.1578e+00, 8.8442e-04, 1.4913e-01],  
[1.0376e-01, 2.5320e-06, 1.3194e-02],  
[2.0944e+01, 2.5132e-02, 1.1966e+00],  
[1.0160e+00, 2.3561e-05, 9.0495e-02],  
[1.1959e+01, 4.0967e-02, 4.9653e-01],  
[5.1271e+01, 1.1683e+00, 2.6173e+00],  
[7.8328e-01, 7.4853e-05, 8.2647e-02],  
[6.1518e+01, 1.4697e-01, 2.4620e+00],  
[1.8733e+00, 4.4756e-04, 1.3059e-01],  
[1.1270e+02, 1.0211e+00, 3.7748e+00],  
[5.6960e+01, 5.6953e-01, 2.0567e+00],  
[2.6146e-01, 3.9233e-05, 3.6801e-02],  
[3.6901e-01, 1.0618e-05, 3.2922e-02],  
[6.2426e-01, 1.2626e-05, 4.1362e-02],  
[2.1170e+01, 7.0285e-02, 7.3440e-01],  
[1.8017e-01, 3.1525e-06, 2.3454e-02],  
[3.5450e+01, 2.0605e-02, 1.2451e+00],  
[2.3143e-01, 6.0855e-06, 3.1010e-02],  
[1.3712e-01, 7.1666e-06, 1.6628e-02],  
[3.4272e-02, 6.3596e-08, 4.8723e-03],  
[1.7962e+01, 2.4727e-03, 7.8096e-01],

[1.6531e+00, 1.1715e-03, 2.0055e-01],  
 [3.7610e+00, 2.8452e-03, 3.4687e-01],  
 [7.8831e+01, 3.9438e-01, 3.6337e+00],  
 [4.3101e+01, 1.9258e-01, 2.0805e+00],  
 [4.6228e+00, 2.9213e-03, 4.1636e-01],  
 [3.7446e+01, 2.1217e-01, 1.4951e+00],  
 [1.4743e-02, 3.0271e-07, 2.2451e-03],  
 [8.4803e+00, 1.8915e-02, 4.0682e-01],  
 [1.5860e+02, 1.0096e+00, 4.3224e+00],  
 [1.4920e+00, 5.9519e-04, 1.2581e-01],  
 [1.1432e+01, 1.9624e-02, 6.5551e-01],  
 [3.9954e+00, 4.3308e-03, 3.8030e-01],  
 [1.4552e+00, 3.1529e-04, 9.0445e-02],  
 [5.5975e-01, 3.0565e-05, 4.3535e-02],  
 [1.6251e+02, 5.2816e+00, 4.3112e+00],  
 [6.1788e+00, 3.4697e-03, 6.1616e-01],  
 [2.7957e-01, 2.0848e-05, 3.0713e-02],  
 [9.3022e-01, 9.7836e-05, 1.0273e-01],  
 [6.3275e+01, 5.0323e-01, 1.3941e+00],  
 [1.0869e+01, 2.4818e-02, 4.6362e-01],  
 [5.6908e-01, 3.1245e-05, 4.0384e-02],  
 [3.5634e+01, 3.3803e-01, 1.3051e+00],  
 [1.4680e+02, 1.0374e-01, 3.0914e+00],  
 [6.0038e+00, 2.3632e-02, 5.2828e-01],  
 [1.0820e-01, 1.3570e-06, 1.5546e-02],  
 [2.6023e-03, 4.2123e-10, 4.1715e-04],  
 [7.4037e+01, 7.8131e-01, 3.4830e+00],  
 [1.2066e+01, 1.5147e-02, 6.8387e-01],  
 [2.5570e+01, 8.3942e-02, 1.1509e+00],  
 [2.1517e+01, 1.9590e-02, 6.0057e-01],  
 [1.3523e+01, 2.3439e-02, 7.9969e-01],  
 [1.2007e+00, 1.1569e-03, 1.6169e-01],  
 [3.3098e+00, 1.5829e-03, 2.7232e-01],  
 [4.3034e+00, 1.1008e-03, 3.1375e-01],  
 [8.2222e-01, 3.6505e-04, 7.1131e-02],  
 [2.5610e+00, 6.0392e-03, 3.1053e-01],  
 [2.1266e+00, 1.5612e-03, 1.7854e-01],  
 [6.7638e+01, 1.3032e+00, 1.9693e+00],  
 [5.1247e+00, 2.0929e-03, 2.4332e-01],  
 [3.0938e+01, 2.2990e-01, 1.1482e+00],  
 [3.4572e+00, 4.0021e-03, 3.6873e-01],  
 [5.5433e+01, 3.1059e-01, 1.6608e+00],  
 [7.8462e+00, 1.6399e-02, 4.2430e-01],  
 [1.5536e+01, 1.3900e-02, 1.2330e+00],  
 [3.9508e+01, 5.4767e-01, 2.0065e+00],  
 [1.6597e+02, 6.4009e-01, 4.3893e+00],  
 [5.7183e+00, 2.5668e-03, 2.5959e-01],  
 [1.8394e+01, 5.1679e-02, 6.4587e-01],

[2.4612e-01, 7.1198e-05, 3.1967e-02],  
 [1.7354e+02, 4.8405e+00, 4.2493e+00],  
 [2.7422e+00, 3.0309e-03, 3.7160e-01],  
 [1.9995e+00, 9.7081e-05, 1.3591e-01],  
 [3.5642e-02, 7.3824e-07, 4.8501e-03],  
 [1.4618e+02, 4.9218e+00, 3.7193e+00],  
 [2.4028e+00, 2.8148e-04, 1.5200e-01],  
 [1.3769e+00, 2.4005e-05, 7.8406e-02],  
 [8.4499e+00, 4.8187e-03, 9.8211e-01],  
 [1.4028e+00, 8.1066e-04, 1.4131e-01],  
 [2.5140e+01, 1.7473e-01, 1.0809e+00],  
 [2.2453e+00, 5.8561e-04, 1.9305e-01],  
 [3.9083e+01, 2.6317e-01, 1.9352e+00],  
 [3.0731e+00, 1.4470e-03, 1.5356e-01],  
 [8.9328e+00, 2.3873e-02, 4.9745e-01],  
 [6.0141e+01, 5.4378e-01, 3.2210e+00],  
 [4.4754e+00, 3.3262e-03, 2.4403e-01],  
 [4.8511e+01, 1.0558e+00, 3.0681e+00],  
 [4.5637e-02, 5.7300e-07, 6.0744e-03],  
 [3.4476e-01, 7.7957e-05, 4.3405e-02],  
 [4.7125e+00, 6.5738e-03, 5.1694e-01],  
 [6.2845e-01, 7.0585e-05, 6.8997e-02],  
 [9.1636e-02, 9.5797e-07, 1.3712e-02],  
 [3.4857e+01, 1.0841e-01, 9.5485e-01],  
 [5.3741e-01, 7.3130e-05, 5.4460e-02],  
 [1.8800e+01, 4.9243e-02, 1.1240e+00],  
 [6.7241e+01, 1.9961e-01, 2.3535e+00],  
 [2.7896e+00, 5.0850e-03, 2.4227e-01],  
 [2.9785e+02, 1.7095e+00, 4.5953e+00],  
 [1.5358e-01, 5.9019e-06, 1.6290e-02],  
 [8.6724e-02, 4.9012e-06, 1.2213e-02],  
 [6.0097e+01, 7.3648e-01, 1.9826e+00],  
 [5.0347e+00, 3.5988e-03, 2.3500e-01],  
 [1.1481e+01, 5.2102e-04, 4.5126e-01],  
 [5.7274e+00, 9.9348e-04, 3.7126e-01],  
 [2.9189e-01, 1.9339e-05, 3.3284e-02],  
 [1.5665e+01, 7.9986e-03, 6.1888e-01],  
 [1.8836e-01, 6.4019e-06, 2.2473e-02],  
 [3.8591e+00, 1.6622e-03, 3.7944e-01],  
 [2.0798e+01, 7.2378e-03, 6.1668e-01],  
 [1.7750e+02, 1.4806e+00, 3.3663e+00],  
 [1.4177e-01, 6.9886e-06, 1.7536e-02],  
 [4.8469e-01, 1.0207e-04, 5.3909e-02],  
 [1.9923e+02, 4.8232e+00, 3.7740e+00],  
 [1.8423e+01, 1.8436e-01, 1.2530e+00],  
 [2.4422e+01, 1.0839e-01, 1.2123e+00],  
 [3.5629e+00, 3.4153e-03, 3.0915e-01],  
 [1.3735e-01, 1.0043e-06, 1.6680e-02],

[2.8406e+01, 1.4264e-01, 1.8353e+00],  
 [1.1243e+02, 1.6595e+00, 4.0757e+00],  
 [5.1822e+00, 4.5878e-04, 2.1112e-01],  
 [5.5156e+01, 1.1601e-01, 2.3619e+00],  
 [5.4482e-01, 1.3612e-04, 5.9698e-02],  
 [9.7010e-01, 7.9211e-05, 9.7500e-02],  
 [1.5269e+01, 5.1694e-02, 6.4197e-01],  
 [1.9894e-01, 1.9764e-05, 2.2932e-02],  
 [1.5616e+00, 3.5712e-04, 1.4936e-01],  
 [1.4998e-01, 7.7487e-06, 1.6381e-02],  
 [9.3450e-01, 3.4018e-04, 9.8723e-02],  
 [5.9141e-01, 5.4717e-05, 6.9372e-02],  
 [2.2082e+00, 3.1636e-04, 2.1154e-01],  
 [1.4855e+00, 2.9835e-03, 1.7950e-01],  
 [3.7266e-03, 1.2712e-08, 5.9007e-04],  
 [3.2761e+01, 2.2412e-01, 1.3346e+00],  
 [6.8871e-02, 1.5307e-06, 8.8124e-03],  
 [8.9626e+01, 3.2812e-01, 3.5458e+00],  
 [1.5953e+01, 5.6883e-03, 8.0861e-01],  
 [8.3867e+01, 2.1778e+00, 3.9040e+00],  
 [2.6693e-02, 2.1004e-07, 3.8737e-03],  
 [1.3024e+02, 5.8844e+00, 4.5514e+00],  
 [1.7951e+02, 8.0532e+00, 4.8397e+00],  
 [2.6251e+01, 3.4280e-02, 7.6752e-01],  
 [8.3009e+01, 1.9098e+00, 2.4532e+00],  
 [8.7387e+01, 5.8447e-02, 1.9446e+00],  
 [9.5439e-01, 1.9731e-04, 1.0383e-01],  
 [4.5839e+01, 6.0968e-01, 1.6781e+00],  
 [5.9408e+00, 1.1377e-03, 3.3034e-01],  
 [3.2775e+00, 1.6362e-03, 2.5871e-01],  
 [8.8364e+00, 2.2202e-02, 4.5715e-01],  
 [6.9548e+00, 3.1230e-03, 3.2505e-01],  
 [1.9576e-01, 1.5424e-05, 2.0630e-02],  
 [1.8091e+01, 4.6875e-02, 7.3296e-01],  
 [1.5135e+01, 2.2219e-02, 5.4187e-01],  
 [2.7163e-02, 1.8576e-07, 4.3248e-03],  
 [2.9222e-01, 4.4047e-05, 2.9320e-02],  
 [6.4355e+00, 1.8911e-02, 5.2860e-01],  
 [1.3037e+01, 1.1361e-02, 5.4126e-01],  
 [5.0702e+01, 1.1324e+00, 2.4933e+00],  
 [4.8678e+00, 3.5060e-03, 2.6829e-01],  
 [1.0670e+00, 2.4150e-04, 1.2294e-01],  
 [9.0075e+00, 4.4544e-02, 8.3397e-01],  
 [1.1522e+00, 1.6140e-04, 6.3338e-02],  
 [2.6872e+00, 2.1649e-03, 1.5956e-01],  
 [4.1565e+00, 3.8435e-03, 2.3644e-01],  
 [2.7811e+00, 1.9666e-03, 1.9387e-01],  
 [3.9338e-01, 3.7775e-05, 3.7024e-02],

```

[9.2697e-01, 7.2046e-05, 9.3785e-02],
[8.2622e+00, 3.1290e-02, 6.1383e-01],
[5.9818e-01, 1.0213e-04, 5.5728e-02],
[1.2486e+01, 4.1394e-02, 6.2160e-01],
[1.1233e+00, 1.3707e-04, 1.0797e-01],
[5.3570e+00, 2.1218e-03, 3.4032e-01],
[4.8294e+00, 6.4238e-04, 3.0438e-01],
[7.1953e+01, 3.1239e-01, 2.0036e+00],
[2.0077e+00, 2.8532e-04, 1.7134e-01],
[2.5703e+00, 6.5832e-04, 1.5908e-01],
[3.6746e+01, 6.2800e-01, 2.5585e+00],
[1.8122e+02, 1.7220e+00, 4.7035e+00],
[2.3139e+01, 5.3553e-02, 1.6832e+00],
[6.8056e-01, 1.1833e-04, 4.7702e-02],
[6.1748e-01, 1.1037e-04, 5.3456e-02],
[2.5802e+00, 9.0054e-04, 2.7853e-01],
[2.4658e-01, 9.2943e-06, 2.6083e-02],
[2.9314e-03, 2.3613e-09, 4.6899e-04],
[6.3856e+01, 2.5395e-01, 3.2019e+00],
[1.7926e+01, 6.4880e-03, 7.1085e-01],
[4.9607e-01, 7.1231e-06, 5.6220e-02],
[3.3521e+01, 4.8262e-02, 1.1236e+00],
[1.5174e+01, 2.3288e-02, 1.1129e+00],
[4.8048e-01, 6.1656e-05, 6.5729e-02],
[3.0532e-01, 4.8346e-05, 3.5180e-02],
[5.4440e+01, 7.7576e-01, 1.6855e+00],
[2.9811e-01, 1.0458e-05, 3.7299e-02],
[5.4898e-01, 1.3499e-04, 5.0620e-02],
[5.4036e-02, 6.1862e-07, 7.4374e-03],
[3.7952e+00, 2.4881e-03, 1.9978e-01],
[2.4304e+00, 2.8587e-03, 1.9112e-01],
[1.0313e+02, 9.4889e-01, 3.3119e+00],
[1.5833e-01, 2.9379e-05, 2.2669e-02],
[2.1996e+01, 4.3257e-02, 6.0222e-01],
[1.0825e+01, 6.1946e-03, 4.9874e-01],
[7.8015e+00, 1.0657e-02, 3.5191e-01],
[6.3067e-03, 4.4570e-09, 9.6350e-04],
[1.9677e+00, 1.5555e-03, 1.3922e-01],
[9.0214e-01, 3.0789e-05, 9.6734e-02],
[1.3949e+02, 2.9177e+00, 2.6809e+00],
[5.6850e+01, 8.2146e-01, 1.9840e+00],
[5.5846e+01, 1.6529e-01, 2.0644e+00],
[9.7000e+00, 3.0836e-03, 3.3676e-01],
[7.6410e+00, 2.6591e-03, 2.7033e-01]], dtype=torch.float64)
Iteration: 220
Inputs: tensor([[7.2082e+18, 6.5842e+01, 1.2209e+01, 2.4055e+00],
                [2.1338e+18, 2.4590e+02, 1.3830e+01, 4.6872e+00],
                [6.1911e+18, 3.3197e+02, 1.9017e+01, 4.6861e+00],

```

```

...,
[3.0924e+19, 2.4673e+02, 8.7408e+00, 5.9834e+00],
[2.1293e+18, 7.2808e+01, 5.1949e+00, 2.8745e+00],
[1.8631e+20, 2.2262e+02, 1.0978e+01, 1.0795e+00]], dtype=torch.float64)
Target: tensor([[3.2946e-02, 2.7983e-07, 5.0252e-03],
[1.1878e-01, 5.1359e-06, 1.4823e-02],
[7.3315e-01, 1.8284e-04, 7.4945e-02],
[5.6293e+01, 7.2142e-01, 1.7072e+00],
[1.8051e-01, 3.3799e-05, 2.5252e-02],
[6.5557e+01, 6.9324e-01, 3.2892e+00],
[1.2682e+02, 4.9389e-01, 2.2113e+00],
[2.3717e+01, 1.1679e-01, 7.9664e-01],
[2.6345e+01, 1.7220e-01, 1.3886e+00],
[2.3784e+01, 1.4411e-01, 1.6191e+00],
[1.7483e+01, 3.1440e-02, 1.2274e+00],
[3.2090e+01, 3.2101e-01, 1.4083e+00],
[9.8830e-01, 5.2310e-04, 8.0441e-02],
[1.4619e+02, 6.4402e+00, 4.0280e+00],
[6.3020e+00, 3.8962e-03, 5.2419e-01],
[1.1967e-01, 5.2067e-06, 1.4563e-02],
[6.6439e+00, 2.1222e-02, 4.7677e-01],
[4.9492e+01, 4.0965e-01, 1.0969e+00],
[4.9022e-01, 7.1485e-05, 5.6839e-02],
[1.2719e+00, 4.1278e-04, 9.9903e-02],
[6.5385e+00, 4.0098e-03, 5.6751e-01],
[1.5686e-01, 5.4461e-06, 1.9874e-02],
[4.3358e-01, 6.6549e-05, 5.8593e-02],
[3.2144e+01, 1.3105e-01, 1.1158e+00],
[7.1188e-01, 3.3203e-04, 6.6088e-02],
[7.5042e+01, 8.9198e-01, 1.6936e+00],
[2.4086e+00, 5.7115e-03, 2.3970e-01],
[8.2486e-01, 1.3575e-04, 5.9921e-02],
[1.9645e+00, 4.5885e-04, 1.1280e-01],
[8.3192e+01, 1.4460e+00, 1.9447e+00],
[1.0437e+02, 4.1982e-01, 2.3920e+00],
[2.8613e+00, 1.0998e-03, 1.6414e-01],
[3.8031e+01, 7.0476e-02, 1.1949e+00],
[4.9205e+01, 2.2245e-01, 1.6627e+00],
[5.2707e-02, 5.6352e-07, 7.9080e-03],
[5.9125e+01, 5.5141e-01, 2.2803e+00],
[4.4951e+00, 1.6494e-03, 2.8664e-01],
[2.9239e+00, 4.9631e-03, 3.0098e-01],
[1.3831e-01, 1.4191e-05, 1.6475e-02],
[8.9729e-01, 4.9219e-05, 1.1747e-01],
[1.0951e+00, 2.4221e-04, 7.6969e-02],
[9.8618e+01, 1.4796e+00, 2.0928e+00],
[1.4958e+00, 1.1765e-03, 1.1815e-01],
[2.5232e-02, 8.6271e-08, 3.5769e-03],

```



[3.6071e+00, 2.3048e-03, 3.5074e-01],  
[5.3703e+01, 9.2490e-02, 3.2569e+00],  
[2.9631e+01, 1.8218e-01, 1.1442e+00],  
[4.8910e-02, 1.2284e-06, 6.6622e-03],  
[2.7805e+00, 8.7655e-04, 1.7255e-01],  
[1.7945e+00, 4.0690e-05, 1.6421e-01],  
[3.1699e+00, 2.5151e-03, 3.8505e-01],  
[2.1643e+02, 6.4711e+00, 4.1673e+00],  
[8.3396e-01, 3.4067e-05, 6.5323e-02],  
[4.2121e+01, 2.4613e-01, 1.2088e+00],  
[1.5545e+01, 1.1154e-02, 4.4029e-01],  
[7.9828e-01, 1.8281e-04, 5.8183e-02],  
[1.7089e+01, 6.0706e-02, 1.6435e+00],  
[6.9152e-01, 2.4799e-04, 7.2407e-02],  
[1.5661e+02, 4.2113e+00, 3.9395e+00],  
[1.8063e+01, 5.4764e-02, 5.8285e-01],  
[2.9024e+00, 6.6776e-03, 2.5773e-01],  
[1.0763e-02, 7.8866e-08, 1.6709e-03],  
[2.3522e+02, 1.6283e+00, 4.8763e+00],  
[1.4296e+01, 1.2477e-01, 1.2545e+00],  
[9.8959e+01, 1.2533e+00, 2.2905e+00],  
[3.4392e+00, 1.5974e-03, 2.3321e-01],  
[9.2520e-01, 4.4544e-04, 8.1800e-02],  
[8.6362e+01, 1.5250e+00, 2.8842e+00],  
[1.4093e+00, 1.0535e-04, 1.2925e-01],  
[1.4255e+02, 4.6089e+00, 4.4948e+00],  
[2.9482e+01, 1.8658e-01, 1.6327e+00],  
[4.7652e-01, 6.2589e-05, 4.1558e-02],  
[3.6610e+00, 9.9196e-04, 2.3269e-01],  
[2.3126e+00, 8.6836e-04, 2.2717e-01],  
[5.0263e+00, 2.4090e-02, 5.4563e-01],  
[6.0714e-02, 1.8149e-06, 8.7360e-03],  
[9.4441e+00, 1.7375e-02, 9.1725e-01],  
[2.2387e+00, 1.0127e-03, 1.8711e-01],  
[4.5317e-01, 1.2931e-05, 4.4265e-02],  
[2.3239e-02, 8.1650e-07, 3.3867e-03],  
[4.1824e-01, 1.2963e-04, 4.2971e-02],  
[1.2402e+01, 2.9307e-02, 6.3579e-01],  
[5.1141e-02, 2.5396e-06, 6.9975e-03],  
[3.6026e+01, 8.1269e-02, 2.0655e+00],  
[1.7315e+01, 1.2287e-01, 7.3393e-01],  
[5.1173e+00, 3.2566e-03, 3.3310e-01],  
[5.4740e-01, 2.0637e-05, 6.2580e-02],  
[1.2129e+00, 2.8164e-04, 1.1312e-01],  
[1.2600e+01, 4.4541e-02, 6.0021e-01],  
[1.0997e+00, 3.7710e-04, 1.0133e-01],  
[9.5599e-01, 1.2962e-04, 9.9038e-02],  
[6.7060e-01, 1.1361e-04, 6.8805e-02],

[8.0311e+00, 4.6356e-03, 3.7869e-01],  
[5.8837e+01, 7.0347e-01, 2.0796e+00],  
[3.6294e-01, 5.5273e-06, 4.5224e-02],  
[5.2990e+00, 1.2465e-02, 4.7179e-01],  
[3.9359e-01, 9.0256e-05, 4.1995e-02],  
[3.4101e+01, 5.3746e-02, 1.1429e+00],  
[2.1720e+02, 2.7390e+00, 4.5470e+00],  
[1.4408e+02, 1.1237e+00, 3.3890e+00],  
[1.1681e-01, 5.2151e-07, 1.3703e-02],  
[1.0116e+02, 5.4226e-01, 3.5479e+00],  
[1.8428e+02, 5.1756e+00, 4.0884e+00],  
[5.2370e+01, 9.4043e-01, 1.8961e+00],  
[2.1204e-01, 5.2582e-05, 2.7059e-02],  
[6.3648e+01, 8.6993e-01, 2.5766e+00],  
[5.7677e+00, 2.2816e-03, 4.6709e-01],  
[1.1293e+01, 1.7097e-02, 4.8233e-01],  
[1.6491e+00, 1.3700e-03, 1.2380e-01],  
[1.4955e+02, 2.2385e+00, 3.0682e+00],  
[7.5674e-02, 4.4713e-06, 9.2014e-03],  
[3.9984e+00, 1.3657e-03, 4.1776e-01],  
[5.3508e+01, 1.9386e-02, 1.6899e+00],  
[8.5188e+00, 1.1060e-02, 7.0298e-01],  
[3.2633e+00, 1.8168e-03, 3.1801e-01],  
[2.1487e+00, 1.5424e-03, 1.4659e-01],  
[8.6316e-01, 1.2008e-04, 6.9592e-02],  
[5.0565e-01, 2.9868e-05, 6.7789e-02],  
[1.0643e+00, 4.6553e-04, 1.2109e-01],  
[8.4370e+01, 4.0154e-01, 3.0238e+00],  
[4.6120e+00, 3.3501e-03, 3.4279e-01],  
[1.4404e+02, 9.3837e-02, 3.0763e+00],  
[7.2849e-02, 4.4877e-07, 9.0686e-03],  
[6.6716e+00, 5.7713e-03, 4.3305e-01],  
[1.0282e+01, 1.6432e-02, 3.5516e-01],  
[5.9641e-01, 1.6639e-04, 6.3320e-02],  
[6.5243e-01, 1.6117e-04, 5.3074e-02],  
[6.9907e+01, 6.5100e-01, 2.1839e+00],  
[8.1281e-01, 7.7316e-05, 5.8317e-02],  
[2.8842e+00, 9.2762e-04, 3.3361e-01],  
[5.3558e+01, 1.3957e-01, 1.1180e+00],  
[3.4877e+01, 7.8331e-02, 1.4374e+00],  
[3.3810e-02, 1.5255e-06, 4.9328e-03],  
[7.3108e+00, 3.9640e-03, 4.3124e-01],  
[5.4860e-01, 1.5979e-04, 7.3327e-02],  
[1.7709e-01, 2.1677e-06, 2.3229e-02],  
[4.4134e-01, 8.3948e-06, 3.1202e-02],  
[1.5957e+01, 6.7802e-03, 6.6236e-01],  
[2.2430e+01, 6.2396e-02, 8.7500e-01],  
[1.3924e+02, 3.3740e+00, 3.6048e+00],

[1.3435e-01, 5.5240e-06, 1.4497e-02],  
[1.3904e-01, 2.8981e-06, 1.7350e-02],  
[4.2085e+01, 7.6862e-01, 2.3807e+00],  
[9.0811e+01, 1.1604e-01, 2.0803e+00],  
[8.3755e+01, 1.3809e+00, 3.2035e+00],  
[1.1634e+00, 1.8489e-04, 7.4315e-02],  
[2.8995e+00, 3.8031e-03, 2.1757e-01],  
[4.8058e+00, 1.3486e-02, 5.1418e-01],  
[6.2386e+00, 4.8151e-03, 3.1641e-01],  
[1.0601e+02, 2.5409e+00, 2.4971e+00],  
[2.6737e-02, 1.4371e-07, 3.8106e-03],  
[3.4598e-02, 1.2797e-06, 5.1897e-03],  
[8.6427e+01, 6.2627e-01, 3.2549e+00],  
[1.7695e+01, 2.1803e-02, 1.0577e+00],  
[1.9251e+00, 2.5667e-03, 1.9509e-01],  
[4.7186e-02, 2.9847e-07, 6.2609e-03],  
[2.8721e+01, 1.9825e-01, 9.1971e-01],  
[4.5234e-01, 7.8090e-05, 3.9309e-02],  
[2.3996e+00, 3.2214e-04, 1.4840e-01],  
[8.8836e-02, 8.2438e-06, 1.1295e-02],  
[4.0316e+01, 1.5050e-01, 1.2603e+00],  
[1.1573e+01, 6.9823e-02, 7.2617e-01],  
[2.1713e+02, 1.1742e+01, 4.4561e+00],  
[1.5216e+00, 2.9421e-04, 1.0669e-01],  
[1.0416e+01, 1.7470e-03, 7.5586e-01],  
[7.5278e+00, 2.5066e-03, 3.5483e-01],  
[1.6657e+01, 1.3133e-01, 8.9560e-01],  
[9.8826e-02, 5.2182e-06, 1.1393e-02],  
[2.3448e+01, 2.1423e-02, 1.3037e+00],  
[1.0903e-03, 6.0140e-10, 1.7655e-04],  
[9.4859e-02, 3.9933e-06, 1.1100e-02],  
[9.2026e-01, 5.5486e-05, 7.8983e-02],  
[1.6333e+02, 6.6730e+00, 3.6582e+00],  
[2.7395e+01, 3.4104e-01, 1.6147e+00],  
[7.2360e-02, 2.2881e-06, 1.0385e-02],  
[6.4753e+01, 9.7249e-01, 1.8155e+00],  
[5.5291e+00, 3.1150e-03, 2.6486e-01],  
[1.7362e+00, 8.8739e-04, 1.4029e-01],  
[2.3378e+02, 2.5497e+00, 4.2392e+00],  
[2.6056e+01, 1.9660e-01, 8.8872e-01],  
[5.3280e+01, 3.5737e-01, 2.5976e+00],  
[1.2268e+01, 1.0782e-02, 8.8333e-01],  
[8.5802e+01, 5.7631e-01, 2.0984e+00],  
[6.3240e+00, 2.6446e-03, 2.7157e-01],  
[8.2411e-01, 7.3331e-04, 9.0557e-02],  
[1.0323e+01, 5.9480e-03, 4.5288e-01],  
[1.2328e-01, 2.6537e-06, 1.3855e-02],  
[2.2566e+01, 1.0500e-02, 6.8804e-01],

[8.5734e-01, 9.1028e-05, 5.8881e-02],  
 [5.4985e+01, 3.6442e-01, 1.4695e+00],  
 [1.2408e+02, 4.9985e-01, 2.7969e+00],  
 [7.1042e+01, 6.8504e-01, 2.0583e+00],  
 [9.9186e-01, 3.1422e-04, 8.5711e-02],  
 [9.0723e+00, 1.5590e-02, 4.8276e-01],  
 [2.2180e-02, 4.5940e-08, 3.2732e-03],  
 [3.7197e+01, 2.2453e-01, 1.2317e+00],  
 [1.1960e+00, 3.8392e-05, 9.6461e-02],  
 [5.6234e+00, 6.8725e-04, 3.9852e-01],  
 [7.7707e+01, 7.9042e-01, 1.8650e+00],  
 [6.6861e+00, 6.3229e-03, 3.4374e-01],  
 [2.8435e+02, 6.6767e+00, 4.6182e+00],  
 [1.1434e-02, 1.1630e-07, 1.7410e-03],  
 [1.3573e+02, 1.7129e+00, 2.8631e+00],  
 [4.6986e-01, 1.1302e-04, 4.8152e-02],  
 [1.8250e+01, 1.5299e-01, 1.0017e+00],  
 [1.0788e+00, 3.3617e-04, 7.8458e-02],  
 [1.1546e+02, 1.1437e-01, 2.5538e+00],  
 [2.5226e+01, 7.8345e-03, 7.8652e-01],  
 [8.0830e+00, 1.1405e-02, 3.3559e-01],  
 [3.4090e-01, 1.6807e-05, 3.2005e-02],  
 [1.0676e+01, 1.9923e-02, 5.1839e-01],  
 [3.0864e+01, 2.0939e-02, 1.7660e+00],  
 [1.5674e+02, 4.2780e+00, 3.5544e+00],  
 [1.6784e+01, 1.4016e-02, 5.9015e-01],  
 [2.5543e-01, 1.9483e-05, 3.6269e-02],  
 [9.3841e+01, 2.2216e-01, 2.9318e+00],  
 [7.6041e+01, 1.7161e-01, 3.1316e+00],  
 [5.5405e+01, 8.2770e-02, 1.6117e+00],  
 [1.9179e+00, 3.7597e-04, 1.2363e-01],  
 [1.8226e+02, 5.6064e+00, 4.5286e+00],  
 [3.5144e-01, 2.2476e-05, 3.1775e-02],  
 [2.8390e-02, 1.3598e-06, 4.3733e-03],  
 [3.2759e-03, 2.2994e-09, 5.1728e-04],  
 [9.9734e-03, 1.4871e-07, 1.5243e-03],  
 [5.0470e-01, 2.4101e-04, 5.5719e-02],  
 [1.0824e+01, 3.2221e-03, 4.9604e-01],  
 [3.3297e+01, 3.6245e-01, 1.0354e+00],  
 [1.0017e+01, 2.4621e-02, 8.0070e-01],  
 [1.5217e+02, 1.5439e+00, 3.4774e+00],  
 [9.3820e+00, 5.8159e-02, 6.2516e-01],  
 [2.7099e+00, 4.4472e-04, 3.0902e-01],  
 [3.2860e+01, 6.1115e-02, 1.7774e+00],  
 [2.7846e+01, 2.2974e-02, 1.5049e+00],  
 [3.0423e+00, 6.4014e-04, 3.8434e-01],  
 [4.9774e+01, 2.7481e-01, 1.8978e+00],  
 [7.7336e+00, 7.3590e-03, 5.2067e-01],

[6.2721e+00, 9.8080e-03, 5.1431e-01],  
[1.6556e-01, 3.1649e-06, 1.9792e-02],  
[1.2556e+01, 2.5069e-02, 5.8534e-01],  
[7.8781e+01, 6.6368e-01, 2.7983e+00],  
[5.0000e-01, 5.0181e-05, 3.7743e-02],  
[9.4797e-01, 3.7951e-04, 8.8113e-02],  
[1.3820e-01, 3.7762e-06, 1.8214e-02],  
[1.8401e-01, 2.9836e-05, 1.9924e-02],  
[1.5458e+00, 2.4328e-04, 1.3123e-01],  
[1.2593e-01, 6.0408e-06, 1.6033e-02],  
[1.3350e+00, 9.4765e-04, 1.4652e-01],  
[7.8096e-02, 4.5358e-07, 1.0310e-02],  
[6.4961e+01, 2.7574e-01, 1.6652e+00],  
[9.1227e-01, 1.8376e-04, 8.8376e-02],  
[6.3304e+00, 3.0263e-02, 6.0049e-01],  
[9.4451e+00, 1.4434e-03, 4.2102e-01],  
[9.5952e+00, 2.5380e-03, 3.5892e-01],  
[2.1246e+01, 4.3227e-02, 8.4955e-01],  
[3.3875e-01, 1.7485e-05, 4.2573e-02],  
[2.3998e+00, 2.0028e-03, 2.9742e-01],  
[1.6105e+00, 1.4304e-03, 1.2678e-01],  
[4.6305e+01, 5.1702e-02, 1.1687e+00],  
[2.1973e-02, 1.3446e-07, 3.2455e-03],  
[3.0401e-02, 1.8607e-07, 4.2962e-03],  
[1.8144e-02, 3.1475e-07, 2.6701e-03],  
[1.8028e+01, 5.8875e-02, 8.7508e-01],  
[3.6915e+00, 3.5394e-03, 3.2584e-01],  
[1.0290e-01, 7.3697e-06, 1.2557e-02],  
[1.0690e-01, 1.4681e-06, 1.4502e-02],  
[1.2269e+00, 3.2976e-04, 9.2850e-02],  
[1.4046e+01, 8.9577e-03, 7.0123e-01],  
[7.3592e+00, 6.5410e-03, 6.4042e-01],  
[2.1805e+02, 4.8891e+00, 3.5872e+00],  
[1.3148e+00, 3.4937e-04, 8.7214e-02],  
[4.4502e+01, 4.4043e-01, 1.5867e+00],  
[3.8715e-02, 2.9211e-07, 5.1718e-03],  
[4.5730e+01, 1.1625e-01, 1.9909e+00],  
[1.5053e+01, 2.5235e-02, 5.3886e-01],  
[2.5138e+00, 3.9584e-04, 1.4109e-01],  
[8.7543e-01, 3.4254e-04, 6.9066e-02],  
[1.4500e+01, 8.4771e-02, 6.9253e-01],  
[5.1563e+01, 5.4383e-01, 1.4162e+00],  
[9.7796e+00, 1.0757e-02, 1.0090e+00],  
[7.4431e-01, 2.3543e-05, 5.2348e-02],  
[6.2067e-01, 4.3145e-05, 7.7609e-02],  
[1.0126e+01, 1.5176e-02, 5.4329e-01],  
[1.1277e-01, 5.4271e-06, 1.6659e-02],  
[3.1087e-02, 2.3364e-07, 4.4119e-03],

```

[1.4071e-01, 6.1578e-06, 1.5903e-02],
[4.9929e+01, 4.4429e-01, 1.4222e+00],
[1.5720e+01, 1.6711e-02, 1.1678e+00],
[6.3233e+00, 1.0634e-03, 3.1621e-01],
[1.1164e+01, 3.9800e-03, 7.9009e-01],
[9.4472e+00, 4.3854e-03, 8.6285e-01],
[1.5725e+01, 2.6998e-02, 7.5543e-01],
[9.5945e+01, 2.6320e+00, 3.2104e+00],
[5.0242e-03, 3.0155e-09, 7.9822e-04],
[8.3975e+00, 1.3894e-02, 5.5940e-01],
[1.0274e+00, 9.7808e-05, 9.5499e-02],
[7.4264e-01, 1.8982e-04, 5.2545e-02],
[1.2143e+00, 1.4850e-04, 8.9899e-02],
[7.2426e-02, 4.8577e-06, 8.9417e-03],
[6.2475e-02, 1.1925e-06, 8.1661e-03],
[7.4666e-01, 5.8743e-05, 9.1926e-02],
[2.7707e+01, 2.6927e-01, 1.1305e+00],
[1.0496e+02, 2.8128e-01, 1.9551e+00],
[2.3080e+01, 2.0660e-02, 1.7049e+00],
[3.7901e-02, 5.9338e-07, 5.2867e-03],
[8.9409e+00, 1.4148e-02, 9.5185e-01],
[2.5703e+01, 9.8727e-02, 9.1596e-01],
[2.4714e+02, 1.0076e+01, 4.9050e+00],
[2.5092e+01, 1.6260e-01, 8.2212e-01],
[3.4080e+00, 4.1531e-03, 2.2767e-01],
[1.6605e-01, 1.0880e-05, 2.4268e-02],
[1.2304e+01, 1.9262e-02, 6.7980e-01],
[1.9954e-01, 3.3225e-05, 2.4122e-02],
[4.5335e-01, 4.3595e-05, 5.6911e-02],
[8.0133e-01, 5.6636e-06, 5.5758e-02],
[2.7664e+00, 1.1270e-03, 3.3507e-01],
[7.4495e+01, 5.4830e-01, 2.0951e+00],
[2.6268e+01, 3.6262e-02, 1.4199e+00],
[1.1257e+01, 1.8977e-02, 5.6833e-01],
[2.1840e-02, 6.9589e-08, 3.2333e-03],
[9.5107e+00, 4.2364e-03, 8.5905e-01]], dtype=torch.float64)
Iteration: 221
Inputs: tensor([[3.0281e+19, 1.8922e+02, 8.2075e+00, 2.7646e+00],
[1.4092e+20, 2.4213e+02, 1.5741e+01, 6.7748e+00],
[7.8350e+20, 4.8556e+02, 1.1990e+01, 1.5809e+00],
...,
[1.1055e+20, 4.5227e+01, 3.8902e+00, 1.0578e+00],
[1.9084e+18, 2.4659e+02, 1.5471e+01, 4.3190e+00],
[1.1973e+19, 4.7828e+01, 8.3002e+00, 9.0937e+00]], dtype=torch.float64)
Target: tensor([[4.6771e+00, 1.8424e-03, 3.6997e-01],
[3.4111e+01, 2.8992e-01, 1.4946e+00],
[9.8758e+01, 2.9201e-01, 3.9305e+00],
[5.5525e-01, 9.9187e-05, 4.6807e-02],

```

[1.1833e+01, 3.8619e-02, 6.5581e-01],  
[2.7558e-01, 1.1630e-05, 3.3534e-02],  
[2.3588e+01, 1.1269e-01, 6.9918e-01],  
[2.0926e+01, 2.0183e-01, 1.3092e+00],  
[8.8398e-01, 1.8584e-04, 8.0858e-02],  
[1.3849e+00, 3.3990e-04, 1.3161e-01],  
[3.6013e+00, 3.6908e-03, 2.4021e-01],  
[1.8097e+01, 3.4192e-02, 1.3856e+00],  
[1.0966e-03, 1.5901e-09, 1.7713e-04],  
[2.4113e+01, 1.2950e-01, 8.5672e-01],  
[2.4635e+01, 5.7863e-02, 1.2673e+00],  
[9.4818e+00, 3.4151e-02, 6.1139e-01],  
[4.8386e-01, 7.5141e-05, 3.8917e-02],  
[3.5202e+01, 1.4379e-01, 1.4137e+00],  
[2.0202e+02, 1.2551e+01, 4.4652e+00],  
[2.0181e+02, 2.5434e+00, 4.9301e+00],  
[1.9486e-02, 8.4861e-08, 2.7899e-03],  
[3.1188e-01, 4.5433e-06, 3.4098e-02],  
[4.9389e+00, 7.7800e-03, 4.6780e-01],  
[4.4510e-02, 3.1394e-06, 6.4594e-03],  
[9.7476e-01, 1.4517e-04, 7.1008e-02],  
[5.6676e+01, 1.2984e-01, 2.7819e+00],  
[4.2953e-01, 6.9737e-05, 5.6569e-02],  
[7.2657e+01, 1.0493e+00, 3.0943e+00],  
[8.0896e-02, 7.2081e-06, 1.2141e-02],  
[1.8999e+02, 7.8607e+00, 4.6519e+00],  
[6.6327e-01, 1.1541e-04, 6.1078e-02],  
[1.9673e+02, 1.9401e+00, 3.1716e+00],  
[1.4600e-01, 3.7169e-06, 1.7104e-02],  
[5.3929e+01, 1.0381e-01, 1.4254e+00],  
[1.8411e-01, 5.1105e-06, 2.6209e-02],  
[2.1150e-02, 3.1333e-07, 3.1085e-03],  
[7.8096e+00, 2.7593e-03, 4.1990e-01],  
[2.7391e+01, 3.8394e-02, 2.3112e+00],  
[1.7852e+02, 4.5213e+00, 4.7427e+00],  
[4.9819e-01, 7.0038e-05, 5.2938e-02],  
[1.3313e+02, 4.0479e+00, 2.9891e+00],  
[3.2959e+01, 1.1246e-01, 1.4820e+00],  
[6.6872e+01, 3.3761e-01, 1.5330e+00],  
[4.2106e+00, 5.2915e-04, 4.7745e-01],  
[1.2220e+00, 1.7609e-04, 7.9474e-02],  
[1.1706e+00, 3.3789e-04, 1.6373e-01],  
[4.1263e-02, 5.9783e-07, 5.8466e-03],  
[7.2016e-01, 6.5481e-05, 8.5627e-02],  
[2.0619e+00, 4.8432e-03, 2.6341e-01],  
[4.3857e-01, 2.0918e-05, 5.2172e-02],  
[1.4967e+02, 1.1944e+00, 2.8648e+00],  
[1.0896e+01, 1.5050e-02, 5.6339e-01],

[1.8900e-01, 1.3904e-05, 2.5445e-02],  
[3.5377e+01, 3.2000e-01, 1.4297e+00],  
[1.0033e+02, 7.1309e-01, 3.3225e+00],  
[3.4010e+00, 9.8771e-04, 1.7138e-01],  
[5.1271e-02, 4.9817e-07, 7.2911e-03],  
[3.0873e+01, 6.9689e-02, 1.4284e+00],  
[1.0802e+00, 5.2449e-04, 9.8967e-02],  
[9.7994e-02, 2.5704e-06, 1.4017e-02],  
[1.4237e+00, 1.9046e-04, 8.2374e-02],  
[6.5517e-01, 3.9497e-05, 7.0769e-02],  
[2.0188e-01, 1.5259e-05, 2.2692e-02],  
[4.0778e+00, 1.4010e-03, 2.5125e-01],  
[3.1604e+01, 1.9735e-01, 1.0270e+00],  
[4.6328e-02, 8.1329e-07, 6.0846e-03],  
[3.7694e-01, 2.3750e-05, 5.2291e-02],  
[1.3084e-01, 9.4637e-06, 1.6164e-02],  
[2.7287e+02, 9.0543e+00, 4.9009e+00],  
[9.1633e+01, 2.8729e-01, 3.0401e+00],  
[4.6146e+01, 4.3113e-02, 1.8180e+00],  
[6.3589e-02, 4.9800e-07, 8.8404e-03],  
[1.2910e+02, 2.9360e+00, 2.8357e+00],  
[7.6083e+00, 1.6764e-02, 4.1450e-01],  
[5.0827e+00, 1.6877e-02, 3.7576e-01],  
[5.7063e+01, 3.5335e-01, 1.8732e+00],  
[7.3968e+01, 1.6550e+00, 2.2484e+00],  
[1.0854e+02, 2.7596e+00, 3.0079e+00],  
[5.1373e+00, 3.7873e-03, 5.9218e-01],  
[4.9993e+00, 2.9209e-03, 3.0099e-01],  
[2.0893e-02, 6.6108e-08, 3.0449e-03],  
[5.0694e+01, 1.4540e-01, 1.9816e+00],  
[4.0190e+00, 2.9245e-03, 2.0959e-01],  
[1.9653e+02, 5.3810e+00, 4.7518e+00],  
[1.8364e+00, 1.5078e-03, 1.9312e-01],  
[1.3126e+01, 2.5060e-02, 4.5486e-01],  
[4.0835e+01, 3.0346e-01, 1.0594e+00],  
[3.2255e+01, 1.4291e-01, 1.0294e+00],  
[4.3870e+01, 2.0440e-01, 1.2212e+00],  
[2.7411e-01, 3.9466e-05, 3.5851e-02],  
[3.1820e+01, 6.9390e-02, 7.8925e-01],  
[2.7555e+00, 2.6045e-03, 1.6248e-01],  
[7.4043e-01, 2.6459e-04, 9.1068e-02],  
[1.6261e+01, 4.5789e-02, 5.6543e-01],  
[1.7889e+02, 9.7206e-01, 4.7372e+00],  
[2.1390e+00, 3.8850e-04, 1.5762e-01],  
[3.0434e+01, 2.7164e-02, 1.0655e+00],  
[7.9674e-01, 5.7751e-04, 9.3714e-02],  
[1.4770e+00, 8.7857e-04, 1.1176e-01],  
[9.2938e+01, 6.6289e-01, 2.8498e+00],



[9.7282e+01, 3.2885e-01, 3.6553e+00],  
[1.6292e+02, 6.7563e+00, 4.5609e+00],  
[1.7208e-01, 3.3964e-06, 2.2434e-02],  
[3.2650e-01, 1.3024e-05, 2.8200e-02],  
[1.0190e+00, 3.0859e-04, 8.2003e-02],  
[1.1495e+01, 1.4743e-02, 5.1807e-01],  
[6.2035e+00, 2.8023e-03, 4.3591e-01],  
[4.3309e+01, 7.5420e-01, 2.0059e+00],  
[3.1633e+01, 6.1921e-02, 8.4224e-01],  
[1.1265e+02, 3.6003e+00, 2.8029e+00],  
[1.8163e+01, 3.4005e-02, 5.3279e-01],  
[1.7356e-01, 5.2347e-06, 2.3370e-02],  
[1.4701e+02, 3.9122e+00, 3.2156e+00],  
[1.4502e+02, 4.3641e-01, 3.5455e+00],  
[5.1364e+01, 6.2966e-02, 1.9308e+00],  
[3.6905e-01, 1.0553e-04, 4.2993e-02],  
[1.0488e-02, 4.0718e-08, 1.6476e-03],  
[5.7630e-02, 1.0254e-06, 9.0110e-03],  
[9.9716e+01, 8.6041e-01, 2.9715e+00],  
[6.8912e-03, 9.3808e-09, 1.1074e-03],  
[1.0332e-01, 4.6311e-06, 1.1804e-02],  
[7.2962e+01, 4.0238e-01, 2.2738e+00],  
[2.6789e+00, 2.3336e-03, 2.8335e-01],  
[1.9172e+00, 6.4635e-04, 2.0188e-01],  
[1.4228e-02, 1.1677e-07, 2.0904e-03],  
[3.5716e+00, 1.9734e-03, 4.5802e-01],  
[1.6577e+00, 1.2016e-03, 2.2934e-01],  
[1.3564e+01, 2.2488e-02, 5.5009e-01],  
[2.9177e+01, 1.0917e-01, 1.0645e+00],  
[5.7607e+00, 8.3005e-03, 3.8159e-01],  
[1.3712e-02, 2.5751e-08, 2.0146e-03],  
[2.1310e+00, 9.2407e-04, 2.2660e-01],  
[9.5571e+01, 7.5703e-01, 1.7789e+00],  
[3.0198e+01, 5.5981e-02, 1.4172e+00],  
[6.2175e+01, 6.3455e-01, 2.6984e+00],  
[1.8846e+00, 5.2412e-04, 1.6084e-01],  
[1.9155e+01, 2.6302e-02, 5.0505e-01],  
[2.2043e+02, 2.0174e+00, 4.6469e+00],  
[5.6158e+00, 1.6302e-03, 4.3533e-01],  
[1.3730e+01, 2.9184e-02, 5.1692e-01],  
[1.7139e-04, 2.9597e-11, 2.8181e-05],  
[2.0588e+01, 4.4640e-02, 7.4089e-01],  
[6.8384e+00, 2.4325e-02, 4.0020e-01],  
[3.0235e+01, 1.4161e-01, 1.1784e+00],  
[3.7823e-01, 4.5440e-05, 4.1095e-02],  
[8.5043e-02, 2.3590e-07, 1.0730e-02],  
[2.1682e+02, 9.5613e+00, 4.5464e+00],  
[1.1497e+02, 3.4582e-01, 4.2617e+00],

[2.7429e+01, 2.2774e-01, 2.2039e+00],  
 [1.4158e+01, 2.4025e-02, 6.6811e-01],  
 [3.3869e+01, 3.0098e-01, 1.1034e+00],  
 [2.1667e+00, 3.7388e-03, 2.0077e-01],  
 [6.2587e-01, 2.3404e-05, 6.7716e-02],  
 [4.9665e-01, 1.0804e-04, 5.3937e-02],  
 [8.6334e-03, 1.4976e-08, 1.3409e-03],  
 [1.3740e-01, 1.4737e-05, 1.7217e-02],  
 [4.2917e+00, 2.0569e-03, 2.0532e-01],  
 [5.7739e+01, 6.2467e-01, 1.3159e+00],  
 [5.6821e+01, 2.2146e-01, 2.2374e+00],  
 [5.0986e+00, 2.5397e-02, 6.4188e-01],  
 [7.2991e-01, 1.1201e-04, 5.4381e-02],  
 [4.1051e-03, 3.9185e-09, 6.4105e-04],  
 [2.2251e+02, 1.6938e+00, 4.1732e+00],  
 [2.5110e+01, 7.2346e-02, 1.3357e+00],  
 [1.0995e+00, 4.4838e-04, 1.1426e-01],  
 [1.5669e+00, 7.1029e-05, 7.6372e-02],  
 [3.3055e+00, 4.7044e-04, 2.2107e-01],  
 [8.7553e+01, 9.0711e-01, 1.6482e+00],  
 [4.2031e-02, 4.9862e-07, 5.6747e-03],  
 [4.2779e+01, 8.2010e-02, 1.5623e+00],  
 [7.3069e+00, 3.1244e-02, 5.2819e-01],  
 [1.2241e+00, 1.5564e-04, 7.3237e-02],  
 [2.9210e+01, 4.8085e-02, 2.3353e+00],  
 [9.6076e+01, 1.8223e+00, 3.7108e+00],  
 [6.3670e-02, 7.7358e-07, 9.5373e-03],  
 [5.0113e+01, 1.3100e-01, 1.6550e+00],  
 [4.0020e-01, 3.0966e-05, 3.6578e-02],  
 [1.7951e+00, 2.1091e-04, 1.6812e-01],  
 [5.5488e-01, 1.1119e-04, 4.4313e-02],  
 [8.1062e+01, 1.4357e+00, 2.4831e+00],  
 [1.2802e+02, 2.1488e+00, 3.5188e+00],  
 [3.4033e+01, 2.6966e-01, 9.8629e-01],  
 [4.8251e-01, 4.2981e-05, 3.8759e-02],  
 [2.4655e-01, 9.5578e-06, 2.5523e-02],  
 [4.8945e+00, 5.1550e-03, 3.5359e-01],  
 [7.1740e+01, 8.2303e-01, 2.5072e+00],  
 [6.2464e+00, 2.3701e-03, 3.4417e-01],  
 [2.0902e-01, 6.8343e-07, 2.6843e-02],  
 [4.6849e-02, 8.1425e-08, 6.8316e-03],  
 [2.3511e+01, 9.1856e-02, 1.3452e+00],  
 [4.2818e-01, 7.8512e-05, 5.2343e-02],  
 [4.4787e+01, 3.4502e-01, 1.1907e+00],  
 [1.3986e+01, 4.9477e-02, 7.0098e-01],  
 [5.5088e+01, 3.8095e-01, 2.2507e+00],  
 [6.7879e+01, 1.3877e-02, 1.8703e+00],  
 [4.1118e-02, 8.5471e-07, 5.8877e-03],

[1.4992e+00, 1.4503e-04, 1.1726e-01],  
[4.6532e-01, 1.1557e-04, 5.1695e-02],  
[1.1099e+02, 1.9129e+00, 3.4164e+00],  
[1.5803e+01, 6.4470e-02, 8.0121e-01],  
[4.6225e+01, 2.6202e-01, 2.8837e+00],  
[1.4550e+02, 2.7531e+00, 2.7141e+00],  
[6.7259e+01, 4.2834e-01, 2.0585e+00],  
[2.0694e+01, 2.3834e-01, 1.3338e+00],  
[1.6803e+01, 7.4200e-02, 7.4624e-01],  
[5.8295e+00, 5.7608e-03, 3.0686e-01],  
[6.1881e-02, 5.6934e-07, 7.9282e-03],  
[6.7470e-04, 4.9087e-11, 1.1057e-04],  
[5.8413e-01, 1.2376e-04, 4.3934e-02],  
[2.1453e+01, 9.1540e-02, 8.2251e-01],  
[4.9862e+00, 1.8238e-02, 4.0408e-01],  
[1.5504e-01, 1.5112e-05, 1.8396e-02],  
[6.6683e+01, 1.0794e+00, 1.9826e+00],  
[5.7566e-02, 2.2059e-06, 8.6968e-03],  
[1.2457e+02, 3.9071e+00, 3.4123e+00],  
[3.1285e-01, 1.6473e-05, 2.6797e-02],  
[8.9834e-01, 2.3855e-04, 8.7586e-02],  
[1.5259e-01, 9.1627e-06, 1.7337e-02],  
[7.6885e-01, 6.8514e-05, 6.7023e-02],  
[2.7457e+01, 1.6140e-02, 8.9473e-01],  
[5.1068e+01, 3.2770e-01, 2.0045e+00],  
[1.4977e+01, 4.7943e-02, 8.2324e-01],  
[3.9681e-01, 6.8489e-05, 3.7557e-02],  
[6.3881e-01, 4.5519e-05, 6.7613e-02],  
[2.0058e+02, 4.8360e+00, 3.6336e+00],  
[6.8503e+00, 6.9332e-03, 3.3507e-01],  
[1.0990e+01, 1.7241e-02, 5.1500e-01],  
[1.0132e+02, 1.9557e+00, 2.7803e+00],  
[1.6477e+02, 4.6588e+00, 4.5463e+00],  
[1.0547e-01, 3.3950e-07, 1.1903e-02],  
[2.7930e+00, 9.8888e-04, 2.2418e-01],  
[4.0307e+01, 3.3925e-01, 1.1031e+00],  
[2.5257e+00, 8.2766e-04, 2.5440e-01],  
[1.0030e+02, 6.9568e-01, 2.6039e+00],  
[8.3558e-02, 1.8671e-06, 9.9716e-03],  
[3.0932e+01, 1.1855e-01, 1.3199e+00],  
[1.9419e+02, 3.7691e+00, 3.1122e+00],  
[2.9140e-01, 2.0004e-05, 3.9030e-02],  
[6.4074e-01, 1.4788e-04, 6.9905e-02],  
[1.3009e-01, 7.0631e-07, 1.8934e-02],  
[2.6756e+01, 9.7325e-02, 1.2930e+00],  
[7.0620e-01, 2.8761e-04, 8.1487e-02],  
[1.4977e+01, 1.9074e-02, 5.5006e-01],  
[5.2271e-01, 2.5768e-05, 6.0796e-02],

[2.8612e+01, 2.4856e-01, 1.6520e+00],  
[1.6380e+01, 6.7383e-02, 1.1708e+00],  
[8.9096e+00, 2.1282e-02, 8.7614e-01],  
[1.2904e+02, 9.0608e-01, 3.1127e+00],  
[2.1443e+01, 6.5051e-02, 7.4042e-01],  
[1.8875e+01, 3.4552e-03, 1.0887e+00],  
[3.5601e+01, 5.4554e-01, 1.5536e+00],  
[3.4027e+01, 3.2380e-01, 1.2669e+00],  
[2.1962e+01, 9.8136e-02, 9.0797e-01],  
[1.1783e+02, 2.0356e+00, 2.8509e+00],  
[1.3341e+01, 2.2982e-02, 1.1813e+00],  
[9.0569e+01, 6.3702e-01, 3.5029e+00],  
[7.1500e+00, 2.2659e-02, 5.0936e-01],  
[1.0920e+01, 6.7990e-02, 6.2579e-01],  
[5.7393e+00, 4.2016e-03, 4.5189e-01],  
[2.1089e+01, 1.1138e-01, 7.6685e-01],  
[2.3919e+01, 1.0164e-01, 1.1460e+00],  
[5.1742e-01, 1.8230e-04, 4.8697e-02],  
[9.6155e+01, 1.3769e+00, 2.1204e+00],  
[1.1019e+01, 8.4778e-03, 3.8839e-01],  
[4.1481e+00, 1.4975e-03, 2.0297e-01],  
[2.0569e+01, 6.1802e-02, 1.6958e+00],  
[1.4242e+02, 3.9506e+00, 3.4762e+00],  
[8.1651e-01, 6.1521e-05, 8.0319e-02],  
[6.6952e+01, 9.3177e-02, 1.5126e+00],  
[4.9351e+01, 1.2066e+00, 3.1749e+00],  
[4.8609e-01, 4.8566e-05, 4.1038e-02],  
[5.3186e+01, 4.5019e-02, 2.5601e+00],  
[1.8099e+02, 3.0745e+00, 2.8672e+00],  
[5.4232e-01, 1.0894e-04, 5.0108e-02],  
[2.9600e+00, 3.9611e-03, 2.4650e-01],  
[1.0396e+01, 4.8389e-02, 6.9518e-01],  
[3.5611e+00, 4.8756e-03, 2.5838e-01],  
[8.9934e+01, 1.2226e+00, 3.6963e+00],  
[9.6180e+01, 1.3311e+00, 2.6221e+00],  
[4.4422e+01, 4.1853e-01, 1.9089e+00],  
[4.3761e-01, 5.6950e-05, 4.1010e-02],  
[3.6641e-01, 7.3669e-05, 4.6710e-02],  
[8.9398e+01, 8.3027e-01, 3.5370e+00],  
[6.6310e+01, 3.4138e-01, 1.5742e+00],  
[1.9830e-01, 1.3746e-05, 1.9559e-02],  
[1.2002e+00, 1.4201e-04, 1.1057e-01],  
[9.4720e+01, 8.8218e-01, 3.8383e+00],  
[2.2773e-02, 1.9086e-07, 3.4463e-03],  
[1.4825e-02, 1.3153e-07, 2.2600e-03],  
[8.3602e-01, 2.6642e-04, 7.8262e-02],  
[9.9940e+01, 9.3696e-01, 3.5818e+00],  
[2.6163e+01, 9.9502e-02, 9.0504e-01],

```

[4.7341e-02, 2.0706e-07, 6.3219e-03],
[2.0210e+02, 3.2282e+00, 3.9316e+00],
[1.5077e-02, 1.3540e-07, 2.2520e-03],
[3.8461e-01, 1.8256e-06, 3.3463e-02],
[4.5275e-01, 8.9801e-05, 4.9292e-02],
[9.7442e+01, 9.7318e-01, 2.0298e+00],
[4.8312e+01, 7.6433e-01, 2.7459e+00],
[4.5552e-03, 4.7432e-09, 7.1253e-04],
[1.0632e+00, 2.7544e-04, 1.1290e-01],
[9.2514e+00, 7.8713e-03, 4.3588e-01],
[3.4731e-03, 2.7362e-09, 5.5005e-04],
[3.0539e+00, 1.7657e-03, 1.9861e-01],
[6.7120e+01, 2.8157e-01, 2.0783e+00],
[9.3426e+01, 1.1770e+00, 2.2761e+00],
[3.3306e+01, 5.4136e-02, 9.7035e-01],
[5.6467e+00, 2.6640e-03, 2.9933e-01],
[2.2154e+01, 1.5520e-01, 8.2122e-01],
[6.9012e-01, 8.9163e-05, 9.8954e-02],
[3.1386e+01, 7.5915e-02, 1.3197e+00],
[5.2674e+01, 2.9987e-01, 1.1454e+00],
[3.5423e+01, 1.8534e-01, 1.8870e+00],
[7.3239e+01, 7.2212e-01, 2.6295e+00],
[9.7968e-01, 1.7613e-04, 8.4196e-02],
[1.6610e+00, 3.0807e-04, 1.3350e-01],
[1.6862e+02, 3.0952e+00, 4.1112e+00],
[1.7073e+00, 1.0408e-04, 2.1478e-01],
[7.5544e-02, 2.2736e-06, 9.9141e-03],
[3.7671e-01, 1.2001e-04, 4.8277e-02]], dtype=torch.float64)
Iteration: 222
Inputs: tensor([[1.8327e+19, 3.6553e+02, 9.9113e-01, 3.9033e+00],
[1.2423e+18, 1.8475e+02, 7.6683e+00, 7.5242e+00],
[2.3642e+20, 2.0872e+02, 1.6099e+01, 6.0617e+00],
...,
[7.4536e+18, 4.2301e+02, 1.0106e+01, 3.5663e+00],
[6.1790e+19, 1.5424e+02, 7.4158e+00, 5.7553e+00],
[3.7699e+20, 4.3850e+02, 9.3100e+00, 2.2495e+00]], dtype=torch.float64)
Target: tensor([[1.5313e+01, 4.9367e-03, 4.8449e-01],
[9.4353e-02, 4.0054e-06, 1.1305e-02],
[4.0412e+01, 3.7166e-01, 1.9172e+00],
[6.1412e+00, 5.6347e-03, 5.8163e-01],
[8.8024e+01, 1.9870e-01, 2.6336e+00],
[2.5503e+01, 3.2619e-02, 1.5432e+00],
[1.6099e+01, 5.0688e-02, 1.3378e+00],
[1.2497e-01, 3.6635e-06, 1.4036e-02],
[3.3639e+00, 1.3929e-03, 1.7522e-01],
[2.1799e+01, 1.2940e-01, 1.3337e+00],
[1.2497e+00, 3.8944e-04, 1.2574e-01],
[2.4097e+02, 3.1162e+00, 4.4496e+00],

```

[5.1126e-01, 1.2862e-04, 6.7447e-02],  
 [1.1282e+01, 2.7029e-02, 5.0384e-01],  
 [1.8134e+02, 3.6941e+00, 3.6454e+00],  
 [9.9210e-01, 1.5954e-05, 1.0507e-01],  
 [6.3690e+00, 9.7260e-03, 3.6951e-01],  
 [1.4435e+01, 5.7716e-02, 8.7749e-01],  
 [8.6315e+01, 6.9652e-01, 3.5497e+00],  
 [2.6291e+01, 2.1920e-01, 1.5923e+00],  
 [7.1347e+00, 5.4674e-03, 2.7259e-01],  
 [1.0194e-02, 2.6699e-08, 1.5449e-03],  
 [1.5173e+00, 6.6303e-04, 1.9022e-01],  
 [1.0990e+02, 8.3752e-01, 2.8510e+00],  
 [1.8697e+02, 4.6654e+00, 4.4327e+00],  
 [7.2112e+00, 1.7777e-02, 4.0822e-01],  
 [1.3724e+00, 1.5760e-04, 1.5167e-01],  
 [2.8779e-01, 7.1895e-06, 4.1399e-02],  
 [1.5813e-01, 2.7558e-05, 1.9879e-02],  
 [1.7652e+01, 4.2111e-03, 6.7275e-01],  
 [6.5669e+00, 1.3598e-03, 3.8627e-01],  
 [4.4256e-01, 5.3693e-05, 4.5233e-02],  
 [3.2274e+01, 3.8665e-02, 1.5018e+00],  
 [2.5099e+01, 3.3927e-02, 1.2859e+00],  
 [2.7606e+01, 1.0009e-01, 1.2232e+00],  
 [3.6400e+01, 1.7424e-01, 9.8688e-01],  
 [3.1649e+00, 5.2852e-04, 3.1681e-01],  
 [1.4482e+00, 3.3963e-04, 7.9875e-02],  
 [7.3347e-02, 4.9179e-06, 9.9098e-03],  
 [4.2540e-02, 1.2013e-06, 5.8434e-03],  
 [1.0496e-04, 2.3780e-12, 1.7362e-05],  
 [3.1068e-01, 3.0682e-05, 3.6626e-02],  
 [7.0242e-01, 1.1193e-04, 4.8171e-02],  
 [2.0327e+01, 5.2136e-02, 1.5432e+00],  
 [1.9543e+01, 4.9626e-02, 1.5988e+00],  
 [7.4528e+01, 1.0648e+00, 1.9704e+00],  
 [4.4931e-01, 1.3893e-04, 4.9459e-02],  
 [9.3829e+01, 1.1152e+00, 3.9335e+00],  
 [1.9152e+02, 4.8567e+00, 3.9949e+00],  
 [6.8126e+00, 3.8792e-03, 3.6120e-01],  
 [2.7945e+00, 6.3682e-04, 2.5540e-01],  
 [2.7330e+01, 1.1200e-01, 1.2050e+00],  
 [6.6042e+00, 1.6263e-02, 6.0990e-01],  
 [8.5341e+01, 1.2838e+00, 2.5743e+00],  
 [2.3727e+01, 2.9281e-02, 6.0972e-01],  
 [9.8500e+00, 2.2008e-03, 6.1715e-01],  
 [2.9002e-01, 1.1829e-05, 3.0916e-02],  
 [9.9634e+00, 7.5530e-03, 3.7304e-01],  
 [1.5818e-01, 4.8456e-06, 1.9661e-02],  
 [7.6958e+01, 8.1090e-01, 2.7680e+00],

[2.7074e+01, 8.4352e-02, 7.1802e-01],  
[5.9741e-02, 3.0017e-06, 8.3007e-03],  
[2.1710e+00, 6.7379e-04, 2.0458e-01],  
[1.6727e+02, 5.1098e+00, 3.2349e+00],  
[5.8818e+01, 6.3726e-01, 1.7831e+00],  
[2.9415e+01, 3.6333e-01, 2.3213e+00],  
[9.6216e+01, 1.2099e+00, 3.3907e+00],  
[8.0695e+01, 1.1459e+00, 1.7781e+00],  
[7.4981e+01, 5.2424e-01, 3.7274e+00],  
[3.5279e+01, 1.8417e-01, 1.6297e+00],  
[1.1180e+02, 1.4020e+00, 2.3905e+00],  
[4.1882e+01, 4.5448e-01, 1.4255e+00],  
[2.6609e-01, 7.7936e-05, 3.3112e-02],  
[5.1552e+01, 5.5458e-01, 2.3072e+00],  
[4.4448e-02, 8.2409e-07, 5.9696e-03],  
[1.6450e+01, 2.0380e-02, 9.7516e-01],  
[1.2067e+01, 4.5879e-02, 5.4388e-01],  
[7.5749e+01, 2.5183e-01, 1.7595e+00],  
[7.4061e+01, 1.5817e-01, 3.1193e+00],  
[6.0172e+01, 8.4308e-01, 2.6027e+00],  
[7.3224e+00, 2.2633e-02, 4.0144e-01],  
[3.7637e+01, 4.2824e-01, 1.6103e+00],  
[1.4294e-02, 3.9854e-08, 2.1190e-03],  
[4.7011e+00, 6.3228e-03, 2.7600e-01],  
[1.3579e+01, 5.7897e-02, 1.0885e+00],  
[3.7212e+01, 2.3693e-01, 1.3718e+00],  
[3.7956e-01, 7.7842e-05, 3.9834e-02],  
[4.4180e+00, 8.2585e-03, 4.8078e-01],  
[6.7302e-02, 6.3020e-07, 8.4272e-03],  
[5.0082e+00, 6.0180e-04, 3.4218e-01],  
[4.3180e+01, 1.6858e-01, 1.2052e+00],  
[7.4889e-03, 9.4441e-08, 1.1642e-03],  
[3.9673e+00, 1.3479e-02, 4.1023e-01],  
[1.2544e+01, 1.2531e-02, 5.5773e-01],  
[3.6472e-01, 5.7935e-05, 4.5709e-02],  
[8.9783e-01, 1.0446e-04, 6.7221e-02],  
[5.4095e-01, 9.8692e-05, 5.4497e-02],  
[1.3486e+02, 2.9634e+00, 3.8972e+00],  
[2.3860e+00, 2.0159e-04, 2.0820e-01],  
[1.1752e+02, 2.7965e+00, 3.3892e+00],  
[4.7236e+00, 5.5732e-05, 2.2459e-01],  
[1.1276e+02, 4.6929e-01, 3.8690e+00],  
[8.3120e-01, 4.4627e-04, 8.3056e-02],  
[4.5777e+00, 1.2521e-03, 2.2942e-01],  
[7.0436e+00, 8.0690e-03, 2.9151e-01],  
[6.5695e+00, 8.5390e-03, 7.7002e-01],  
[3.1920e+01, 1.8027e-01, 1.1045e+00],  
[1.0006e+00, 2.0386e-04, 9.6168e-02],

[2.1775e+01, 6.1627e-02, 1.4791e+00],  
[4.8732e+01, 6.3771e-01, 1.5689e+00],  
[1.1656e+01, 2.8234e-02, 7.3618e-01],  
[3.3124e+01, 7.6949e-02, 1.0513e+00],  
[1.9287e+01, 1.2284e-01, 1.1661e+00],  
[5.9932e+01, 2.3272e-01, 2.7715e+00],  
[1.1402e-02, 2.0753e-07, 1.7075e-03],  
[6.6427e+00, 4.9267e-03, 6.3287e-01],  
[4.1536e-01, 2.7242e-05, 3.1966e-02],  
[1.7961e-01, 7.8752e-06, 2.5242e-02],  
[1.6944e+02, 3.3286e+00, 4.0097e+00],  
[1.4033e+01, 5.1628e-02, 5.8101e-01],  
[4.0913e+01, 3.8852e-01, 1.1533e+00],  
[2.7710e+01, 8.4947e-02, 1.1745e+00],  
[3.5546e-02, 1.4637e-06, 4.8408e-03],  
[6.7772e+01, 2.6003e-01, 2.5845e+00],  
[1.0079e+01, 1.1146e-02, 9.2000e-01],  
[6.6432e-01, 1.0102e-04, 7.8637e-02],  
[2.7852e-01, 2.9071e-05, 2.9306e-02],  
[6.1482e-03, 1.9730e-09, 9.5405e-04],  
[1.2788e+00, 4.8248e-04, 1.2822e-01],  
[2.5329e+01, 1.7440e-01, 8.7759e-01],  
[3.0515e+00, 9.6167e-04, 3.0067e-01],  
[9.4037e+00, 4.0692e-02, 6.2774e-01],  
[1.5715e+02, 3.1033e+00, 3.1226e+00],  
[3.5543e+00, 1.4118e-03, 2.0095e-01],  
[3.2381e+00, 9.8653e-04, 1.3654e-01],  
[1.3072e+02, 1.2693e+00, 2.0842e+00],  
[3.2022e+00, 5.0397e-03, 2.6265e-01],  
[4.8067e-01, 1.5570e-05, 4.0370e-02],  
[3.2222e+01, 2.1511e-01, 8.5857e-01],  
[1.9871e+01, 8.2209e-02, 6.8581e-01],  
[2.2341e+01, 1.5705e-01, 1.8819e+00],  
[4.5103e+01, 8.4748e-02, 1.2749e+00],  
[4.5433e+00, 8.7879e-03, 3.6695e-01],  
[1.2330e-01, 3.5858e-06, 1.5608e-02],  
[2.9720e+01, 1.0027e-01, 1.1594e+00],  
[2.8381e+00, 3.0104e-04, 1.2645e-01],  
[1.3955e+02, 1.5817e+00, 4.2345e+00],  
[2.0434e+00, 4.4449e-05, 1.9039e-01],  
[4.2537e-02, 9.1075e-07, 5.9993e-03],  
[9.5032e+01, 1.0481e+00, 3.9860e+00],  
[4.6424e+01, 1.7855e-02, 2.5139e+00],  
[1.0612e+00, 1.5511e-04, 1.3220e-01],  
[1.4803e-01, 5.1025e-06, 1.6075e-02],  
[4.5909e+00, 1.1762e-03, 1.8130e-01],  
[1.0305e+00, 2.2100e-04, 8.3420e-02],  
[9.8634e-01, 1.3064e-04, 1.1030e-01],



[1.7563e+00, 8.5162e-04, 1.5755e-01],  
 [4.9452e+01, 2.4632e-02, 1.3474e+00],  
 [3.2967e+01, 1.0203e-01, 2.5714e+00],  
 [5.7684e+01, 9.0698e-02, 2.7209e+00],  
 [1.3912e-02, 3.9073e-08, 2.0823e-03],  
 [1.7598e+01, 2.0107e-02, 5.8333e-01],  
 [3.0312e-03, 1.7912e-09, 4.8232e-04],  
 [6.7629e-03, 4.9807e-08, 1.0421e-03],  
 [1.5154e+02, 2.6172e+00, 2.6072e+00],  
 [1.0280e+02, 1.7702e+00, 2.8295e+00],  
 [1.5862e+00, 9.0699e-04, 1.3851e-01],  
 [8.6711e+00, 1.7127e-02, 7.1121e-01],  
 [5.6371e-01, 2.3182e-05, 3.8254e-02],  
 [7.0029e+01, 1.3334e-01, 3.2062e+00],  
 [1.7779e+00, 4.0249e-04, 1.1298e-01],  
 [4.0801e+01, 6.3340e-02, 1.1317e+00],  
 [3.2109e-02, 2.1006e-07, 4.5943e-03],  
 [7.6492e-01, 7.0891e-05, 8.0108e-02],  
 [1.1570e+00, 3.3696e-04, 1.0649e-01],  
 [1.5009e+00, 5.8938e-04, 1.2620e-01],  
 [6.1775e-03, 4.3262e-08, 9.5500e-04],  
 [1.7452e+00, 9.2237e-04, 1.6331e-01],  
 [1.5302e-01, 6.0276e-06, 1.9937e-02],  
 [5.8500e-02, 9.7456e-07, 7.4024e-03],  
 [1.1510e+01, 4.2048e-02, 5.4685e-01],  
 [1.6804e+01, 1.2387e-02, 6.7027e-01],  
 [2.0685e-01, 1.0878e-05, 2.3278e-02],  
 [2.6453e+00, 6.6200e-04, 1.4081e-01],  
 [1.9767e-01, 3.8332e-05, 2.6870e-02],  
 [4.3693e+00, 1.2142e-02, 4.3152e-01],  
 [2.8250e-01, 9.1147e-06, 3.6295e-02],  
 [4.0441e+01, 8.0135e-02, 2.3012e+00],  
 [2.8239e+01, 1.2597e-01, 9.1031e-01],  
 [6.4151e+01, 1.5866e-01, 2.7813e+00],  
 [1.2838e+02, 2.6450e+00, 4.1325e+00],  
 [6.0681e-02, 4.5809e-07, 7.9100e-03],  
 [2.1466e+01, 2.6055e-02, 8.8512e-01],  
 [2.3875e-02, 1.6338e-07, 3.4653e-03],  
 [3.8057e-02, 8.4137e-07, 5.5755e-03],  
 [9.9759e-01, 2.2241e-04, 8.1827e-02],  
 [4.0654e+01, 5.1555e-01, 2.2318e+00],  
 [4.1691e+00, 5.9758e-04, 3.5695e-01],  
 [5.7195e-01, 2.6030e-04, 7.1637e-02],  
 [9.0786e+00, 2.4654e-02, 4.8651e-01],  
 [2.9744e+00, 6.5962e-03, 3.0896e-01],  
 [1.1624e+02, 7.5125e-01, 4.3987e+00],  
 [1.2329e+01, 1.9408e-02, 6.9101e-01],  
 [1.1457e+02, 3.9840e+00, 2.8931e+00],

[4.2026e+01, 2.7902e-01, 1.5033e+00],  
[1.2607e-01, 2.9919e-06, 1.7084e-02],  
[9.0853e-01, 1.6039e-04, 6.6031e-02],  
[1.3940e+01, 6.3223e-02, 9.4544e-01],  
[1.0416e+01, 2.1437e-02, 4.2784e-01],  
[1.0702e+02, 8.6195e-01, 3.0950e+00],  
[1.3111e+02, 6.2574e-02, 2.9974e+00],  
[4.4501e+00, 1.2442e-03, 2.1818e-01],  
[7.6467e-02, 1.1010e-06, 1.0816e-02],  
[2.0484e+01, 7.1376e-02, 1.0519e+00],  
[4.8476e-01, 1.7395e-04, 6.0343e-02],  
[5.1228e+00, 4.8728e-04, 2.3972e-01],  
[2.3800e+02, 5.2946e+00, 4.1823e+00],  
[7.2397e-01, 2.8410e-04, 6.3504e-02],  
[1.9485e+01, 7.8105e-02, 7.2599e-01],  
[3.2980e-02, 1.7057e-07, 4.8467e-03],  
[2.4613e+00, 4.1219e-03, 2.3239e-01],  
[7.5004e+01, 7.8931e-01, 1.9223e+00],  
[2.7625e+01, 4.3191e-02, 1.2307e+00],  
[2.7668e+02, 1.0347e+01, 4.8235e+00],  
[1.9743e+00, 2.0615e-03, 1.5439e-01],  
[1.6313e+00, 2.4535e-04, 1.5987e-01],  
[1.9490e-02, 5.7155e-08, 3.0093e-03],  
[6.7409e+01, 4.3438e-02, 2.3313e+00],  
[6.9586e+00, 4.9115e-03, 4.3352e-01],  
[1.6588e+00, 3.4059e-04, 1.1001e-01],  
[3.0090e+01, 5.6430e-02, 1.1256e+00],  
[2.8988e-01, 1.2311e-05, 3.5940e-02],  
[8.7156e+00, 1.1167e-02, 3.8909e-01],  
[2.9314e+00, 1.3999e-03, 2.4324e-01],  
[9.1175e+01, 1.4894e+00, 3.8882e+00],  
[3.8090e-02, 2.7243e-07, 5.4203e-03],  
[1.5878e+02, 3.6864e+00, 3.3649e+00],  
[7.0912e+00, 6.5438e-03, 4.3389e-01],  
[1.3885e+00, 2.0807e-03, 1.8613e-01],  
[1.6613e-01, 7.5959e-06, 1.7496e-02],  
[3.5770e+00, 5.7947e-03, 3.9826e-01],  
[6.2543e-01, 1.1460e-04, 8.5881e-02],  
[2.1224e+02, 4.2018e+00, 4.9411e+00],  
[3.5654e+01, 3.2333e-01, 2.5858e+00],  
[1.7316e+01, 1.7619e-01, 1.1629e+00],  
[7.8620e+00, 5.0701e-03, 7.5010e-01],  
[2.9053e+01, 2.9342e-01, 1.0670e+00],  
[5.7919e+01, 1.0191e-01, 2.1043e+00],  
[1.8405e-01, 9.0125e-06, 1.8550e-02],  
[1.6613e-01, 2.9060e-05, 2.2736e-02],  
[2.6247e+00, 3.6104e-03, 1.9507e-01],  
[4.2966e+01, 2.8552e-01, 1.1049e+00],

[6.6905e+00, 8.9365e-03, 4.8078e-01],  
[1.6725e-01, 1.7799e-05, 2.0050e-02],  
[5.6303e+00, 3.0548e-03, 3.6832e-01],  
[4.1057e-01, 1.0239e-04, 5.1848e-02],  
[1.0186e+02, 1.3114e+00, 1.8775e+00],  
[5.9724e+01, 4.3774e-01, 1.4681e+00],  
[2.3385e+02, 8.7324e-02, 4.3860e+00],  
[7.3304e+01, 1.1140e+00, 3.3141e+00],  
[3.4503e+01, 2.3217e-02, 1.5798e+00],  
[9.6636e-02, 1.6602e-06, 1.2325e-02],  
[3.7496e+01, 4.1432e-01, 1.7665e+00],  
[7.4830e-01, 1.0545e-04, 7.6668e-02],  
[2.9816e+01, 3.9108e-01, 2.2956e+00],  
[6.4628e-02, 3.6684e-06, 8.9274e-03],  
[1.3055e+01, 2.6391e-02, 6.0520e-01],  
[2.5533e+02, 7.9681e+00, 4.4393e+00],  
[5.3916e-01, 5.7664e-05, 6.7685e-02],  
[2.0612e+00, 9.9017e-04, 1.3671e-01],  
[5.2236e-01, 1.4350e-04, 5.2827e-02],  
[1.7227e-01, 1.0061e-05, 2.1684e-02],  
[8.4158e-01, 1.9125e-04, 7.2981e-02],  
[2.9992e+00, 3.6054e-04, 2.0699e-01],  
[1.2452e+00, 1.1728e-04, 6.6350e-02],  
[1.6389e-01, 7.5085e-06, 2.0475e-02],  
[3.3505e+00, 1.1173e-03, 2.2138e-01],  
[2.3417e+02, 1.2809e+00, 4.3385e+00],  
[1.6716e+02, 4.9754e+00, 4.6400e+00],  
[3.7966e+00, 4.2837e-03, 2.6275e-01],  
[8.1500e-01, 1.0295e-04, 4.7918e-02],  
[1.3468e+02, 9.9167e-01, 4.0735e+00],  
[8.9371e-01, 3.4462e-04, 8.1809e-02],  
[1.0211e+01, 5.1518e-02, 1.0731e+00],  
[8.3981e+01, 3.6158e-01, 2.9493e+00],  
[1.3168e-02, 7.0869e-08, 1.9307e-03],  
[2.8769e+00, 1.0922e-02, 3.7211e-01],  
[1.6300e-02, 1.4060e-07, 2.4663e-03],  
[4.0599e-01, 2.8448e-05, 4.6971e-02],  
[1.6857e+00, 5.0951e-04, 1.4824e-01],  
[7.0876e+00, 1.0500e-02, 4.2025e-01],  
[7.6838e+01, 3.1375e-01, 1.7638e+00],  
[1.4149e-02, 1.8495e-07, 2.1166e-03],  
[8.6308e+01, 6.8755e-01, 3.1036e+00],  
[2.3007e+01, 1.4637e-01, 1.1352e+00],  
[3.4069e+01, 2.9570e-02, 1.4026e+00],  
[2.1570e-01, 1.2729e-05, 2.5541e-02],  
[1.9670e+00, 5.0574e-04, 1.1808e-01],  
[1.3782e+02, 4.6950e+00, 3.3602e+00],  
[1.3376e+01, 6.7805e-03, 3.9919e-01],

```

[2.3387e+01, 1.5909e-01, 8.5944e-01],
[1.5562e+02, 3.2109e+00, 3.4391e+00],
[2.2931e+01, 5.5042e-02, 7.8781e-01],
[3.6488e-01, 1.0433e-04, 3.9052e-02],
[7.5313e-01, 2.6687e-05, 6.6352e-02],
[1.5197e+01, 5.5804e-02, 1.2570e+00],
[1.1765e-01, 2.8362e-06, 1.5097e-02],
[5.5096e-01, 2.8648e-05, 5.7267e-02],
[5.0147e-01, 1.0991e-04, 4.6331e-02],
[1.9731e+00, 7.0226e-04, 1.7999e-01],
[5.8565e+01, 9.8718e-02, 2.3473e+00],
[4.7384e+00, 4.1768e-03, 2.8199e-01],
[6.7460e+01, 7.0243e-01, 1.4454e+00],
[1.1357e-02, 2.2378e-07, 1.7791e-03],
[1.1295e+01, 1.4211e-02, 5.5241e-01],
[7.0047e-03, 3.7510e-08, 1.1160e-03],
[3.9715e-01, 2.8569e-05, 3.6855e-02],
[2.0481e+00, 4.0460e-04, 1.5358e-01],
[1.6531e+01, 4.1965e-02, 8.5425e-01],
[8.0990e+01, 2.2227e-01, 2.7896e+00]], dtype=torch.float64)
Iteration: 223
Inputs: tensor([[2.3047e+18, 2.6545e+02, 1.7102e+01, 6.5592e+00],
[7.8014e+19, 4.8334e+01, 1.9557e+01, 6.9816e+00],
[4.8960e+20, 1.7369e+02, 2.2887e+00, 4.8798e+00],
...,
[1.5241e+19, 2.0079e+02, 1.2891e+01, 7.4212e+00],
[1.3300e+19, 4.1159e+02, 3.1918e+00, 4.7180e+00],
[2.0457e+20, 2.5513e+02, 9.3209e+00, 8.2653e+00]], dtype=torch.float64)
Target: tensor([[1.8179e-01, 1.9007e-05, 2.1319e-02],
[1.9937e+00, 4.5771e-03, 2.3631e-01],
[1.2059e+02, 6.0695e-01, 3.3640e+00],
[1.9604e+00, 3.0320e-04, 1.6736e-01],
[2.8880e+00, 1.9518e-03, 2.4327e-01],
[2.4614e+01, 1.2917e-01, 8.9202e-01],
[1.2378e+02, 2.6972e-01, 4.1328e+00],
[1.3337e+02, 1.2924e+00, 3.2195e+00],
[9.9355e+00, 2.7805e-02, 9.2124e-01],
[4.4253e+01, 2.1243e-01, 2.9656e+00],
[3.7643e+01, 3.8866e-01, 1.7559e+00],
[1.2423e+02, 4.3237e+00, 3.4023e+00],
[2.6154e+00, 1.2014e-03, 2.0841e-01],
[8.9118e+00, 2.8293e-02, 6.0988e-01],
[3.3692e-03, 4.0198e-09, 5.4288e-04],
[1.3453e+01, 2.2865e-02, 4.9403e-01],
[1.7790e+00, 8.0072e-04, 2.0860e-01],
[1.0279e+00, 1.3257e-04, 7.4881e-02],
[5.8825e-01, 4.5817e-05, 6.6974e-02],
[3.7999e+01, 5.7176e-02, 1.1279e+00],

```

[6.9092e+00, 1.7611e-02, 3.5700e-01],  
 [3.4629e-01, 5.6334e-06, 4.0557e-02],  
 [2.0386e+02, 1.6477e-01, 4.8437e+00],  
 [1.4572e+01, 2.1465e-02, 4.4988e-01],  
 [1.0964e+02, 1.6043e+00, 2.8322e+00],  
 [1.2942e+00, 6.6906e-05, 1.1989e-01],  
 [2.8635e+00, 7.4465e-04, 1.7612e-01],  
 [1.8209e+02, 4.3070e+00, 2.9884e+00],  
 [1.0468e+02, 1.6237e+00, 2.7980e+00],  
 [2.3072e-01, 1.4783e-05, 3.1234e-02],  
 [2.1307e+02, 8.6371e+00, 4.3645e+00],  
 [1.0108e+00, 1.3840e-04, 7.7432e-02],  
 [5.1449e+01, 5.0334e-01, 1.4395e+00],  
 [2.5659e+00, 2.6289e-04, 1.6909e-01],  
 [5.1949e-01, 9.5563e-05, 5.8143e-02],  
 [4.9202e-01, 1.0749e-04, 4.2083e-02],  
 [3.2231e-01, 2.6229e-05, 3.4193e-02],  
 [1.9570e+02, 2.3682e+00, 4.4505e+00],  
 [1.6342e+02, 1.8074e+00, 3.8658e+00],  
 [1.4974e+00, 2.1401e-04, 1.4649e-01],  
 [6.9705e-01, 1.7133e-04, 7.6802e-02],  
 [1.2516e+02, 2.1777e+00, 3.3146e+00],  
 [4.9806e-03, 5.8969e-09, 7.8752e-04],  
 [3.8440e+00, 6.1330e-04, 3.4638e-01],  
 [3.5551e+00, 2.2121e-03, 2.3325e-01],  
 [1.2215e+02, 1.5917e+00, 2.3195e+00],  
 [1.7818e+01, 6.2567e-02, 1.1499e+00],  
 [3.2765e+01, 7.6310e-02, 8.2663e-01],  
 [7.4987e+00, 2.0664e-03, 6.1735e-01],  
 [3.2422e+01, 7.1553e-02, 1.9875e+00],  
 [1.3390e-01, 1.4154e-06, 1.5820e-02],  
 [2.8997e+00, 2.0487e-03, 1.7776e-01],  
 [4.2601e+01, 8.1197e-01, 1.8890e+00],  
 [1.0907e+00, 3.0350e-04, 1.3307e-01],  
 [2.4746e+00, 1.4310e-04, 2.1903e-01],  
 [1.5307e+02, 2.2593e+00, 2.6322e+00],  
 [5.9431e-02, 1.1084e-06, 7.4844e-03],  
 [1.4484e-01, 1.0839e-05, 1.7610e-02],  
 [5.5440e-02, 3.8064e-07, 7.8747e-03],  
 [1.0442e+01, 8.1274e-03, 7.4384e-01],  
 [9.0674e+00, 1.1649e-02, 4.8576e-01],  
 [8.3008e+00, 1.0944e-02, 4.8105e-01],  
 [4.6298e-01, 8.2363e-05, 4.4755e-02],  
 [2.8415e+00, 1.1230e-03, 2.0059e-01],  
 [8.3007e+00, 7.5771e-03, 5.1451e-01],  
 [1.2593e+01, 1.2762e-02, 1.3196e+00],  
 [1.3466e+01, 5.4408e-02, 7.3142e-01],  
 [4.0404e-01, 2.6049e-06, 4.9541e-02],

[7.9018e-01, 2.6991e-04, 9.3527e-02],  
 [1.7808e+01, 1.3216e-02, 1.2646e+00],  
 [1.4552e+02, 1.9318e+00, 3.0337e+00],  
 [7.1729e+01, 1.4702e+00, 3.1460e+00],  
 [5.7277e+00, 1.1499e-02, 3.2885e-01],  
 [3.1688e-01, 7.0405e-06, 4.2222e-02],  
 [6.5192e-01, 8.8059e-05, 4.9887e-02],  
 [7.7356e+01, 1.6303e+00, 3.3868e+00],  
 [1.4418e+02, 2.4006e+00, 4.2301e+00],  
 [4.4849e-01, 3.9600e-05, 5.4258e-02],  
 [3.4477e+00, 5.1744e-04, 1.9054e-01],  
 [7.1901e+01, 3.5994e-01, 2.0058e+00],  
 [4.3632e-01, 8.0432e-05, 4.2643e-02],  
 [1.8167e+01, 6.5288e-02, 1.7052e+00],  
 [1.0657e+00, 4.6074e-04, 1.2984e-01],  
 [7.0314e-01, 3.0785e-04, 6.2102e-02],  
 [7.9330e-01, 6.2979e-05, 1.0412e-01],  
 [3.2047e-01, 7.8328e-06, 3.2603e-02],  
 [2.6754e+00, 1.9401e-03, 1.8927e-01],  
 [5.1507e+01, 7.6803e-01, 1.7886e+00],  
 [5.2825e+00, 8.5812e-03, 3.4241e-01],  
 [3.8237e-02, 5.4471e-07, 5.3620e-03],  
 [1.4554e+01, 8.4593e-02, 5.8449e-01],  
 [2.9826e+02, 5.6491e+00, 4.9453e+00],  
 [6.4807e+01, 5.2031e-01, 1.8104e+00],  
 [4.8292e-03, 4.2062e-09, 7.8733e-04],  
 [6.5160e+00, 2.5360e-03, 3.1872e-01],  
 [2.6931e+01, 5.4285e-02, 1.5023e+00],  
 [8.0377e-02, 5.0732e-06, 1.0469e-02],  
 [1.3180e+01, 4.0399e-03, 5.7387e-01],  
 [2.1949e+00, 2.5689e-03, 2.4103e-01],  
 [8.6600e-01, 1.5682e-04, 8.0944e-02],  
 [3.3931e-01, 1.7284e-05, 4.3600e-02],  
 [6.7477e+00, 5.0215e-03, 5.2294e-01],  
 [4.9421e-05, 5.3560e-13, 8.1778e-06],  
 [1.4796e+00, 4.2413e-05, 8.6902e-02],  
 [1.5755e+00, 4.7656e-04, 8.6606e-02],  
 [1.2828e+02, 2.5373e+00, 3.6194e+00],  
 [3.3594e+00, 9.3815e-03, 3.0936e-01],  
 [3.2766e-01, 1.3363e-06, 2.9834e-02],  
 [1.1388e+00, 2.1040e-04, 7.4828e-02],  
 [1.1003e+00, 3.0729e-04, 1.0264e-01],  
 [5.7702e+00, 1.0222e-02, 5.0069e-01],  
 [6.7644e+01, 2.9784e-01, 2.6919e+00],  
 [1.2577e+00, 1.5164e-04, 9.4689e-02],  
 [1.3492e+00, 3.4267e-04, 1.0485e-01],  
 [1.7756e+00, 5.0604e-04, 1.2247e-01],  
 [2.6120e+00, 1.2369e-03, 2.5568e-01],

[1.1765e-01, 7.0876e-06, 1.4523e-02],  
[5.5851e+01, 3.8807e-01, 2.0034e+00],  
[2.4136e+01, 4.9043e-03, 1.4184e+00],  
[9.7794e+00, 2.2443e-02, 4.7252e-01],  
[6.9938e+01, 8.1039e-01, 2.5433e+00],  
[1.9325e+00, 1.5243e-03, 2.6773e-01],  
[1.2287e+00, 3.7740e-04, 1.6257e-01],  
[4.1911e+00, 1.5260e-03, 3.6008e-01],  
[1.9840e+00, 6.4799e-04, 2.0796e-01],  
[2.4427e+00, 1.3605e-03, 1.7115e-01],  
[2.5383e-03, 5.4577e-09, 4.0166e-04],  
[1.6660e+01, 1.6122e-02, 6.2724e-01],  
[1.3347e+00, 1.5506e-04, 9.4677e-02],  
[1.2010e-01, 5.0733e-06, 1.3700e-02],  
[3.2183e+01, 1.5183e-02, 1.3686e+00],  
[2.5369e+02, 1.1040e+01, 5.0403e+00],  
[1.1936e+02, 3.7088e-01, 2.8075e+00],  
[1.2782e+02, 3.7504e+00, 4.4211e+00],  
[1.0120e+01, 1.0627e-02, 9.5028e-01],  
[5.5874e+00, 6.8601e-04, 3.5930e-01],  
[1.6679e+00, 5.6724e-05, 1.0651e-01],  
[5.1579e+01, 5.8488e-01, 1.4757e+00],  
[1.2023e+01, 2.1035e-02, 4.2837e-01],  
[6.7544e+01, 6.3156e-01, 2.7424e+00],  
[7.0728e+01, 3.1525e-01, 2.4218e+00],  
[1.7865e+02, 1.9982e+00, 3.1639e+00],  
[1.6201e+02, 1.4363e+00, 3.0506e+00],  
[2.2742e+00, 3.6371e-04, 1.1635e-01],  
[1.6947e+01, 5.7401e-02, 1.1328e+00],  
[6.4687e+00, 1.0361e-02, 3.9192e-01],  
[2.0155e+02, 2.6620e+00, 3.9432e+00],  
[2.0492e+01, 2.2986e-03, 5.7563e-01],  
[5.7253e+01, 4.3649e-01, 1.4270e+00],  
[4.4728e+01, 4.1273e-01, 1.4733e+00],  
[7.5346e-02, 4.1871e-07, 9.2153e-03],  
[1.0173e+01, 1.3750e-02, 7.4071e-01],  
[4.8985e+01, 4.9651e-02, 1.4788e+00],  
[5.3099e-02, 1.3531e-06, 7.4992e-03],  
[3.9031e+01, 2.6282e-01, 2.2320e+00],  
[7.7004e-02, 2.2566e-07, 9.8466e-03],  
[1.8242e+01, 6.4444e-02, 9.8600e-01],  
[9.0065e+01, 7.6356e-01, 2.8378e+00],  
[3.7923e-01, 5.0312e-05, 4.1919e-02],  
[6.5691e-01, 5.7859e-05, 6.8593e-02],  
[1.2526e+01, 7.7069e-02, 6.4957e-01],  
[3.4127e-01, 4.2460e-05, 3.8349e-02],  
[1.3638e-03, 5.9837e-10, 2.2368e-04],  
[8.7444e-01, 3.7116e-04, 7.0744e-02],

[1.1908e+00, 2.3913e-05, 1.1135e-01],  
[4.7136e-01, 1.1842e-04, 4.9385e-02],  
[1.0954e+00, 2.4134e-05, 9.1934e-02],  
[5.1018e+00, 5.3777e-03, 3.1137e-01],  
[1.3722e+01, 2.3587e-02, 5.5885e-01],  
[1.0619e+00, 1.2370e-03, 1.2862e-01],  
[5.5493e+00, 2.2651e-03, 6.3773e-01],  
[5.6092e+00, 4.1850e-03, 2.8265e-01],  
[4.2739e+00, 1.2095e-02, 3.8116e-01],  
[1.7297e+00, 4.7598e-04, 2.2717e-01],  
[7.9971e-02, 4.1740e-06, 1.1700e-02],  
[2.2660e+01, 6.7704e-02, 1.3013e+00],  
[2.6761e+02, 5.9283e+00, 4.3208e+00],  
[4.6505e+00, 2.2706e-03, 2.3859e-01],  
[2.3155e+01, 1.7048e-02, 1.2313e+00],  
[7.8760e-01, 3.6169e-05, 8.2028e-02],  
[4.3316e+01, 4.6327e-01, 1.8104e+00],  
[1.7910e+00, 2.8689e-04, 1.5621e-01],  
[2.3203e+00, 8.9109e-04, 1.8404e-01],  
[3.5584e+00, 2.7522e-03, 2.3719e-01],  
[4.7152e+00, 4.7417e-03, 3.0863e-01],  
[8.1710e+00, 3.0879e-02, 7.4835e-01],  
[1.2977e+01, 2.2188e-03, 5.7039e-01],  
[1.4321e+01, 3.5119e-02, 6.6251e-01],  
[2.3400e+01, 6.3086e-03, 8.4781e-01],  
[9.0870e-02, 5.3468e-06, 1.1469e-02],  
[3.1241e-01, 3.7636e-05, 3.2537e-02],  
[1.9123e-01, 2.1230e-05, 2.0943e-02],  
[8.9172e+01, 3.4821e-01, 3.2610e+00],  
[6.7924e+00, 2.5506e-02, 4.7434e-01],  
[7.2366e+01, 6.1692e-01, 2.8062e+00],  
[1.3300e-01, 4.2865e-06, 1.4696e-02],  
[2.2980e+01, 1.5532e-01, 7.9248e-01],  
[1.4602e+01, 6.3972e-02, 5.5434e-01],  
[8.0244e+01, 5.5378e-02, 2.0796e+00],  
[2.1103e+02, 5.9407e+00, 4.0759e+00],  
[9.4188e-01, 9.0201e-05, 7.4920e-02],  
[4.5578e+01, 2.5749e-01, 1.1919e+00],  
[5.9219e-01, 3.9720e-05, 5.2182e-02],  
[1.6624e+00, 7.0717e-05, 1.0282e-01],  
[1.3752e-01, 8.1091e-07, 1.6612e-02],  
[1.5316e+02, 9.4603e-01, 4.4437e+00],  
[3.1958e+01, 5.6346e-02, 1.6078e+00],  
[5.5049e+01, 5.5283e-01, 1.5599e+00],  
[1.0094e+02, 1.2006e-01, 1.9969e+00],  
[1.1314e+02, 3.6030e-01, 4.4184e+00],  
[4.6225e-02, 6.7711e-07, 6.2088e-03],  
[2.4719e-01, 1.4661e-05, 2.9493e-02],



[2.6527e+01, 1.3328e-01, 1.0753e+00],  
 [3.8864e+00, 1.0545e-03, 3.0188e-01],  
 [6.4996e+00, 1.4345e-04, 3.3862e-01],  
 [2.3502e-02, 3.2884e-07, 3.3863e-03],  
 [1.1533e+00, 2.4895e-04, 8.5802e-02],  
 [4.1415e+00, 5.6711e-03, 3.1623e-01],  
 [3.3148e+01, 3.0955e-02, 1.0018e+00],  
 [7.1593e+00, 5.8535e-03, 8.5040e-01],  
 [4.6141e+00, 8.6794e-03, 3.8806e-01],  
 [2.0805e+01, 2.4049e-02, 1.3753e+00],  
 [2.8881e-02, 1.1246e-07, 4.3751e-03],  
 [8.0590e-01, 4.1380e-04, 8.1907e-02],  
 [1.1940e-01, 7.9549e-06, 1.5439e-02],  
 [4.7783e+01, 6.4901e-02, 2.4215e+00],  
 [1.1660e+01, 3.4707e-02, 8.8379e-01],  
 [1.2008e+00, 3.5098e-04, 1.4846e-01],  
 [1.8125e-01, 1.0669e-05, 2.5632e-02],  
 [1.1803e+00, 6.7129e-05, 1.3571e-01],  
 [3.3074e+01, 3.5003e-01, 2.4759e+00],  
 [7.0518e-01, 2.3604e-04, 9.7773e-02],  
 [1.3285e+00, 1.3032e-04, 1.3578e-01],  
 [2.5641e+02, 4.3464e+00, 4.2779e+00],  
 [6.9279e+01, 7.0746e-01, 2.9399e+00],  
 [2.5658e+00, 2.2026e-03, 2.4070e-01],  
 [7.3584e+01, 3.6076e-01, 3.0150e+00],  
 [1.5147e+00, 1.3595e-03, 1.4894e-01],  
 [2.7633e+01, 4.2218e-02, 1.3450e+00],  
 [1.3110e+01, 2.4369e-02, 4.4138e-01],  
 [3.7089e+01, 8.3788e-01, 2.7257e+00],  
 [1.9762e+00, 1.8528e-03, 1.8981e-01],  
 [3.7393e-01, 2.2506e-04, 4.8648e-02],  
 [5.7037e+00, 6.6475e-03, 3.5839e-01],  
 [5.0281e-01, 5.9757e-05, 3.8640e-02],  
 [1.4456e+02, 3.0898e+00, 2.9878e+00],  
 [9.9403e+00, 1.0206e-02, 7.4003e-01],  
 [4.1794e+01, 1.2941e-01, 1.4560e+00],  
 [2.7173e-02, 7.5012e-07, 3.8785e-03],  
 [1.4286e-01, 1.6319e-05, 1.9365e-02],  
 [1.2702e+02, 2.7961e+00, 3.5615e+00],  
 [2.5588e+02, 8.1806e+00, 4.8924e+00],  
 [5.1076e+00, 5.0555e-03, 4.8498e-01],  
 [4.4699e+01, 6.3137e-01, 1.9553e+00],  
 [3.7278e-03, 2.5674e-09, 6.0156e-04],  
 [1.4378e+02, 3.5471e+00, 4.1565e+00],  
 [1.4224e+00, 8.7388e-04, 1.2107e-01],  
 [3.3189e+00, 9.7466e-04, 1.9891e-01],  
 [2.3770e+00, 2.1647e-03, 1.9605e-01],  
 [7.8674e-02, 2.3988e-06, 9.4238e-03],

[4.5965e+00, 6.3383e-03, 3.6121e-01],  
[8.8127e-01, 6.3918e-05, 1.1248e-01],  
[2.4800e+01, 6.0044e-03, 1.7189e+00],  
[1.1585e+01, 3.0056e-02, 7.7248e-01],  
[1.0943e-01, 8.9870e-06, 1.4257e-02],  
[1.0563e+02, 2.8700e+00, 2.6640e+00],  
[5.0336e+01, 5.8200e-01, 1.4527e+00],  
[5.9052e+01, 1.0772e+00, 1.8923e+00],  
[8.8349e+01, 1.8229e+00, 2.5690e+00],  
[1.0070e+02, 6.0966e-01, 3.8803e+00],  
[8.8946e+01, 1.3583e-01, 3.2810e+00],  
[6.0069e+01, 9.1559e-01, 3.2351e+00],  
[3.4293e+00, 1.9298e-03, 3.1300e-01],  
[4.9075e+01, 3.2894e-01, 9.9733e-01],  
[3.9461e+01, 4.5217e-01, 1.0801e+00],  
[2.8014e-01, 2.3946e-05, 2.7307e-02],  
[1.7909e+01, 6.8431e-02, 1.1718e+00],  
[2.9188e+01, 3.1865e-02, 1.6491e+00],  
[6.7380e+00, 7.1668e-03, 3.9590e-01],  
[1.1856e-02, 2.8809e-08, 1.8818e-03],  
[9.5382e-02, 4.0991e-06, 1.3854e-02],  
[4.1621e-01, 1.2592e-04, 5.2716e-02],  
[5.0674e+00, 3.8250e-03, 4.1563e-01],  
[8.2153e-03, 9.7889e-09, 1.3152e-03],  
[3.5100e-01, 5.5546e-05, 3.9239e-02],  
[1.3042e-01, 2.1488e-05, 1.7958e-02],  
[1.6168e-01, 3.9790e-06, 1.7603e-02],  
[2.2872e-01, 5.3996e-07, 2.2950e-02],  
[3.0240e+00, 6.1898e-03, 3.5303e-01],  
[9.5035e+00, 3.1276e-02, 5.0366e-01],  
[8.5602e-02, 5.3706e-06, 1.2785e-02],  
[3.9753e-01, 1.5873e-05, 5.2358e-02],  
[1.9605e+02, 3.3624e+00, 4.5565e+00],  
[1.6851e-01, 1.6668e-06, 2.0797e-02],  
[4.3030e+01, 2.1958e-01, 1.3414e+00],  
[5.3843e+01, 6.5146e-01, 1.7100e+00],  
[1.0805e-01, 2.6407e-06, 1.4222e-02],  
[5.8757e-02, 1.8751e-06, 7.6248e-03],  
[3.1973e+01, 3.6365e-01, 2.1499e+00],  
[3.0164e+00, 1.5795e-03, 1.9792e-01],  
[2.0239e+00, 6.1525e-04, 1.4643e-01],  
[1.8818e+01, 2.8035e-02, 7.5704e-01],  
[8.1598e+00, 6.8213e-03, 4.8157e-01],  
[3.4061e+01, 8.7756e-02, 1.0796e+00],  
[1.9419e+01, 9.9259e-02, 1.0666e+00],  
[5.2313e+01, 1.0753e-01, 2.1316e+00],  
[8.3163e+00, 1.0001e-02, 4.9646e-01],  
[7.4481e-01, 3.6872e-04, 7.4009e-02],

```

[1.4658e-02, 6.1636e-08, 2.2458e-03],
[1.1212e+00, 4.6667e-04, 9.0758e-02],
[8.9994e-01, 1.3504e-03, 1.1328e-01],
[1.0943e+02, 7.8902e-01, 2.1566e+00],
[3.0026e+01, 4.1690e-01, 2.0516e+00],
[3.3092e-01, 1.9511e-05, 3.7269e-02],
[7.6692e-01, 1.7418e-04, 9.5346e-02],
[2.4430e+01, 2.0307e-01, 1.7631e+00],
[3.0674e+02, 1.0238e+01, 4.9537e+00],
[3.1947e+00, 3.5698e-03, 2.4584e-01],
[9.5274e+00, 3.9228e-03, 3.6859e-01],
[6.6586e+01, 8.2590e-01, 2.0555e+00]], dtype=torch.float64)
Iteration: 224
Inputs: tensor([[1.8157e+19, 1.2145e+02, 1.5236e+01, 4.0961e+00],
               [6.7648e+20, 3.0497e+02, 1.2699e+01, 8.6292e+00],
               [3.5521e+19, 2.2236e+02, 2.8428e+00, 4.4771e+00],
               ...,
               [1.3817e+20, 2.7582e+02, 2.7621e+00, 6.4815e+00],
               [3.5585e+20, 4.9749e+02, 1.0758e+01, 3.3596e+00],
               [1.8329e+19, 4.1753e+02, 8.8281e+00, 5.4873e+00]], dtype=torch.float64)
Target: tensor([[8.1903e-01, 2.5466e-04, 9.6875e-02],
               [1.5707e+02, 5.0871e+00, 4.0463e+00],
               [1.7212e+01, 1.4318e-02, 6.8975e-01],
               [1.2422e+01, 3.3105e-02, 7.0332e-01],
               [1.2183e+02, 3.6851e+00, 3.6040e+00],
               [2.1498e+01, 9.0828e-02, 1.5003e+00],
               [1.1840e+02, 3.0565e+00, 2.7678e+00],
               [6.4127e-02, 1.4869e-06, 9.1509e-03],
               [8.3859e+01, 1.4920e+00, 2.0901e+00],
               [4.7333e-01, 9.4203e-05, 4.8937e-02],
               [1.1967e+00, 6.6954e-04, 1.0900e-01],
               [7.5877e+01, 4.3439e-01, 2.3253e+00],
               [1.0435e-01, 1.6790e-06, 1.3190e-02],
               [3.8798e+00, 5.1188e-04, 3.1145e-01],
               [1.0422e+02, 1.5725e+00, 3.2508e+00],
               [4.6967e+01, 3.6699e-01, 1.3508e+00],
               [4.8927e+00, 4.2527e-03, 2.1710e-01],
               [1.0837e+01, 1.7492e-02, 8.9520e-01],
               [1.2337e+01, 3.5664e-02, 6.2544e-01],
               [6.2659e+01, 3.7869e-01, 2.2583e+00],
               [2.1071e+02, 3.5163e+00, 3.8163e+00],
               [3.6652e+00, 5.5898e-03, 4.8715e-01],
               [7.0575e+01, 1.4347e-01, 2.5799e+00],
               [2.7474e+01, 1.9595e-01, 8.1636e-01],
               [4.6978e-01, 5.2514e-05, 4.5862e-02],
               [4.9980e-01, 1.2704e-05, 5.3763e-02],
               [5.3334e+00, 2.5760e-03, 2.0303e-01],
               [8.0465e-01, 2.8491e-04, 6.1796e-02],

```

[2.9892e-01, 1.0476e-06, 2.8558e-02],  
 [1.2913e+01, 2.3662e-02, 4.4622e-01],  
 [6.4123e-01, 1.8235e-04, 5.1489e-02],  
 [7.1085e+00, 6.4842e-03, 2.8455e-01],  
 [1.2794e+02, 4.2278e+00, 3.1439e+00],  
 [2.5542e+02, 1.1560e+01, 5.1126e+00],  
 [5.5132e+00, 5.5539e-03, 2.5924e-01],  
 [4.1142e-03, 2.8427e-09, 6.4482e-04],  
 [1.6355e+00, 1.9267e-03, 1.4380e-01],  
 [4.9544e+00, 9.3848e-03, 3.7277e-01],  
 [5.2330e+00, 2.2900e-03, 4.0987e-01],  
 [5.4553e-02, 1.2066e-06, 8.2825e-03],  
 [5.6107e+01, 3.8386e-01, 2.0814e+00],  
 [1.7622e+01, 6.6573e-02, 6.3343e-01],  
 [4.2731e-01, 2.2428e-04, 5.3028e-02],  
 [6.3082e-01, 1.9157e-04, 7.0101e-02],  
 [4.1314e+00, 3.8385e-03, 2.7736e-01],  
 [5.8158e+00, 2.3998e-03, 4.4666e-01],  
 [6.3460e-01, 3.9487e-05, 8.1240e-02],  
 [4.2024e+00, 6.2311e-03, 2.2963e-01],  
 [3.6645e-01, 3.1949e-05, 3.3527e-02],  
 [1.1379e-03, 3.7429e-10, 1.8465e-04],  
 [4.5926e+01, 9.3088e-01, 2.8146e+00],  
 [3.5764e-01, 1.6844e-05, 4.0313e-02],  
 [1.9260e-02, 6.8735e-08, 2.8281e-03],  
 [4.8750e+01, 2.1032e-02, 1.5000e+00],  
 [1.6864e-02, 2.2106e-07, 2.4470e-03],  
 [1.4216e+01, 2.4983e-02, 1.0173e+00],  
 [6.4158e-01, 4.3751e-05, 8.0170e-02],  
 [9.8804e+00, 3.9387e-03, 5.3705e-01],  
 [1.1628e+00, 2.4243e-04, 1.2477e-01],  
 [1.0787e+01, 2.5077e-02, 6.3159e-01],  
 [4.8866e+01, 5.1990e-01, 1.4857e+00],  
 [1.7536e+01, 5.2513e-02, 8.5527e-01],  
 [3.8000e+01, 3.0538e-01, 2.3524e+00],  
 [9.9281e-01, 1.9252e-04, 9.1935e-02],  
 [7.7888e-02, 1.7893e-06, 9.7500e-03],  
 [1.4283e-02, 5.5855e-08, 2.2145e-03],  
 [4.2897e-02, 9.9655e-07, 5.9556e-03],  
 [2.6221e+00, 4.3387e-04, 1.8525e-01],  
 [1.4565e+01, 5.5766e-02, 8.1265e-01],  
 [9.1902e-01, 3.1852e-04, 7.5051e-02],  
 [2.6338e+02, 9.0985e+00, 4.5376e+00],  
 [1.2351e+01, 7.6581e-03, 8.2883e-01],  
 [7.9952e-01, 2.2838e-04, 8.9540e-02],  
 [2.0760e-02, 1.9097e-08, 3.1026e-03],  
 [1.1522e+02, 2.3702e+00, 2.7474e+00],  
 [5.6251e+00, 6.8204e-03, 3.1105e-01],

[1.8348e+02, 3.7581e+00, 3.6257e+00],  
[1.9899e+00, 3.9247e-04, 1.2861e-01],  
[2.1998e+01, 3.9957e-02, 9.7080e-01],  
[2.9236e-01, 4.7433e-05, 4.4605e-02],  
[1.3997e+02, 3.3924e+00, 3.1306e+00],  
[4.7623e-01, 9.4255e-05, 5.5898e-02],  
[5.8754e-01, 2.2210e-04, 6.7801e-02],  
[3.3832e-01, 9.3356e-06, 2.7923e-02],  
[8.1627e-02, 4.9340e-07, 1.0496e-02],  
[1.5315e+01, 3.4402e-02, 6.8232e-01],  
[1.9626e-02, 2.9529e-08, 2.8732e-03],  
[1.9199e+01, 9.0377e-02, 8.5469e-01],  
[5.5210e+00, 3.1086e-04, 3.2075e-01],  
[2.6993e+01, 1.0386e-01, 1.1675e+00],  
[1.3910e+00, 9.8578e-04, 1.2559e-01],  
[6.4222e+00, 1.0018e-02, 3.9516e-01],  
[3.6412e-02, 3.1859e-07, 5.7761e-03],  
[2.5838e+01, 2.8730e-02, 2.0298e+00],  
[2.2563e+00, 6.9154e-04, 1.3965e-01],  
[3.0274e+01, 1.8237e-01, 9.7912e-01],  
[3.9154e+01, 3.0383e-02, 2.6309e+00],  
[6.1612e-02, 1.4040e-06, 9.0220e-03],  
[6.5879e-01, 3.1110e-05, 5.2178e-02],  
[1.3263e+01, 1.0947e-02, 1.3991e+00],  
[3.1315e+00, 1.1286e-03, 2.2446e-01],  
[4.1332e-01, 4.3209e-05, 3.5300e-02],  
[1.0338e+00, 2.9969e-04, 8.0083e-02],  
[6.8530e+01, 9.4269e-01, 2.4699e+00],  
[2.5866e-01, 1.9255e-05, 3.4357e-02],  
[8.1724e-02, 1.2221e-06, 1.1012e-02],  
[3.7688e-01, 1.0052e-04, 5.0205e-02],  
[2.4589e+01, 3.4334e-02, 1.5597e+00],  
[2.0331e+00, 2.9294e-03, 1.9822e-01],  
[5.2177e-03, 3.2279e-08, 8.1617e-04],  
[1.9744e+01, 1.1091e-02, 5.8058e-01],  
[6.8128e+01, 1.1122e+00, 1.9876e+00],  
[6.6666e-02, 4.8218e-07, 8.9675e-03],  
[1.4612e-01, 7.7939e-06, 1.9145e-02],  
[5.6625e+01, 6.4359e-01, 2.9191e+00],  
[1.1704e+01, 3.3027e-02, 5.0575e-01],  
[9.6185e-01, 1.2611e-04, 1.0035e-01],  
[1.9337e+01, 4.4972e-02, 1.1864e+00],  
[1.0781e+02, 1.0396e+00, 2.7330e+00],  
[1.8800e+01, 3.6424e-02, 7.7335e-01],  
[7.9170e-03, 1.2272e-08, 1.1964e-03],  
[8.1607e-01, 3.5244e-04, 6.9076e-02],  
[4.0022e+01, 6.0814e-01, 1.6581e+00],  
[2.2110e+00, 7.6003e-04, 1.6749e-01],

[1.1265e+01, 1.0020e-02, 7.4093e-01],  
[8.5407e+00, 9.1964e-03, 4.5991e-01],  
[2.4441e+01, 1.3409e-02, 1.1435e+00],  
[9.1633e+01, 6.8557e-01, 2.6428e+00],  
[2.4722e+00, 1.5963e-03, 1.7361e-01],  
[5.4124e+01, 2.5735e-01, 2.7069e+00],  
[6.5954e+00, 3.0556e-03, 2.6032e-01],  
[1.5364e+01, 2.0531e-02, 1.1656e+00],  
[1.5711e-01, 8.5138e-06, 1.6574e-02],  
[1.3758e+00, 2.2213e-04, 1.2621e-01],  
[8.8963e+00, 7.9667e-03, 3.7606e-01],  
[6.3291e+01, 3.6924e-01, 2.2502e+00],  
[1.2053e+00, 9.0292e-05, 8.2485e-02],  
[4.0092e+01, 1.1579e-01, 2.0533e+00],  
[1.8658e+02, 3.3527e+00, 4.3259e+00],  
[2.0482e+02, 3.2226e+00, 3.4256e+00],  
[3.1452e+00, 4.7431e-03, 3.3613e-01],  
[1.6324e+02, 1.3141e+00, 4.8203e+00],  
[6.7821e+01, 6.0038e-01, 3.7496e+00],  
[4.0626e-01, 1.4207e-04, 5.4876e-02],  
[5.6577e-01, 2.1752e-05, 7.0561e-02],  
[1.4340e+02, 5.1396e-01, 3.4875e+00],  
[1.2944e+01, 5.1175e-02, 1.2922e+00],  
[2.3823e+02, 1.6330e+00, 5.0841e+00],  
[5.6197e-02, 6.3827e-07, 7.8600e-03],  
[5.9982e-02, 3.1140e-06, 7.9202e-03],  
[9.7584e-01, 2.5713e-04, 1.3132e-01],  
[1.6656e-01, 7.6609e-06, 1.8757e-02],  
[3.6792e-02, 1.8237e-07, 5.1350e-03],  
[5.5444e-01, 1.5846e-04, 5.2856e-02],  
[9.7892e-01, 2.9800e-04, 7.8155e-02],  
[1.4728e+01, 3.8060e-02, 5.2762e-01],  
[4.4792e+00, 3.2371e-03, 2.9349e-01],  
[2.1957e-01, 6.2950e-06, 2.9539e-02],  
[3.5757e+00, 5.8768e-04, 2.5628e-01],  
[3.2027e-01, 1.0688e-04, 4.5723e-02],  
[7.1031e+00, 8.5453e-03, 7.6735e-01],  
[3.8898e-01, 2.7988e-05, 4.3768e-02],  
[2.2631e-01, 7.6500e-06, 2.7942e-02],  
[8.6401e-01, 8.6020e-05, 6.3813e-02],  
[3.2350e+00, 7.8935e-04, 3.2037e-01],  
[5.1905e+01, 3.3673e-01, 1.2735e+00],  
[2.6584e+00, 1.4264e-03, 1.8859e-01],  
[1.7527e+02, 7.6086e-01, 3.0365e+00],  
[1.3394e-01, 6.6119e-06, 1.4869e-02],  
[4.5403e+01, 3.6171e-01, 1.5993e+00],  
[1.2393e+00, 5.0530e-05, 1.0176e-01],  
[1.0057e+00, 2.8210e-04, 9.3204e-02],

[4.3905e-02, 5.7943e-07, 6.3414e-03],  
[5.5636e+01, 2.9167e-01, 2.4198e+00],  
[5.7209e-02, 1.0042e-06, 7.2247e-03],  
[1.9215e+02, 3.2976e-01, 3.4452e+00],  
[2.3833e+01, 5.7342e-02, 2.0242e+00],  
[7.0898e+01, 6.8373e-01, 2.1908e+00],  
[2.7143e+00, 5.2101e-04, 1.8873e-01],  
[1.2955e+01, 1.6582e-02, 5.4459e-01],  
[7.0935e+01, 5.9650e-01, 3.6536e+00],  
[1.0812e+01, 2.2929e-02, 7.4540e-01],  
[4.3562e+00, 2.3620e-03, 4.0898e-01],  
[7.4751e-01, 9.1676e-05, 5.9025e-02],  
[1.1691e+01, 1.8175e-02, 6.1930e-01],  
[1.3727e-01, 1.3845e-05, 1.9455e-02],  
[1.2576e-01, 7.0109e-06, 1.5256e-02],  
[1.9756e-01, 6.8535e-06, 2.4070e-02],  
[3.8468e+01, 3.2651e-01, 2.8165e+00],  
[1.7105e+01, 2.9172e-02, 1.2434e+00],  
[1.0951e+00, 1.9548e-04, 9.5156e-02],  
[1.9836e+00, 1.9919e-04, 1.6400e-01],  
[4.6106e-01, 2.6360e-05, 4.8998e-02],  
[5.4553e+01, 5.7860e-01, 2.1302e+00],  
[9.1749e-01, 5.2377e-04, 9.2512e-02],  
[1.4091e+00, 2.2268e-04, 1.2196e-01],  
[4.4503e+00, 1.0660e-02, 3.8955e-01],  
[6.2870e-01, 1.1934e-04, 5.7775e-02],  
[6.3820e+00, 4.5552e-03, 3.0003e-01],  
[8.7748e-01, 2.1525e-04, 9.6488e-02],  
[8.4857e-02, 2.3342e-06, 1.0135e-02],  
[1.2355e-02, 1.3826e-07, 1.8973e-03],  
[3.1307e-01, 2.7706e-05, 3.2930e-02],  
[1.2798e+01, 1.9815e-02, 1.1189e+00],  
[1.8911e+01, 1.1210e-01, 8.8608e-01],  
[7.1360e-02, 2.3909e-06, 9.8245e-03],  
[3.1989e+01, 1.2412e-01, 1.3607e+00],  
[2.9888e-01, 2.6644e-05, 2.6387e-02],  
[1.2567e+01, 2.0993e-02, 4.3749e-01],  
[3.2144e+01, 2.0993e-01, 9.3142e-01],  
[8.5983e+01, 9.0916e-01, 1.8981e+00],  
[2.6544e-01, 2.8379e-05, 2.6911e-02],  
[1.8999e+01, 1.0033e-01, 7.5994e-01],  
[4.6319e+01, 7.7251e-01, 1.5957e+00],  
[2.6128e-01, 3.8453e-05, 3.3187e-02],  
[1.1035e+02, 3.4386e-01, 2.7670e+00],  
[1.4812e+01, 6.6607e-02, 1.0888e+00],  
[2.3465e+02, 4.2268e-01, 4.8065e+00],  
[3.7800e-02, 4.4678e-07, 5.2848e-03],  
[2.5296e+00, 2.0733e-04, 1.7278e-01],

[2.0392e-02, 3.1818e-07, 2.9173e-03],  
[1.7033e+01, 4.8538e-02, 1.1236e+00],  
[5.4452e+01, 1.2239e-01, 3.0535e+00],  
[9.5955e-02, 6.9983e-06, 1.3758e-02],  
[9.0011e-02, 4.6673e-06, 1.0708e-02],  
[1.9769e+01, 9.4902e-02, 6.6191e-01],  
[2.2469e+01, 9.6230e-02, 6.7369e-01],  
[6.5803e+01, 8.2939e-01, 1.8624e+00],  
[5.2669e-02, 5.4996e-07, 8.0165e-03],  
[1.0006e-01, 8.2411e-07, 1.4638e-02],  
[7.3491e-03, 5.5103e-08, 1.1506e-03],  
[3.1620e+00, 4.1341e-03, 2.8254e-01],  
[1.2115e-01, 1.1222e-05, 1.5505e-02],  
[3.8566e+00, 3.8472e-03, 2.4544e-01],  
[6.2152e+01, 3.9723e-01, 2.7277e+00],  
[6.4544e-01, 6.4720e-05, 8.3918e-02],  
[2.1908e-02, 2.7126e-07, 3.1377e-03],  
[3.1076e+00, 7.8442e-03, 3.2988e-01],  
[9.9620e-01, 1.2842e-04, 6.8654e-02],  
[1.1294e+00, 9.4366e-05, 7.0917e-02],  
[9.5060e+00, 1.8597e-02, 4.8845e-01],  
[8.3721e+00, 2.6519e-02, 6.5717e-01],  
[6.5804e-03, 6.9720e-09, 1.0210e-03],  
[2.1654e+02, 6.8273e+00, 4.0708e+00],  
[2.5597e-01, 7.5638e-06, 3.3766e-02],  
[2.2963e+02, 1.6673e+00, 3.4196e+00],  
[6.0098e+01, 7.6358e-01, 1.9834e+00],  
[1.2531e+01, 1.8737e-02, 9.4511e-01],  
[9.2096e-01, 1.4483e-04, 8.2990e-02],  
[2.9192e+01, 3.4020e-01, 9.4295e-01],  
[7.1388e+01, 6.7770e-01, 2.7228e+00],  
[1.8768e+01, 7.9084e-03, 6.3991e-01],  
[3.7882e-01, 4.7437e-05, 4.0741e-02],  
[1.4299e+02, 5.7088e+00, 3.7151e+00],  
[1.1440e+02, 7.9871e-01, 2.1090e+00],  
[3.9937e+01, 2.4891e-01, 1.6480e+00],  
[3.7968e-03, 5.7240e-09, 6.0473e-04],  
[3.4837e+01, 2.6761e-01, 1.3053e+00],  
[2.6424e+01, 2.2715e-01, 1.4967e+00],  
[8.9709e-01, 3.5961e-04, 7.4181e-02],  
[2.7015e+00, 1.8216e-03, 3.2159e-01],  
[4.1664e+00, 1.0534e-03, 5.3982e-01],  
[4.3657e+00, 3.6893e-03, 3.0017e-01],  
[4.2752e+01, 3.7318e-01, 2.8962e+00],  
[6.1577e-01, 2.8321e-05, 7.9899e-02],  
[9.3415e+00, 3.8040e-02, 8.9207e-01],  
[2.2504e-02, 6.1446e-07, 3.3967e-03],  
[1.2600e+01, 2.1289e-02, 9.7804e-01],



[6.9677e+00, 2.0818e-03, 3.8968e-01],  
[5.4715e+01, 6.2991e-01, 1.4643e+00],  
[1.1157e+00, 7.9959e-05, 1.0716e-01],  
[1.1198e+00, 4.5068e-04, 9.8952e-02],  
[5.9914e+01, 8.0745e-01, 2.4274e+00],  
[6.3806e-02, 2.3507e-06, 8.6004e-03],  
[4.0278e+01, 5.4442e-02, 1.3618e+00],  
[8.5097e+01, 1.1189e+00, 2.9504e+00],  
[5.3027e-03, 4.5460e-08, 8.3352e-04],  
[2.3864e+00, 1.2846e-03, 1.4128e-01],  
[1.6756e+01, 1.5549e-03, 6.3361e-01],  
[3.5516e+01, 7.8340e-02, 1.5791e+00],  
[2.9901e-01, 1.0397e-05, 3.0434e-02],  
[7.8086e+01, 1.1003e+00, 2.7488e+00],  
[3.2227e-01, 8.7356e-05, 3.8203e-02],  
[5.4581e+01, 1.8628e-01, 3.1168e+00],  
[1.1540e-01, 8.8693e-06, 1.5488e-02],  
[1.3083e-01, 3.3515e-06, 1.7028e-02],  
[7.5063e+01, 1.8289e+00, 2.2297e+00],  
[8.7285e+01, 1.1906e+00, 2.7103e+00],  
[5.0357e-01, 1.1109e-04, 6.3605e-02],  
[5.4817e+00, 4.8409e-03, 2.2902e-01],  
[6.7696e+00, 7.7288e-03, 3.6849e-01],  
[8.2950e+00, 6.4850e-04, 6.9598e-01],  
[5.4050e+01, 1.3285e-01, 1.1616e+00],  
[1.2170e+01, 2.9698e-02, 4.9981e-01],  
[3.8498e+01, 6.1151e-02, 1.9473e+00],  
[5.0993e-03, 5.9271e-09, 8.0591e-04],  
[1.5783e+01, 2.1922e-02, 9.5078e-01],  
[7.3490e+00, 1.7064e-03, 4.1396e-01],  
[1.3051e+01, 3.7156e-03, 5.3560e-01],  
[2.8014e+01, 3.0357e-01, 9.2219e-01],  
[9.0917e-01, 2.7200e-04, 1.3398e-01],  
[3.1294e-01, 1.1673e-04, 4.1672e-02],  
[3.7940e+00, 9.4210e-03, 3.8012e-01],  
[6.4146e-02, 1.0744e-06, 8.1402e-03],  
[8.3501e+01, 8.0844e-01, 2.8878e+00],  
[1.7783e-01, 1.4826e-05, 1.9671e-02],  
[3.8526e+00, 1.0690e-03, 3.0420e-01],  
[1.1423e+02, 2.0027e+00, 2.9141e+00],  
[4.1326e-01, 6.0346e-05, 4.3797e-02],  
[1.3251e-01, 1.6088e-05, 1.6652e-02],  
[1.1415e-01, 6.5713e-06, 1.4409e-02],  
[8.9572e+00, 2.2755e-02, 5.8115e-01],  
[4.8384e+01, 1.6570e-01, 1.4252e+00],  
[8.8384e+00, 1.6601e-02, 5.1839e-01],  
[8.4266e+00, 2.4944e-02, 6.5719e-01],  
[1.4280e+02, 3.6380e+00, 3.0489e+00],

```

[2.6787e+01, 4.1141e-02, 7.0244e-01],
[6.9221e+01, 3.4648e-01, 1.7179e+00],
[9.8739e+01, 5.4721e-01, 2.8226e+00],
[9.5666e+00, 9.8070e-03, 4.3058e-01]], dtype=torch.float64)
Iteration: 225
Inputs: tensor([[1.3903e+20, 2.2840e+02, 4.4776e+00, 5.0394e+00],
[1.1498e+20, 4.3603e+02, 3.8149e+00, 9.2058e+00],
[4.0250e+18, 2.3921e+02, 3.5565e+00, 5.5835e+00],
...,
[1.1527e+18, 3.4113e+02, 8.5690e+00, 9.8865e+00],
[4.0584e+20, 2.4929e+02, 8.8194e+00, 2.7933e+00],
[1.5615e+19, 4.6966e+02, 1.6785e+01, 8.2515e+00]], dtype=torch.float64)
Target: tensor([[5.0579e+01, 1.6575e-01, 1.6395e+00],
[8.0732e+01, 8.9649e-01, 1.5884e+00],
[1.2065e+00, 1.4592e-04, 9.2765e-02],
[1.5974e-03, 8.9514e-10, 2.5576e-04],
[6.6857e-01, 3.2393e-05, 4.5939e-02],
[4.3034e+00, 3.3040e-03, 2.7549e-01],
[5.4105e-02, 1.9695e-06, 6.9563e-03],
[1.3551e+00, 2.8631e-04, 1.0631e-01],
[1.1691e+01, 5.0744e-03, 6.6108e-01],
[1.0467e+02, 6.4406e-01, 3.8087e+00],
[1.9255e+02, 3.1555e+00, 4.5375e+00],
[2.8355e+00, 1.5032e-04, 1.5236e-01],
[3.5816e-02, 4.1073e-08, 5.4467e-03],
[2.4445e+01, 1.4853e-01, 1.1125e+00],
[1.4277e-01, 7.2111e-06, 1.7102e-02],
[4.5468e+01, 1.1349e-01, 2.1928e+00],
[2.3532e+00, 1.6240e-04, 1.7421e-01],
[5.6609e-04, 1.2768e-10, 9.2022e-05],
[1.2355e+00, 3.1507e-04, 1.7084e-01],
[1.3363e+00, 1.8786e-04, 1.2765e-01],
[3.2454e+00, 3.4931e-03, 2.4350e-01],
[3.0220e+02, 1.2700e+01, 5.1479e+00],
[2.7887e+01, 6.9672e-02, 9.8868e-01],
[2.6831e+02, 5.8170e+00, 4.0654e+00],
[4.2062e-01, 1.4382e-04, 5.1597e-02],
[1.1375e+01, 1.1709e-02, 4.3731e-01],
[1.0246e+00, 4.7952e-04, 8.5945e-02],
[1.6942e+02, 9.2467e-01, 4.8132e+00],
[1.0298e+02, 9.5201e-01, 3.1696e+00],
[2.1687e-01, 1.1889e-05, 2.1394e-02],
[2.7114e+02, 8.3147e+00, 4.1774e+00],
[1.0852e-01, 6.1759e-06, 1.5859e-02],
[5.2691e+00, 2.2605e-03, 5.0164e-01],
[5.6877e+01, 1.0621e-01, 1.0800e+00],
[1.0882e-01, 9.5659e-06, 1.5285e-02],
[3.9540e+00, 1.8406e-03, 4.5712e-01],

```

[3.7716e+00, 6.7152e-03, 2.6333e-01],  
[5.8931e-02, 3.6801e-07, 7.7435e-03],  
[4.2105e+01, 4.1964e-01, 1.4229e+00],  
[1.7861e-02, 4.2009e-07, 2.6773e-03],  
[9.4537e-02, 7.5950e-06, 1.2270e-02],  
[8.4333e-01, 6.6836e-05, 5.1748e-02],  
[1.2113e-02, 3.0573e-08, 1.9210e-03],  
[4.6262e+01, 2.7349e-01, 1.3137e+00],  
[5.4889e+01, 5.2470e-01, 2.3543e+00],  
[2.9913e+01, 7.7279e-02, 1.6328e+00],  
[3.1783e-01, 2.7278e-05, 3.5994e-02],  
[1.4288e-01, 1.9823e-06, 1.9658e-02],  
[4.4502e+00, 4.5773e-03, 2.7487e-01],  
[2.2300e-01, 4.2981e-05, 3.2323e-02],  
[2.7118e+01, 1.7782e-01, 9.5114e-01],  
[2.6709e-01, 4.0234e-05, 3.0613e-02],  
[1.9347e+00, 3.9588e-04, 1.2629e-01],  
[2.5358e+01, 1.8885e-02, 1.5172e+00],  
[4.8810e+00, 1.7903e-03, 4.8480e-01],  
[3.1876e+01, 1.6521e-01, 1.3418e+00],  
[1.8594e+00, 4.6824e-05, 1.6569e-01],  
[2.2450e+00, 1.1036e-03, 1.4768e-01],  
[4.8991e+00, 1.5350e-02, 5.7982e-01],  
[6.4637e+01, 8.8693e-01, 3.3134e+00],  
[3.5138e+00, 1.0533e-02, 4.3990e-01],  
[4.6338e-01, 2.1937e-04, 5.7182e-02],  
[2.0217e+00, 3.0603e-04, 2.1954e-01],  
[1.4162e-02, 6.9009e-08, 2.2600e-03],  
[2.0293e+02, 1.2273e+00, 4.0385e+00],  
[9.6650e+00, 8.2942e-03, 4.8720e-01],  
[1.6252e+02, 2.2354e+00, 4.6089e+00],  
[3.5880e-01, 8.8487e-05, 3.6994e-02],  
[1.9557e+02, 4.0430e+00, 4.5986e+00],  
[7.3565e+00, 2.0179e-02, 5.9384e-01],  
[9.1790e+01, 2.6445e+00, 2.2355e+00],  
[1.6222e+02, 1.6509e+00, 4.6332e+00],  
[7.3205e+01, 9.9185e-01, 2.0881e+00],  
[1.1134e+01, 1.2848e-02, 5.0490e-01],  
[1.5067e+00, 1.5199e-03, 1.4036e-01],  
[1.3978e+01, 1.7109e-02, 1.1670e+00],  
[2.8421e+02, 1.3369e+01, 5.0453e+00],  
[4.1517e-01, 8.4755e-05, 4.1735e-02],  
[4.2193e-02, 5.6665e-08, 6.1618e-03],  
[5.4377e+01, 3.5248e-01, 1.8760e+00],  
[7.7075e-02, 1.0697e-06, 1.1183e-02],  
[1.1669e+02, 1.0276e+00, 2.5763e+00],  
[9.4736e+00, 5.6626e-03, 8.8027e-01],  
[1.1291e+01, 2.5215e-02, 5.6813e-01],

[8.4783e+01, 1.9498e+00, 2.6607e+00],  
 [2.7582e-01, 2.7606e-05, 2.6448e-02],  
 [1.0040e+00, 1.7982e-04, 1.0553e-01],  
 [1.2017e+02, 1.0219e+00, 3.7207e+00],  
 [6.2436e+00, 4.0044e-03, 3.0460e-01],  
 [3.2079e+01, 6.9365e-02, 1.1083e+00],  
 [3.8894e+00, 4.7066e-04, 3.8567e-01],  
 [4.7999e+01, 2.8123e-01, 2.4562e+00],  
 [5.1647e+01, 1.2811e-01, 1.7318e+00],  
 [1.9613e+00, 6.3064e-04, 1.0698e-01],  
 [3.0880e+01, 1.9118e-01, 2.2272e+00],  
 [7.7293e-01, 1.6523e-04, 8.0550e-02],  
 [1.1729e+02, 6.3229e-01, 2.5258e+00],  
 [4.1344e+00, 4.8379e-03, 3.0548e-01],  
 [1.9366e+02, 6.3195e-01, 3.3853e+00],  
 [4.0189e-02, 7.2639e-07, 5.9495e-03],  
 [2.0707e-02, 1.2452e-07, 2.9401e-03],  
 [5.4005e+01, 3.9423e-01, 1.2247e+00],  
 [6.0135e+01, 1.6648e-01, 2.8855e+00],  
 [9.9720e-01, 1.5386e-04, 1.0242e-01],  
 [7.7597e-02, 4.8874e-06, 9.3226e-03],  
 [7.8236e+00, 2.4026e-02, 3.9023e-01],  
 [1.2200e+00, 2.5847e-04, 9.5347e-02],  
 [4.2718e+01, 3.9638e-02, 1.9009e+00],  
 [2.1111e+01, 7.6555e-02, 7.0607e-01],  
 [9.0025e-01, 5.4865e-04, 1.1184e-01],  
 [3.5046e+01, 4.7975e-01, 1.1208e+00],  
 [6.8752e+01, 1.1954e+00, 2.1140e+00],  
 [4.4518e+00, 2.8067e-03, 2.0563e-01],  
 [2.0648e+01, 1.0103e-01, 6.5005e-01],  
 [5.4284e+00, 7.6843e-03, 6.0043e-01],  
 [5.6650e+00, 5.9955e-03, 3.4668e-01],  
 [7.0385e-02, 7.3983e-07, 9.8429e-03],  
 [6.2614e-02, 3.3817e-06, 9.0190e-03],  
 [3.4412e+01, 5.0874e-02, 2.0428e+00],  
 [6.4785e+00, 1.1647e-02, 4.4454e-01],  
 [9.0297e+01, 1.6119e+00, 2.1477e+00],  
 [5.5215e+01, 1.7000e-01, 1.1276e+00],  
 [1.2390e+02, 1.0598e+00, 2.9599e+00],  
 [8.1110e+00, 1.5461e-02, 4.2802e-01],  
 [1.0833e+00, 1.7324e-04, 1.0040e-01],  
 [1.1123e+02, 9.8750e-01, 3.1608e+00],  
 [4.4435e+00, 3.1137e-03, 2.2513e-01],  
 [1.0030e+01, 4.4956e-02, 9.8958e-01],  
 [1.2347e+01, 1.5562e-02, 9.8710e-01],  
 [1.1939e+02, 1.4449e+00, 3.6711e+00],  
 [1.1030e+01, 1.5167e-02, 4.6416e-01],  
 [1.2334e+01, 3.7534e-02, 5.4372e-01],

[1.0126e+01, 2.4854e-02, 9.6859e-01],  
[1.0337e+00, 1.2375e-04, 1.1676e-01],  
[3.1874e+01, 5.2202e-02, 2.1943e+00],  
[5.7663e+00, 1.4640e-02, 3.5364e-01],  
[1.0963e+01, 4.5013e-03, 5.6891e-01],  
[6.9489e+01, 4.2902e-01, 1.8711e+00],  
[1.1892e+01, 8.1403e-02, 9.9144e-01],  
[4.2196e+01, 1.7012e-01, 2.0514e+00],  
[1.3545e-01, 3.4077e-06, 1.6017e-02],  
[1.2993e+01, 2.8621e-02, 9.6753e-01],  
[1.9692e+00, 7.0948e-04, 1.2525e-01],  
[3.7456e+00, 2.5440e-03, 3.6536e-01],  
[4.6178e+01, 3.9904e-01, 1.4627e+00],  
[1.0962e+01, 6.4642e-03, 7.3031e-01],  
[5.1406e-01, 7.8579e-05, 4.7353e-02],  
[5.9492e+01, 2.9774e-01, 2.5383e+00],  
[8.4253e+00, 1.1559e-02, 9.4116e-01],  
[9.2136e+01, 1.1965e+00, 2.1153e+00],  
[1.5442e+02, 1.4262e+00, 4.3585e+00],  
[6.9581e-01, 1.5408e-05, 7.4009e-02],  
[1.7370e+00, 8.4580e-04, 1.6073e-01],  
[1.3958e+02, 1.4949e+00, 2.8629e+00],  
[2.0763e+01, 2.5758e-02, 5.4254e-01],  
[4.2035e-02, 1.5585e-06, 5.9642e-03],  
[3.0128e-01, 7.2323e-06, 2.8237e-02],  
[1.2522e-01, 8.2360e-06, 1.7586e-02],  
[1.6771e+01, 2.0844e-01, 1.6091e+00],  
[7.0369e+00, 5.6480e-04, 4.3414e-01],  
[5.9342e+01, 7.9382e-02, 1.3501e+00],  
[3.8996e+01, 3.9779e-02, 1.0711e+00],  
[7.5573e-01, 4.7671e-05, 8.0129e-02],  
[4.3015e-02, 2.9519e-08, 6.3958e-03],  
[1.1418e+02, 1.0654e-01, 2.2660e+00],  
[2.9633e+01, 4.7811e-02, 2.3214e+00],  
[1.3363e+00, 5.6143e-04, 1.2387e-01],  
[7.4380e+01, 5.5891e-01, 1.8440e+00],  
[3.6614e+01, 3.2740e-02, 9.7407e-01],  
[1.9863e+02, 4.4772e+00, 3.9385e+00],  
[3.3411e+01, 3.4172e-01, 1.0290e+00],  
[3.9440e-01, 6.1831e-05, 3.4925e-02],  
[4.0200e+00, 3.4646e-03, 2.2777e-01],  
[7.2599e+00, 6.5788e-03, 2.6448e-01],  
[9.5790e+00, 4.6727e-02, 8.4128e-01],  
[2.2484e-01, 8.3342e-06, 3.0563e-02],  
[3.6532e-01, 4.5686e-05, 3.4057e-02],  
[3.1629e+01, 1.1021e-02, 8.8397e-01],  
[2.5046e-02, 1.0716e-07, 3.7077e-03],  
[4.8599e-01, 7.1800e-05, 5.5745e-02],

[5.6352e+01, 5.0816e-01, 2.4561e+00],  
[1.1989e+01, 1.8722e-02, 1.0995e+00],  
[1.2584e+01, 6.4303e-02, 6.3879e-01],  
[1.0010e+00, 2.6398e-05, 9.4963e-02],  
[1.6595e+00, 3.0993e-03, 1.9963e-01],  
[9.5482e-01, 4.0336e-04, 1.0865e-01],  
[7.9488e-01, 2.2506e-04, 1.1421e-01],  
[4.5321e+00, 5.3261e-04, 2.9793e-01],  
[4.6395e-01, 2.2248e-05, 5.5817e-02],  
[2.9695e+00, 2.3059e-03, 1.6548e-01],  
[1.2775e-01, 3.8475e-06, 1.4897e-02],  
[1.6394e-01, 1.0894e-05, 2.1210e-02],  
[6.6933e+01, 7.6771e-01, 1.6535e+00],  
[2.4432e+02, 3.3652e+00, 4.0177e+00],  
[6.1591e+01, 9.6243e-01, 1.8592e+00],  
[1.3021e+01, 2.3568e-02, 6.6378e-01],  
[2.3132e-01, 2.9698e-05, 2.2720e-02],  
[7.0193e-01, 3.1021e-04, 8.1602e-02],  
[1.5961e-01, 1.5605e-06, 1.9135e-02],  
[4.5808e-02, 1.4567e-06, 6.0129e-03],  
[2.2587e+00, 6.3809e-04, 1.7122e-01],  
[5.1884e-01, 1.3114e-04, 5.5909e-02],  
[3.7675e-01, 6.3018e-05, 3.3821e-02],  
[1.4838e+01, 2.3596e-02, 6.9652e-01],  
[5.9655e+00, 4.1765e-03, 4.4763e-01],  
[6.2211e+01, 1.1949e-01, 2.7675e+00],  
[2.1038e+01, 1.7969e-02, 6.9904e-01],  
[7.3242e+00, 1.2888e-02, 4.6281e-01],  
[5.8759e+01, 1.8774e-01, 1.2977e+00],  
[6.3762e-01, 1.3924e-04, 5.6357e-02],  
[1.7945e-01, 2.2463e-05, 2.0409e-02],  
[9.8312e+01, 1.2044e+00, 2.4701e+00],  
[3.8783e-01, 3.3331e-05, 3.6970e-02],  
[1.0284e+02, 5.8718e-01, 2.0930e+00],  
[2.8140e+00, 8.1619e-04, 1.6498e-01],  
[3.7220e+01, 6.9776e-02, 2.2744e+00],  
[6.9057e+01, 4.0831e-01, 1.8891e+00],  
[2.0446e-02, 5.9829e-07, 2.9902e-03],  
[1.7064e+02, 6.1004e-01, 3.6106e+00],  
[2.2913e+00, 8.6601e-04, 1.8097e-01],  
[5.9332e+01, 5.3265e-01, 2.3168e+00],  
[6.2895e-02, 9.1284e-07, 8.4429e-03],  
[1.0872e+02, 1.8745e+00, 3.1855e+00],  
[1.0514e+00, 7.7160e-05, 6.8687e-02],  
[2.3035e+01, 9.4352e-02, 8.2366e-01],  
[5.8401e+00, 8.5091e-03, 3.0409e-01],  
[3.7887e+00, 4.1475e-03, 3.0394e-01],  
[3.3169e-01, 4.4031e-05, 3.3369e-02],

[4.6786e+01, 6.7923e-02, 2.2858e+00],  
[5.3773e-01, 9.1614e-05, 4.9373e-02],  
[6.4787e+01, 1.4308e+00, 3.2965e+00],  
[8.4967e+00, 1.1544e-02, 3.7411e-01],  
[6.1760e-01, 7.8798e-06, 7.3480e-02],  
[2.8548e+01, 1.2159e-01, 9.2920e-01],  
[6.0119e+00, 1.0637e-02, 5.6965e-01],  
[5.9298e-03, 6.7769e-08, 9.3684e-04],  
[1.1433e+00, 7.0129e-04, 1.2464e-01],  
[6.7187e-01, 1.4158e-05, 6.2036e-02],  
[4.1189e+01, 2.1964e-01, 9.3115e-01],  
[5.7251e+01, 7.5510e-01, 1.6188e+00],  
[1.3117e+01, 5.1308e-02, 6.4583e-01],  
[6.2600e+01, 8.2182e-01, 1.5531e+00],  
[4.8304e+01, 4.6842e-01, 2.2180e+00],  
[8.0336e+00, 3.4350e-03, 5.0582e-01],  
[1.4037e+01, 2.4979e-02, 1.2519e+00],  
[1.0472e+00, 5.3486e-05, 1.1621e-01],  
[2.4892e+00, 6.7947e-04, 2.3647e-01],  
[7.0315e+00, 7.7592e-03, 4.3399e-01],  
[5.5162e-01, 1.8518e-05, 5.5042e-02],  
[4.4457e+01, 1.1424e-01, 9.4036e-01],  
[3.4971e+01, 2.1009e-01, 1.8050e+00],  
[1.8454e-01, 7.7201e-06, 2.5203e-02],  
[1.1047e-01, 6.5196e-06, 1.3163e-02],  
[1.4104e-02, 1.5113e-07, 2.0838e-03],  
[3.7889e+00, 3.7269e-03, 3.6815e-01],  
[2.2024e+00, 7.9749e-05, 1.2473e-01],  
[1.9526e-03, 3.5909e-09, 3.1079e-04],  
[9.6120e+01, 1.7921e+00, 3.8948e+00],  
[3.5849e+00, 6.0427e-04, 2.2300e-01],  
[1.7086e-02, 3.0050e-08, 2.4972e-03],  
[8.8303e-01, 4.6358e-04, 1.1455e-01],  
[1.6839e+01, 4.1660e-02, 6.6519e-01],  
[1.0567e+01, 1.5916e-02, 4.8230e-01],  
[1.9486e+00, 5.4560e-04, 1.1055e-01],  
[4.8524e+00, 1.2332e-02, 3.9684e-01],  
[8.4556e+01, 1.2072e+00, 2.0945e+00],  
[1.7798e+00, 3.5361e-04, 1.0715e-01],  
[1.4832e+01, 7.8356e-02, 9.5158e-01],  
[3.4403e+01, 1.0005e-01, 2.3631e+00],  
[1.2475e+01, 7.3241e-03, 7.6758e-01],  
[1.5179e+01, 4.6044e-03, 6.0305e-01],  
[7.8643e+00, 6.7437e-03, 4.0092e-01],  
[2.1477e-01, 8.2501e-06, 2.9134e-02],  
[2.6611e+00, 2.6099e-03, 2.9901e-01],  
[4.5902e-03, 2.4058e-09, 7.1528e-04],  
[4.8400e+00, 3.6607e-03, 3.9455e-01],

```

[7.1135e+01, 3.7130e-01, 3.0844e+00],
[4.2785e+00, 2.8779e-04, 2.3979e-01],
[1.0417e-01, 5.3535e-06, 1.3571e-02],
[1.7103e+01, 3.6230e-02, 7.0902e-01],
[9.5351e-01, 1.0617e-03, 1.2318e-01],
[1.5064e+01, 1.8028e-02, 5.2107e-01],
[4.8821e-02, 3.0712e-07, 6.3417e-03],
[1.1875e+00, 3.4374e-04, 9.2007e-02],
[2.0784e-01, 2.9335e-05, 2.3450e-02],
[1.9767e+00, 2.5755e-04, 2.0321e-01],
[2.7422e-01, 3.5283e-06, 2.9418e-02],
[5.6116e+01, 5.5875e-01, 1.2389e+00],
[7.6733e-01, 2.5516e-04, 6.9585e-02],
[6.4270e-03, 3.5752e-08, 9.9106e-04],
[1.6793e-01, 1.6572e-05, 2.0570e-02],
[1.2297e+02, 1.2157e+00, 3.8260e+00],
[2.0321e+01, 2.0707e-03, 6.8152e-01],
[1.9549e-01, 1.7050e-05, 2.1200e-02],
[1.2554e+01, 1.7803e-02, 4.1849e-01],
[3.2635e+01, 1.7252e-01, 1.2826e+00],
[1.8046e+00, 3.2707e-03, 1.9260e-01],
[3.6291e+00, 5.8777e-03, 2.6608e-01],
[1.0706e+02, 1.1955e+00, 2.4291e+00],
[4.4089e+00, 3.0167e-03, 2.9861e-01],
[6.4699e+00, 1.1219e-02, 5.2950e-01],
[8.6950e-01, 2.1147e-05, 5.4842e-02],
[2.1280e+00, 6.1720e-04, 1.8003e-01],
[6.8183e+01, 2.0765e-01, 3.2946e+00],
[2.8464e+02, 1.0242e+01, 5.1222e+00],
[2.8737e+00, 2.9489e-03, 1.8955e-01],
[4.3217e+00, 5.4227e-03, 3.2252e-01],
[5.3360e-02, 2.2183e-07, 7.0802e-03],
[2.8029e+00, 4.3724e-04, 2.4192e-01],
[2.8808e+00, 2.1830e-03, 2.3359e-01],
[1.6618e+01, 4.7428e-02, 6.0113e-01],
[2.6381e+00, 9.7805e-04, 2.2690e-01],
[5.0295e+00, 1.7416e-03, 3.1831e-01],
[8.6730e+01, 3.4692e-01, 2.5423e+00],
[8.4405e+01, 1.8750e+00, 2.9955e+00],
[1.2105e+01, 4.3521e-02, 5.4579e-01],
[6.8806e+01, 3.1219e-01, 1.4949e+00],
[2.6218e-01, 3.0774e-05, 2.3996e-02],
[6.3592e+01, 1.9801e-01, 2.7023e+00],
[7.7113e+00, 1.7197e-02, 3.7323e-01]], dtype=torch.float64)

```

Iteration: 226

```

Inputs: tensor([[2.5076e+18, 7.8977e+01, 8.9235e+00, 7.1086e+00],
                [1.0376e+19, 4.1903e+02, 1.7885e+01, 2.4973e+00],
                [2.0814e+18, 6.9271e+01, 4.9551e+00, 1.3625e+00],

```



```

...,
[1.3687e+19, 4.7943e+01, 1.2473e+01, 2.5593e+00],
[5.8772e+18, 2.9992e+02, 8.2042e+00, 5.1300e+00],
[5.5391e+20, 1.5159e+02, 5.6919e-01, 5.3651e+00]], dtype=torch.float64)
Target: tensor([[5.1345e-02, 1.6696e-06, 7.2036e-03],
[1.1050e+00, 2.0039e-04, 1.1194e-01],
[7.1873e-03, 3.1693e-09, 1.1197e-03],
[1.9728e+01, 6.4697e-03, 9.1578e-01],
[6.5942e+00, 6.8552e-03, 3.3808e-01],
[5.8758e+01, 5.8961e-01, 2.7667e+00],
[3.0997e+00, 7.6267e-04, 1.9050e-01],
[9.0238e+01, 4.3622e-01, 3.2325e+00],
[3.9824e+01, 3.0739e-01, 1.3934e+00],
[1.7304e-01, 1.5371e-05, 1.7609e-02],
[1.3512e+02, 2.5181e+00, 3.3341e+00],
[5.1642e+01, 3.1118e-01, 2.8347e+00],
[1.0114e-01, 1.7311e-06, 1.5587e-02],
[4.8888e+01, 5.3944e-01, 1.8811e+00],
[1.8150e+01, 9.1146e-02, 1.1406e+00],
[5.9459e+01, 7.2351e-01, 2.1770e+00],
[6.3426e+00, 3.5326e-04, 2.7977e-01],
[5.6399e-02, 3.7162e-07, 8.0454e-03],
[2.0139e-02, 4.6389e-08, 2.8889e-03],
[5.9893e-01, 1.9658e-05, 4.1559e-02],
[7.2104e-01, 2.4802e-04, 6.5266e-02],
[2.1526e+01, 1.2412e-01, 1.1543e+00],
[1.7694e+00, 4.7297e-04, 1.6707e-01],
[3.5265e-02, 2.3579e-07, 5.0254e-03],
[6.2327e+01, 3.1047e-01, 1.6575e+00],
[1.7774e+01, 2.5574e-02, 1.0547e+00],
[1.6089e+00, 7.0775e-05, 1.3325e-01],
[8.6010e+01, 1.5508e+00, 2.4429e+00],
[3.8476e+00, 4.6044e-03, 2.0830e-01],
[5.7083e+01, 3.5996e-02, 2.1952e+00],
[6.1946e+00, 1.9847e-02, 4.7988e-01],
[2.5536e-01, 3.7198e-05, 2.3581e-02],
[2.5353e+01, 1.8922e-01, 8.6509e-01],
[8.7084e+00, 1.4640e-02, 5.4025e-01],
[7.2216e-01, 8.5882e-05, 6.5066e-02],
[6.4893e-01, 6.0584e-04, 8.1577e-02],
[3.8444e+00, 4.1268e-03, 4.3371e-01],
[4.9789e-02, 1.7392e-07, 6.8133e-03],
[9.1298e+00, 8.5901e-03, 7.9149e-01],
[3.3156e+01, 1.0821e-01, 2.5487e+00],
[1.9120e+01, 5.8456e-02, 7.0831e-01],
[2.2355e-01, 2.3307e-05, 2.4352e-02],
[1.8313e+00, 5.8966e-04, 1.1636e-01],
[5.1990e+01, 4.9453e-01, 2.1315e+00],

```

[1.7139e+01, 1.7275e-02, 1.0663e+00],  
[2.7513e+00, 2.4130e-03, 2.8223e-01],  
[1.5117e+01, 2.1095e-02, 8.4595e-01],  
[1.2630e+02, 6.0353e-01, 3.3746e+00],  
[5.1378e+01, 7.5573e-01, 1.5632e+00],  
[3.8013e+00, 1.7080e-03, 1.9393e-01],  
[4.3679e-01, 2.9080e-05, 6.3777e-02],  
[3.5565e+01, 5.8993e-02, 1.0968e+00],  
[2.0192e+00, 8.0607e-04, 1.9364e-01],  
[2.4092e+01, 1.5166e-01, 9.5859e-01],  
[2.2001e+02, 7.3987e+00, 4.7172e+00],  
[1.4598e+02, 3.7470e-01, 2.8786e+00],  
[2.0361e-01, 3.0892e-05, 2.9270e-02],  
[4.0486e-01, 4.0965e-05, 3.7572e-02],  
[1.5068e+01, 2.5286e-02, 4.7592e-01],  
[2.7174e+01, 7.0233e-02, 1.3598e+00],  
[1.0100e+02, 4.6509e-01, 2.1363e+00],  
[1.4062e+00, 5.1431e-04, 1.1555e-01],  
[8.1719e+01, 4.8074e-01, 1.7260e+00],  
[3.3008e-01, 5.4075e-06, 3.0251e-02],  
[1.2674e-02, 1.7311e-08, 1.9030e-03],  
[2.4148e+01, 1.6171e-01, 8.7886e-01],  
[3.7637e+00, 2.9456e-03, 2.4262e-01],  
[3.2180e+01, 1.8485e-02, 1.8629e+00],  
[1.3365e+02, 3.2796e+00, 3.6934e+00],  
[3.2993e+01, 1.8190e-01, 1.5397e+00],  
[1.0971e+01, 1.3652e-02, 6.1384e-01],  
[3.6300e+01, 1.2451e-01, 1.3781e+00],  
[1.2113e+00, 8.3021e-05, 1.4832e-01],  
[2.9353e+01, 2.8779e-01, 9.9124e-01],  
[1.7960e+01, 4.7786e-02, 7.6092e-01],  
[3.6189e+01, 2.3303e-01, 9.6041e-01],  
[5.8265e+00, 1.1265e-02, 5.2917e-01],  
[6.8855e+00, 8.6986e-03, 3.3876e-01],  
[5.2863e+01, 2.9682e-01, 1.5318e+00],  
[3.0873e+00, 5.0436e-04, 2.3837e-01],  
[1.7654e-01, 8.3900e-06, 2.3439e-02],  
[1.7111e+00, 5.3369e-04, 1.4971e-01],  
[2.1566e+02, 3.7656e+00, 4.9295e+00],  
[1.9682e+01, 1.9863e-02, 8.5937e-01],  
[1.6974e+01, 1.4274e-01, 9.1208e-01],  
[1.7022e-01, 1.5213e-05, 1.7326e-02],  
[1.0282e+01, 3.3844e-03, 6.5332e-01],  
[1.6434e+02, 3.7664e+00, 4.4599e+00],  
[4.0252e-02, 8.4878e-08, 5.4485e-03],  
[1.2591e+02, 5.0173e-01, 2.9330e+00],  
[9.7971e-02, 3.7788e-06, 1.2402e-02],  
[2.9475e-01, 9.5837e-05, 3.7732e-02],

[2.8928e-01, 2.7012e-06, 2.4741e-02],  
[1.1446e-01, 7.7517e-06, 1.2796e-02],  
[8.1690e+01, 8.5051e-01, 3.8841e+00],  
[3.9582e+00, 7.1811e-03, 3.9590e-01],  
[5.5270e-01, 1.6497e-04, 6.8258e-02],  
[2.6196e+00, 8.0121e-04, 1.2682e-01],  
[3.9614e-01, 4.3568e-05, 4.5782e-02],  
[1.2305e+00, 3.1926e-04, 1.3001e-01],  
[1.7847e+01, 7.5334e-02, 7.8592e-01],  
[1.1935e+01, 4.9073e-02, 5.5140e-01],  
[2.2940e-01, 3.1240e-06, 2.2785e-02],  
[5.0163e-02, 1.4088e-06, 6.7336e-03],  
[1.1523e+02, 1.6265e+00, 4.4608e+00],  
[2.7298e-03, 5.6127e-09, 4.3787e-04],  
[1.0498e+02, 1.8026e+00, 2.5245e+00],  
[2.9725e-01, 9.7208e-06, 3.5671e-02],  
[3.0481e+01, 4.3902e-01, 2.2817e+00],  
[2.6350e-01, 2.3115e-05, 2.6499e-02],  
[1.7471e+00, 2.9263e-04, 1.5153e-01],  
[5.5577e-01, 1.0795e-04, 6.6171e-02],  
[8.2230e+00, 1.4398e-02, 4.7288e-01],  
[3.0924e-01, 1.4337e-05, 3.7913e-02],  
[2.1518e+01, 9.7802e-02, 7.9851e-01],  
[5.7211e+00, 3.4813e-04, 2.7441e-01],  
[2.0532e+00, 7.3302e-05, 1.1266e-01],  
[8.0072e+00, 1.7427e-03, 3.7535e-01],  
[9.4428e+00, 5.5467e-02, 6.2087e-01],  
[4.8413e-01, 2.4920e-04, 5.7397e-02],  
[1.3242e+02, 2.1717e+00, 3.6655e+00],  
[2.0694e+00, 2.5871e-05, 1.3460e-01],  
[1.7961e+01, 3.5350e-02, 1.6797e+00],  
[1.6214e+01, 1.4064e-02, 1.3845e+00],  
[6.7079e+01, 8.9298e-01, 1.5333e+00],  
[1.1492e+01, 3.3965e-02, 7.3350e-01],  
[2.7673e+00, 5.6601e-04, 2.6147e-01],  
[1.4476e+00, 5.0656e-04, 1.3829e-01],  
[1.2189e-01, 1.5684e-06, 1.4559e-02],  
[6.9360e+00, 3.2172e-02, 7.3216e-01],  
[2.3797e-01, 6.7154e-06, 3.2291e-02],  
[5.6493e+01, 6.1141e-01, 1.2448e+00],  
[9.5006e+01, 1.9139e+00, 3.7965e+00],  
[1.4957e+02, 3.5588e+00, 3.3593e+00],  
[7.5191e+00, 7.6707e-03, 5.3470e-01],  
[7.7203e+01, 5.9107e-01, 1.8421e+00],  
[3.6775e+00, 1.3000e-03, 2.0741e-01],  
[4.8414e+00, 1.8786e-03, 2.6999e-01],  
[4.4174e+00, 7.9290e-03, 5.1095e-01],  
[3.5735e-02, 9.3235e-07, 5.1583e-03],

[1.6641e-02, 1.6572e-07, 2.4777e-03],  
[1.2869e+00, 3.0883e-04, 7.3563e-02],  
[1.1475e+01, 4.4283e-02, 8.4876e-01],  
[9.0333e+00, 1.1028e-02, 4.4361e-01],  
[7.0990e-03, 3.3547e-09, 1.1026e-03],  
[5.4594e+00, 1.0851e-02, 3.5961e-01],  
[2.3379e+00, 5.9751e-04, 3.0121e-01],  
[8.1207e-01, 4.5053e-04, 7.2653e-02],  
[1.8408e+01, 2.7009e-02, 6.5817e-01],  
[8.4574e+00, 1.8460e-02, 4.3142e-01],  
[5.7276e+01, 1.4170e-01, 2.8707e+00],  
[2.4480e+02, 1.4625e+00, 4.3416e+00],  
[2.1710e+01, 4.4381e-02, 1.3558e+00],  
[5.0443e+00, 5.7754e-03, 3.4168e-01],  
[2.7278e-02, 6.2479e-07, 3.8905e-03],  
[6.5119e-02, 7.4382e-07, 8.1600e-03],  
[7.2434e-01, 2.4350e-04, 7.8266e-02],  
[5.4068e+00, 3.2520e-03, 2.9670e-01],  
[1.8280e+02, 1.5944e+00, 4.1849e+00],  
[3.0655e+01, 2.4382e-01, 1.1275e+00],  
[1.6514e+01, 9.2483e-03, 9.6474e-01],  
[4.4041e+01, 2.7047e-01, 1.5524e+00],  
[8.2474e+00, 8.1870e-03, 7.3626e-01],  
[4.6280e-01, 2.9410e-05, 3.7630e-02],  
[1.2692e+02, 4.5244e-01, 3.7884e+00],  
[1.0280e+01, 1.6820e-02, 4.8479e-01],  
[5.6264e-01, 4.0642e-05, 6.3538e-02],  
[4.5460e+01, 5.6012e-02, 2.5620e+00],  
[6.2731e+01, 1.9431e-01, 1.5211e+00],  
[3.2402e+01, 3.8223e-01, 1.0548e+00],  
[6.5171e-02, 3.9390e-06, 9.8910e-03],  
[1.9813e+01, 5.0926e-02, 7.4200e-01],  
[2.0277e-01, 1.2545e-05, 2.8834e-02],  
[2.8092e+01, 1.6267e-01, 1.0710e+00],  
[1.4704e+01, 3.0221e-02, 1.5056e+00],  
[2.2648e-02, 1.3346e-07, 3.5682e-03],  
[3.7310e+01, 3.4480e-01, 1.0806e+00],  
[2.6708e+01, 1.2232e-01, 1.1385e+00],  
[6.3106e+01, 2.3411e-02, 2.8338e+00],  
[4.5319e+01, 2.6715e-01, 2.0358e+00],  
[7.8267e+01, 1.1250e+00, 1.8789e+00],  
[9.0933e-01, 6.2735e-05, 8.0476e-02],  
[2.0007e+01, 6.7832e-02, 7.6968e-01],  
[1.7536e+00, 1.6829e-04, 1.2970e-01],  
[2.0419e+01, 1.3825e-02, 1.3776e+00],  
[1.6133e-01, 8.9709e-06, 2.0431e-02],  
[8.2219e-02, 1.1548e-06, 1.1608e-02],  
[1.0424e+02, 5.3668e-02, 3.3343e+00],

[4.9055e+00, 2.6294e-03, 3.5488e-01],  
[1.5907e+00, 7.9412e-04, 1.9831e-01],  
[1.1268e+02, 1.2628e+00, 3.8144e+00],  
[1.4986e+00, 1.2632e-03, 1.4385e-01],  
[2.2262e-01, 2.5158e-05, 2.5095e-02],  
[9.6031e-01, 1.3046e-04, 6.0715e-02],  
[4.3723e+00, 5.7498e-03, 3.0622e-01],  
[2.4413e-01, 1.7417e-05, 2.7134e-02],  
[1.7599e+00, 4.6173e-04, 1.0499e-01],  
[3.6178e-01, 4.1735e-05, 4.2371e-02],  
[4.1623e-01, 6.2941e-05, 5.3345e-02],  
[5.8732e+00, 1.5104e-03, 4.7494e-01],  
[6.9135e+01, 2.9721e-01, 2.9110e+00],  
[2.2242e+00, 1.5293e-03, 1.5864e-01],  
[3.2353e+01, 8.1539e-02, 1.7271e+00],  
[6.8951e-01, 2.7300e-05, 7.5591e-02],  
[9.8374e-01, 2.9972e-04, 8.5765e-02],  
[1.0409e-01, 6.5518e-06, 1.5349e-02],  
[1.5736e-01, 3.7898e-06, 2.1456e-02],  
[3.7140e+01, 3.4715e-01, 1.4450e+00],  
[1.6468e-02, 2.1791e-07, 2.5056e-03],  
[2.5564e-01, 1.1498e-05, 3.2869e-02],  
[1.5597e+01, 3.6142e-02, 9.3427e-01],  
[2.0283e-01, 1.8932e-05, 2.0836e-02],  
[3.7263e+00, 5.4919e-03, 3.3034e-01],  
[3.6528e-01, 4.3262e-05, 4.2329e-02],  
[1.2040e-01, 5.0956e-06, 1.4981e-02],  
[4.5043e+00, 1.4197e-03, 3.5458e-01],  
[1.7365e+00, 4.3843e-04, 1.7956e-01],  
[2.2583e-01, 1.0078e-05, 2.9366e-02],  
[1.4150e+02, 2.8635e+00, 3.2386e+00],  
[3.1669e-01, 8.1374e-06, 3.4635e-02],  
[2.3748e+02, 8.0667e+00, 3.8801e+00],  
[3.3902e-01, 4.5130e-05, 3.3667e-02],  
[7.3339e+00, 1.7753e-02, 3.7550e-01],  
[2.4494e+01, 2.0362e-02, 1.1756e+00],  
[7.1503e-01, 4.9524e-04, 9.4180e-02],  
[2.4936e+00, 1.6706e-03, 1.8427e-01],  
[1.1785e+02, 1.7691e+00, 3.6536e+00],  
[1.6272e+01, 1.8430e-01, 1.5110e+00],  
[7.0732e-02, 3.4055e-06, 9.0870e-03],  
[1.6268e+02, 1.6439e+00, 3.8972e+00],  
[6.3638e+01, 1.3606e+00, 3.1580e+00],  
[5.3695e-01, 1.4579e-04, 6.0359e-02],  
[1.3677e+01, 2.5668e-02, 7.7765e-01],  
[1.8652e+02, 3.4498e+00, 3.1679e+00],  
[1.8424e-03, 2.6504e-09, 2.9535e-04],  
[8.9470e-02, 4.3051e-06, 1.1093e-02],

[4.2624e+01, 6.1484e-01, 1.6832e+00],  
[1.4022e-02, 3.6977e-07, 2.1241e-03],  
[1.7327e+02, 4.1508e+00, 3.6245e+00],  
[6.5820e+00, 2.1997e-02, 4.8372e-01],  
[9.4458e+01, 1.0830e+00, 1.9486e+00],  
[5.5544e+01, 4.9600e-01, 2.8135e+00],  
[7.2141e+00, 3.8000e-03, 3.2318e-01],  
[1.3565e+02, 2.2531e+00, 4.2401e+00],  
[8.5904e+00, 2.0080e-02, 8.9157e-01],  
[1.6430e+01, 3.3407e-02, 5.0821e-01],  
[1.5013e+00, 9.5554e-04, 1.8473e-01],  
[2.2082e+01, 4.6540e-02, 1.2798e+00],  
[2.6195e-02, 1.1070e-06, 4.0550e-03],  
[2.3334e-01, 4.7752e-06, 2.2147e-02],  
[3.2605e+00, 1.1656e-03, 1.4735e-01],  
[2.1494e-02, 3.7500e-08, 3.0792e-03],  
[4.1472e+00, 2.0584e-03, 2.9017e-01],  
[1.6752e-01, 1.2395e-05, 2.3833e-02],  
[3.4694e+00, 6.5510e-04, 2.0349e-01],  
[1.7144e-01, 1.7465e-05, 1.9331e-02],  
[2.6087e+00, 3.6317e-03, 2.8950e-01],  
[7.0542e+01, 9.0401e-01, 1.8900e+00],  
[1.8255e+01, 3.0725e-02, 7.1560e-01],  
[5.4720e+01, 3.8417e-01, 1.0916e+00],  
[1.5745e+01, 9.4148e-03, 6.0114e-01],  
[7.6171e+00, 4.4382e-03, 6.5051e-01],  
[2.2270e+01, 9.5189e-02, 1.6105e+00],  
[8.0256e+00, 1.2787e-02, 8.8557e-01],  
[6.5432e+00, 2.1743e-02, 5.2634e-01],  
[1.8614e+01, 7.8197e-02, 1.3029e+00],  
[6.5029e+00, 1.1234e-02, 3.6189e-01],  
[5.0305e-01, 5.0036e-05, 5.4163e-02],  
[1.2548e+01, 2.1934e-02, 4.9996e-01],  
[2.0611e+00, 3.6112e-04, 2.2234e-01],  
[1.0587e+01, 2.6036e-02, 7.8446e-01],  
[4.0141e-02, 1.3140e-07, 5.7772e-03],  
[1.0491e+00, 3.0570e-04, 1.1299e-01],  
[3.7296e+00, 8.5749e-03, 4.0606e-01],  
[6.2044e-01, 2.9995e-05, 6.6726e-02],  
[5.5942e+00, 2.9025e-03, 2.8119e-01],  
[3.3130e+00, 1.2844e-03, 1.8598e-01],  
[2.2991e-01, 3.3366e-05, 2.6193e-02],  
[1.0126e+00, 9.2419e-05, 6.2335e-02],  
[1.5643e+01, 4.4246e-02, 6.9322e-01],  
[2.6472e+01, 3.3970e-02, 9.8127e-01],  
[5.6018e+01, 5.6470e-01, 1.7588e+00],  
[6.4215e+00, 6.8080e-03, 4.6784e-01],  
[2.7044e-01, 2.9579e-06, 2.6230e-02],

```

[2.3916e-02, 1.3621e-07, 3.6069e-03],
[5.4719e+01, 6.3039e-01, 1.4962e+00],
[2.5187e+00, 9.5164e-04, 2.1420e-01],
[3.2881e+01, 9.4289e-02, 1.0579e+00],
[1.9462e+01, 5.3167e-02, 6.8719e-01],
[9.4874e-02, 6.6787e-06, 1.1813e-02],
[3.2386e+01, 1.4186e-01, 8.2258e-01],
[1.5882e+00, 1.4784e-03, 1.9126e-01],
[5.8046e+01, 1.9598e-01, 1.7278e+00],
[7.3789e+00, 7.3454e-04, 3.9441e-01],
[5.0887e+01, 1.1404e-01, 2.4354e+00],
[3.1690e-01, 1.4801e-05, 3.7763e-02],
[5.2077e-01, 5.2302e-06, 4.0292e-02],
[1.2362e+01, 9.3975e-02, 8.9724e-01],
[5.9402e+01, 1.1811e+00, 1.8171e+00],
[1.3749e+02, 2.4343e+00, 4.4113e+00],
[3.2413e-02, 5.4039e-07, 4.7005e-03],
[2.0743e+01, 1.1401e-01, 9.7069e-01],
[7.6387e-01, 2.5102e-04, 7.5552e-02],
[6.1422e+00, 1.5494e-02, 5.0913e-01],
[1.1798e+01, 5.1379e-02, 5.8679e-01],
[2.1894e-01, 2.1985e-05, 2.9866e-02],
[4.7213e+01, 5.0560e-02, 1.7002e+00],
[4.7930e+00, 1.1160e-02, 3.2685e-01],
[2.0830e+00, 3.2639e-04, 1.7758e-01],
[6.6223e+00, 1.1989e-02, 5.2459e-01],
[3.2800e+01, 1.9955e-01, 1.4898e+00],
[3.8833e+00, 1.4328e-03, 2.7218e-01],
[5.5401e+01, 8.3464e-02, 2.3554e+00],
[1.2026e+01, 7.0116e-02, 9.0725e-01],
[1.4481e-01, 2.7227e-05, 1.9521e-02],
[8.0907e+00, 2.4941e-02, 6.5801e-01],
[2.1374e+01, 8.3126e-02, 1.2980e+00],
[5.6942e-02, 1.0020e-06, 8.6481e-03],
[1.5385e+00, 3.3381e-04, 1.2085e-01],
[1.4349e+02, 7.6072e-01, 3.6472e+00]], dtype=torch.float64)
Iteration: 227
Inputs: tensor([[6.3197e+20, 4.4075e+02, 1.9702e+01, 3.1020e+00],
               [3.8500e+20, 1.2071e+02, 1.2258e+01, 3.3504e+00],
               [2.0999e+19, 5.7284e+01, 9.9507e-01, 2.7676e+00],
               ...,
               [3.4045e+19, 4.3935e+02, 1.9203e+01, 1.3508e+00],
               [9.5766e+18, 4.8328e+02, 1.0405e+00, 3.7481e+00],
               [1.4364e+20, 4.4773e+02, 1.8229e+01, 3.8262e+00]]), dtype=torch.float64)
Target: tensor([[8.8621e+01, 7.7888e-01, 3.5139e+00],
               [2.5109e+01, 8.4271e-02, 1.8034e+00],
               [2.2008e+00, 1.7550e-04, 2.0968e-01],
               [8.7636e+01, 9.1881e-01, 2.0145e+00],

```

[4.0707e+01, 1.1694e-01, 8.7155e-01],  
 [1.3090e+02, 6.9217e-01, 4.3020e+00],  
 [2.5774e-02, 7.2619e-08, 3.6351e-03],  
 [2.1071e+01, 4.4608e-02, 7.9710e-01],  
 [4.9942e-02, 1.0061e-06, 7.4399e-03],  
 [2.7641e+00, 1.9534e-03, 1.8419e-01],  
 [4.5949e+01, 4.2819e-01, 2.6917e+00],  
 [6.8324e-02, 6.8323e-07, 8.4015e-03],  
 [1.9645e+02, 1.8127e+00, 4.6857e+00],  
 [1.7116e-01, 1.5466e-05, 2.1864e-02],  
 [1.8416e+02, 2.2904e+00, 4.6466e+00],  
 [2.1329e+01, 4.5485e-02, 6.6795e-01],  
 [1.1582e+01, 8.6044e-02, 7.4195e-01],  
 [4.0538e+00, 3.5563e-03, 2.2163e-01],  
 [3.3523e-01, 9.8819e-05, 3.6033e-02],  
 [2.1150e+00, 1.1569e-03, 1.3990e-01],  
 [4.1712e+00, 3.2307e-03, 4.5460e-01],  
 [6.9055e+00, 4.1906e-03, 2.9108e-01],  
 [1.9619e+01, 1.4800e-01, 7.7853e-01],  
 [3.3775e+01, 2.3422e-01, 1.0437e+00],  
 [1.3548e+00, 2.4268e-04, 7.0555e-02],  
 [1.9388e+01, 4.2683e-02, 1.8562e+00],  
 [3.8330e+01, 9.1852e-02, 1.7596e+00],  
 [1.4657e-01, 8.9037e-06, 2.0078e-02],  
 [1.2688e+02, 1.7258e-01, 3.0410e+00],  
 [3.4723e+01, 2.2766e-01, 2.3811e+00],  
 [5.4522e-01, 5.7737e-05, 4.3159e-02],  
 [1.8227e+02, 1.0366e+00, 3.8144e+00],  
 [6.8714e+00, 1.2276e-02, 6.0358e-01],  
 [1.4928e+00, 2.5288e-04, 1.1480e-01],  
 [2.0213e+01, 6.2787e-02, 7.4432e-01],  
 [7.9594e+01, 1.1868e+00, 2.8674e+00],  
 [7.9033e+01, 7.8638e-01, 1.7289e+00],  
 [8.0927e-02, 3.8996e-07, 1.1628e-02],  
 [6.1062e-01, 1.7888e-04, 5.2475e-02],  
 [1.1657e+02, 1.2846e+00, 4.3887e+00],  
 [7.5047e+01, 1.7419e+00, 2.3914e+00],  
 [5.0352e+00, 1.0251e-02, 5.2994e-01],  
 [3.0018e+01, 2.8867e-02, 8.2903e-01],  
 [2.2955e+00, 2.0482e-03, 1.6868e-01],  
 [6.2790e+00, 2.6584e-03, 4.8507e-01],  
 [3.0220e+01, 2.3450e-01, 2.2859e+00],  
 [9.3370e+00, 7.6209e-03, 4.5752e-01],  
 [1.2051e+00, 5.9885e-04, 8.8400e-02],  
 [3.5140e-01, 4.3477e-05, 4.5680e-02],  
 [4.0608e+00, 1.1565e-03, 2.0259e-01],  
 [5.5776e+01, 2.6846e-01, 1.6165e+00],  
 [5.4797e-02, 1.3095e-06, 7.3891e-03],



[9.4345e+00, 4.2418e-03, 6.1863e-01],  
[1.8678e+01, 3.3836e-02, 9.1419e-01],  
[1.4498e+00, 3.3443e-04, 1.1487e-01],  
[5.1839e-01, 1.4000e-04, 7.3810e-02],  
[8.9780e-01, 4.0265e-04, 6.8903e-02],  
[1.8692e+01, 1.1452e-01, 7.9763e-01],  
[2.9944e+01, 2.0604e-01, 1.0778e+00],  
[1.8408e+02, 1.8991e+00, 4.6041e+00],  
[1.5874e+00, 5.2512e-04, 9.9618e-02],  
[4.7097e+00, 2.6012e-03, 5.5309e-01],  
[9.0644e+01, 7.4254e-01, 2.6449e+00],  
[1.0025e+02, 1.3275e+00, 3.9974e+00],  
[4.5376e+00, 3.2484e-03, 3.7337e-01],  
[4.1970e+00, 1.1956e-02, 4.0451e-01],  
[2.1120e+00, 5.8479e-04, 1.7011e-01],  
[2.4204e+00, 1.0823e-03, 1.5127e-01],  
[7.8514e+00, 5.9227e-03, 8.2501e-01],  
[8.9437e+01, 2.3053e+00, 4.1106e+00],  
[1.3653e+00, 2.3218e-04, 1.2534e-01],  
[1.6938e+00, 6.7059e-04, 1.3707e-01],  
[8.4742e+00, 3.4684e-03, 4.5183e-01],  
[9.7710e-01, 3.6442e-04, 8.1314e-02],  
[7.9102e+00, 4.5814e-03, 3.3751e-01],  
[8.9658e-02, 3.9622e-06, 1.2921e-02],  
[7.6437e+01, 6.7358e-01, 2.2773e+00],  
[2.1408e+01, 2.0375e-01, 8.8529e-01],  
[3.0568e+01, 1.6069e-02, 1.0613e+00],  
[7.4169e+01, 1.8176e-01, 1.9229e+00],  
[6.3228e+00, 1.0333e-02, 2.9863e-01],  
[9.7494e-01, 2.6749e-04, 7.7410e-02],  
[5.4473e+01, 4.2353e-01, 1.6139e+00],  
[9.0441e-01, 3.1885e-05, 1.0799e-01],  
[2.5058e+01, 3.3577e-02, 1.0736e+00],  
[4.1388e+01, 7.6112e-02, 1.6559e+00],  
[6.1434e-03, 1.1363e-08, 9.7479e-04],  
[5.6094e-02, 7.5741e-07, 8.3218e-03],  
[1.0921e+02, 1.4747e+00, 2.3225e+00],  
[2.3068e+01, 9.2468e-02, 1.4621e+00],  
[1.2571e+00, 2.4613e-04, 1.0170e-01],  
[1.2362e+01, 7.2590e-03, 5.7023e-01],  
[1.2756e-03, 1.3189e-09, 2.0596e-04],  
[2.2593e+02, 7.1156e+00, 4.7283e+00],  
[1.1622e+00, 3.7133e-05, 8.8985e-02],  
[3.7479e-03, 2.2730e-08, 6.0134e-04],  
[3.3168e+00, 3.4180e-04, 2.4906e-01],  
[1.9131e+02, 9.5786e+00, 4.3078e+00],  
[7.1679e+01, 6.6131e-01, 1.9314e+00],  
[1.1548e+00, 7.5609e-04, 1.5163e-01],

[3.1183e+02, 1.0227e+00, 4.8526e+00],  
 [9.9184e-01, 8.8240e-05, 7.3757e-02],  
 [1.7420e-02, 2.4082e-07, 2.6343e-03],  
 [6.5628e-02, 1.4968e-07, 9.4309e-03],  
 [2.7993e-02, 4.5787e-07, 3.8799e-03],  
 [3.7561e+01, 3.7485e-01, 2.3812e+00],  
 [2.5903e-02, 1.1699e-07, 3.8490e-03],  
 [4.8613e+01, 2.9858e-01, 1.6825e+00],  
 [5.0892e-01, 3.2374e-05, 3.8873e-02],  
 [9.5994e-02, 3.3110e-06, 1.1082e-02],  
 [2.8564e+00, 1.3371e-03, 1.7902e-01],  
 [1.5070e+01, 7.6856e-02, 6.6575e-01],  
 [1.4450e+00, 1.0158e-03, 1.1483e-01],  
 [7.5741e+01, 9.6960e-01, 2.8649e+00],  
 [9.0584e-01, 9.7990e-05, 1.3184e-01],  
 [3.9443e+00, 1.1291e-02, 3.1939e-01],  
 [1.0379e+01, 4.3668e-03, 7.6554e-01],  
 [2.0444e+01, 2.4045e-02, 1.5709e+00],  
 [2.1701e+01, 1.1530e-01, 1.1442e+00],  
 [6.7733e+00, 5.3983e-03, 3.2348e-01],  
 [5.0922e+01, 5.9850e-01, 1.6807e+00],  
 [1.3829e+01, 6.6411e-02, 1.0228e+00],  
 [3.3608e-02, 3.2465e-07, 4.8859e-03],  
 [5.4916e-01, 1.7588e-05, 7.3103e-02],  
 [4.8958e+00, 6.4099e-03, 4.4446e-01],  
 [1.6715e+00, 2.5028e-04, 9.8147e-02],  
 [4.1476e+01, 2.6726e-01, 2.1153e+00],  
 [5.8376e-01, 1.5675e-04, 6.7623e-02],  
 [2.0046e+00, 1.8520e-03, 1.6366e-01],  
 [6.3654e-02, 1.2094e-06, 9.5662e-03],  
 [4.1955e-02, 2.7365e-06, 5.9874e-03],  
 [1.0583e+01, 5.7486e-03, 7.0991e-01],  
 [1.1367e+02, 2.0059e+00, 2.7641e+00],  
 [3.2598e+02, 1.5680e+01, 4.8592e+00],  
 [1.1748e+00, 2.7140e-04, 1.2090e-01],  
 [8.9513e+00, 1.4172e-02, 3.5675e-01],  
 [2.5542e+01, 1.0363e-02, 8.0245e-01],  
 [2.7496e+01, 1.2753e-01, 1.6014e+00],  
 [8.7498e+01, 1.0099e+00, 1.9616e+00],  
 [8.1827e+01, 1.0782e+00, 2.6481e+00],  
 [1.5892e+00, 2.3070e-03, 1.9655e-01],  
 [1.3090e+00, 6.0761e-04, 9.3309e-02],  
 [9.6074e+00, 2.9628e-03, 6.5961e-01],  
 [4.1671e-03, 1.0638e-08, 6.5607e-04],  
 [6.1244e+00, 2.1803e-02, 7.0169e-01],  
 [2.9652e-01, 3.4185e-05, 3.2871e-02],  
 [4.6845e+00, 2.8054e-03, 4.5947e-01],  
 [5.7399e+01, 7.0394e-01, 1.9202e+00],

[2.0687e+01, 1.1263e-01, 9.3724e-01],  
[1.2234e+01, 2.8071e-02, 7.6922e-01],  
[9.4291e+00, 1.6899e-02, 6.7814e-01],  
[2.9237e+00, 6.2393e-04, 2.2507e-01],  
[6.8073e-01, 2.8712e-05, 5.1144e-02],  
[2.8255e-01, 7.1122e-05, 3.6447e-02],  
[6.0072e-01, 1.9666e-04, 6.8206e-02],  
[8.7966e+01, 5.6470e-01, 2.2309e+00],  
[1.4544e-01, 7.5677e-06, 1.7192e-02],  
[2.4623e+00, 1.8355e-04, 2.2156e-01],  
[8.4282e-01, 2.1716e-04, 1.0308e-01],  
[2.9423e+00, 3.0822e-03, 2.3870e-01],  
[2.2198e-01, 9.0550e-06, 2.5893e-02],  
[4.7474e-01, 2.2124e-05, 5.9878e-02],  
[5.6798e+01, 2.5070e-01, 1.6765e+00],  
[8.1609e+00, 3.6392e-02, 8.2407e-01],  
[2.9083e+00, 2.2785e-03, 2.8054e-01],  
[2.1656e+01, 5.8923e-02, 7.9015e-01],  
[1.1866e+01, 5.6314e-02, 5.9263e-01],  
[6.6396e+00, 3.6724e-03, 4.7454e-01],  
[3.5085e-01, 2.4877e-05, 3.2069e-02],  
[2.3308e-01, 5.1234e-05, 3.2504e-02],  
[6.7338e-03, 1.9091e-08, 1.0296e-03],  
[7.5732e-01, 1.5932e-04, 8.9167e-02],  
[6.9352e+00, 8.2494e-03, 3.2088e-01],  
[4.2849e-01, 1.2432e-04, 5.4060e-02],  
[1.4180e-01, 8.4572e-06, 1.6479e-02],  
[1.7628e+02, 1.5933e+00, 4.5121e+00],  
[1.7220e+02, 6.0815e-01, 3.4809e+00],  
[2.3092e+00, 1.6086e-03, 1.4897e-01],  
[3.2974e+00, 9.1781e-04, 3.3325e-01],  
[8.7407e-01, 2.4095e-04, 1.0484e-01],  
[4.1370e+01, 1.9390e-01, 1.7103e+00],  
[2.2568e+00, 2.5522e-04, 1.7993e-01],  
[6.0355e+01, 1.0270e+00, 1.7112e+00],  
[1.6447e+00, 4.7157e-04, 1.7735e-01],  
[9.4169e-01, 1.5629e-04, 1.1168e-01],  
[1.6252e+02, 2.2052e+00, 3.7104e+00],  
[7.7788e-02, 1.2578e-07, 9.7973e-03],  
[1.0829e+02, 2.6808e+00, 3.2122e+00],  
[4.3134e+01, 3.3605e-01, 1.8753e+00],  
[3.5176e+01, 1.6315e-01, 1.4056e+00],  
[2.2494e+01, 2.3016e-02, 7.0245e-01],  
[7.5504e+01, 3.5927e-01, 2.1564e+00],  
[3.5720e+01, 2.4515e-01, 1.7218e+00],  
[1.0646e+01, 3.2168e-02, 7.7065e-01],  
[2.3525e+00, 8.1224e-04, 1.9557e-01],  
[1.3074e-02, 8.0761e-08, 1.9879e-03],

[7.2588e-01, 1.3243e-04, 9.4451e-02],  
 [1.4738e+02, 3.4757e+00, 3.1536e+00],  
 [2.3746e+00, 8.8418e-04, 2.1156e-01],  
 [1.1506e-01, 2.6598e-06, 1.3025e-02],  
 [9.6266e+01, 1.2071e+00, 2.6503e+00],  
 [1.6993e+01, 4.6672e-03, 1.0408e+00],  
 [8.5918e+00, 1.3311e-02, 6.5061e-01],  
 [1.8991e-01, 5.4750e-06, 2.1439e-02],  
 [5.8568e-02, 6.5066e-07, 8.3948e-03],  
 [2.8033e-01, 1.0303e-04, 3.8074e-02],  
 [8.2567e-03, 2.1243e-08, 1.2511e-03],  
 [2.9357e+00, 4.2956e-03, 2.3462e-01],  
 [2.6715e+01, 1.7664e-01, 1.8683e+00],  
 [2.7792e+00, 2.7170e-03, 1.7806e-01],  
 [7.8676e+00, 2.8777e-02, 5.6678e-01],  
 [4.3691e+00, 6.6048e-04, 2.0067e-01],  
 [1.8612e+01, 1.2392e-01, 9.4452e-01],  
 [9.8920e+00, 5.3086e-04, 3.7402e-01],  
 [1.1741e+00, 8.6249e-04, 1.1039e-01],  
 [2.8437e+01, 6.6296e-02, 1.1575e+00],  
 [5.3481e+01, 5.7985e-01, 1.2979e+00],  
 [1.2658e+01, 6.2165e-03, 8.0290e-01],  
 [3.1833e+01, 2.1129e-01, 9.4666e-01],  
 [3.2066e+00, 1.2810e-03, 1.5029e-01],  
 [4.3876e+01, 3.2726e-01, 1.4337e+00],  
 [7.8151e-01, 1.8156e-05, 8.2191e-02],  
 [1.0240e+02, 6.4266e-01, 4.0769e+00],  
 [9.0295e+00, 1.3817e-02, 8.8646e-01],  
 [1.4264e-01, 9.4413e-06, 1.8867e-02],  
 [2.5386e-02, 4.5085e-07, 3.7525e-03],  
 [9.3477e-02, 1.7437e-06, 1.1080e-02],  
 [1.9454e+02, 4.5146e+00, 4.8427e+00],  
 [1.1146e+00, 2.7388e-04, 1.0027e-01],  
 [6.4406e+00, 1.8549e-03, 3.2032e-01],  
 [3.3183e+01, 6.2310e-02, 1.6675e+00],  
 [3.7586e+00, 3.7674e-03, 3.7273e-01],  
 [1.1782e+02, 3.3541e+00, 4.2370e+00],  
 [1.0552e+00, 1.3264e-05, 7.9456e-02],  
 [1.5954e-01, 1.6423e-05, 2.0510e-02],  
 [4.1134e-01, 8.5659e-05, 3.4876e-02],  
 [3.5033e+00, 4.4182e-03, 2.1433e-01],  
 [6.6192e+01, 2.2696e-01, 1.9113e+00],  
 [3.3547e+01, 2.1944e-02, 1.4478e+00],  
 [2.8287e-02, 7.2346e-07, 4.0828e-03],  
 [7.9579e-02, 1.8496e-07, 1.0567e-02],  
 [1.0101e+02, 2.4580e+00, 3.4425e+00],  
 [5.9538e-01, 9.2336e-05, 5.9509e-02],  
 [3.3138e-01, 2.9802e-05, 4.0353e-02],

[1.0110e+00, 5.2714e-04, 8.0866e-02],  
[6.4022e+01, 7.9495e-01, 2.5173e+00],  
[1.9672e+01, 5.1950e-02, 7.1726e-01],  
[4.1115e+01, 5.8192e-01, 1.2858e+00],  
[2.2861e-01, 2.8186e-06, 2.7496e-02],  
[3.2809e-02, 7.5274e-08, 5.0152e-03],  
[2.4919e-02, 3.2256e-07, 3.7356e-03],  
[1.7749e+01, 1.8905e-02, 1.4789e+00],  
[6.2408e+00, 1.3519e-03, 3.8296e-01],  
[4.4770e-02, 2.2383e-06, 6.3745e-03],  
[2.8383e+00, 1.4097e-03, 1.9542e-01],  
[1.4361e-01, 4.8028e-06, 1.7393e-02],  
[2.6634e+01, 6.2155e-02, 1.6099e+00],  
[9.1902e+01, 1.5619e+00, 3.8173e+00],  
[1.9531e+01, 2.7857e-02, 1.3526e+00],  
[2.1876e+02, 5.9488e+00, 4.1663e+00],  
[2.0682e+01, 3.6317e-02, 9.5191e-01],  
[2.4966e+00, 2.5914e-04, 1.5597e-01],  
[1.0560e+02, 1.2404e+00, 3.6726e+00],  
[3.6262e+01, 3.7118e-01, 1.2531e+00],  
[4.1466e-01, 1.5639e-05, 4.2477e-02],  
[3.1337e+00, 1.1446e-03, 3.6684e-01],  
[1.3419e-02, 2.6085e-08, 2.1122e-03],  
[2.2931e+02, 1.0911e+01, 4.6557e+00],  
[4.3688e+01, 2.7741e-01, 1.0240e+00],  
[2.0055e+01, 6.0833e-02, 9.0020e-01],  
[3.6273e-01, 1.0721e-04, 4.0784e-02],  
[1.1639e+00, 1.0297e-03, 1.1396e-01],  
[2.3082e+00, 1.1978e-03, 1.8268e-01],  
[8.1121e+00, 1.3113e-03, 5.3803e-01],  
[3.3520e+01, 2.5277e-01, 1.3570e+00],  
[3.5958e+01, 2.0755e-01, 1.4499e+00],  
[9.5828e+00, 1.2123e-02, 6.0998e-01],  
[3.3686e-01, 1.4507e-05, 3.1591e-02],  
[5.2467e+01, 2.3420e-01, 1.0037e+00],  
[4.3473e-01, 5.3480e-05, 3.4889e-02],  
[1.1306e+02, 3.5519e-01, 3.7069e+00],  
[1.2121e+00, 5.5696e-04, 1.0251e-01],  
[1.9784e+01, 1.6612e-01, 1.2399e+00],  
[7.3102e+00, 1.5309e-02, 7.8126e-01],  
[3.5305e-02, 5.1138e-07, 5.0246e-03],  
[9.4943e+00, 1.1359e-02, 6.0282e-01],  
[2.9170e+01, 2.4325e-01, 1.3759e+00],  
[8.1190e-01, 3.4174e-04, 8.6071e-02],  
[4.7726e-01, 9.4200e-06, 5.4395e-02],  
[5.8810e-01, 1.4167e-04, 5.8170e-02],  
[2.1527e-01, 3.1801e-05, 2.5580e-02],  
[1.7256e+00, 4.2362e-04, 9.4001e-02],

```

[9.3037e+00, 9.0245e-03, 3.6681e-01],
[5.0391e+01, 6.6508e-01, 3.0789e+00],
[5.2127e+01, 1.3672e-01, 2.1473e+00],
[4.0151e-03, 4.8363e-09, 6.2407e-04],
[3.6644e-02, 1.0914e-07, 5.6482e-03],
[1.7907e+00, 3.2426e-04, 1.4697e-01],
[1.4511e+02, 4.1597e-01, 4.5605e+00],
[3.3849e+01, 1.4701e-01, 1.5763e+00],
[6.8743e+01, 5.1658e-01, 1.5004e+00],
[8.3013e-04, 9.9130e-11, 1.3432e-04],
[3.2723e+00, 9.4449e-03, 3.7511e-01],
[3.0874e+01, 1.8485e-02, 1.2485e+00],
[6.1319e-01, 5.3480e-06, 5.3218e-02],
[6.7293e-01, 1.6057e-04, 5.4177e-02],
[4.1446e+00, 1.3384e-02, 3.6112e-01],
[6.6770e+00, 6.5323e-03, 5.8187e-01],
[1.1917e+00, 5.8941e-04, 8.9986e-02],
[4.5168e+01, 2.5337e-01, 9.9688e-01],
[4.0632e-01, 3.2905e-05, 3.5405e-02],
[9.0449e+00, 3.2483e-02, 6.0174e-01],
[1.3121e+02, 1.0061e+00, 2.4508e+00],
[5.4515e+01, 1.0287e+00, 2.6457e+00],
[1.3480e+00, 6.2168e-04, 1.3288e-01],
[1.0229e+02, 2.0139e+00, 4.1009e+00],
[5.9819e+01, 3.2995e-01, 1.5231e+00],
[2.7077e+00, 7.9466e-04, 2.6586e-01],
[9.2317e+00, 1.5370e-03, 3.0657e-01],
[3.6932e+01, 1.7915e-01, 1.5416e+00]], dtype=torch.float64)
Iteration: 228
Inputs: tensor([[1.1121e+18, 3.5443e+02, 1.2447e+01, 8.2420e+00],
[3.3266e+19, 3.8186e+01, 1.3999e+01, 2.5584e+00],
[1.1574e+19, 2.7205e+02, 1.6217e+01, 5.0014e+00],
...,
[5.0790e+20, 1.4905e+02, 5.0348e-01, 4.4528e+00],
[6.0886e+20, 8.5639e+01, 1.2725e+01, 2.3163e+00],
[2.2893e+18, 3.1214e+02, 1.3346e+01, 4.8633e+00]], dtype=torch.float64)
Target: tensor([[1.6797e-01, 1.4311e-05, 1.7368e-02],
[1.3927e-01, 7.6636e-06, 2.0807e-02],
[1.8119e+00, 9.3694e-04, 1.6132e-01],
[7.3904e+00, 8.4452e-03, 4.7168e-01],
[3.8223e+01, 2.1939e-01, 1.3261e+00],
[3.5839e+00, 4.2211e-03, 3.8465e-01],
[4.5161e-03, 2.5915e-08, 7.1585e-04],
[1.6445e+01, 1.8501e-02, 5.3618e-01],
[7.2088e+00, 1.1155e-02, 3.9261e-01],
[4.4106e+01, 2.1297e-01, 1.2101e+00],
[2.2787e-01, 2.6784e-05, 2.7106e-02],
[1.5778e+00, 5.6821e-04, 1.0431e-01],

```

[4.9329e+00, 1.5882e-02, 4.3918e-01],  
[9.8922e+01, 1.6871e-01, 2.1773e+00],  
[5.8451e+01, 2.3570e-01, 1.7009e+00],  
[1.6203e+02, 4.0998e+00, 2.9830e+00],  
[1.9996e+02, 1.6322e+00, 4.4942e+00],  
[3.6009e-01, 5.0877e-05, 3.3029e-02],  
[1.5821e+00, 3.2383e-04, 1.7658e-01],  
[7.4411e+00, 9.2227e-03, 3.0939e-01],  
[4.9031e-01, 1.5307e-04, 5.0739e-02],  
[7.8762e-02, 3.1861e-07, 9.4957e-03],  
[3.4826e-01, 2.0729e-05, 3.4511e-02],  
[1.5225e-03, 3.0562e-09, 2.4493e-04],  
[8.9398e-01, 1.9821e-04, 6.1502e-02],  
[2.2984e+02, 3.3102e+00, 4.5160e+00],  
[2.0166e+00, 1.3327e-03, 2.0181e-01],  
[9.8991e+00, 6.0803e-03, 9.7508e-01],  
[6.1732e+01, 1.5764e-01, 2.5201e+00],  
[1.3870e+01, 4.3040e-02, 1.2680e+00],  
[1.8623e+02, 2.0830e+00, 3.0168e+00],  
[1.3199e-01, 1.0392e-06, 1.5005e-02],  
[2.1205e-01, 3.9103e-05, 2.4717e-02],  
[2.6200e+00, 3.3987e-04, 1.8379e-01],  
[1.8927e+00, 1.7216e-03, 1.8262e-01],  
[2.9580e-01, 5.1256e-05, 3.4800e-02],  
[8.0631e+00, 4.0497e-03, 6.4932e-01],  
[3.7395e-01, 3.1004e-05, 3.3933e-02],  
[7.9955e+01, 1.0163e+00, 3.3176e+00],  
[1.0941e+02, 3.1613e+00, 4.3231e+00],  
[5.5676e+01, 5.6661e-02, 1.1480e+00],  
[8.9175e+00, 1.3420e-02, 4.7341e-01],  
[1.0662e+01, 3.7127e-02, 5.0673e-01],  
[4.7436e-01, 3.0205e-05, 5.6138e-02],  
[3.1741e+01, 4.2693e-02, 1.5146e+00],  
[1.1603e+01, 8.2730e-02, 8.8966e-01],  
[3.2297e+01, 3.9812e-01, 2.4141e+00],  
[2.4077e-01, 3.0226e-05, 2.4605e-02],  
[4.3207e+01, 5.6225e-01, 1.3031e+00],  
[1.5654e-01, 1.3912e-05, 1.6749e-02],  
[1.8380e-01, 2.0887e-05, 2.3203e-02],  
[2.4669e+01, 2.3048e-01, 1.3257e+00],  
[4.2976e+00, 1.0930e-03, 2.8885e-01],  
[6.8967e+00, 2.4493e-02, 6.9508e-01],  
[2.3013e+01, 3.8002e-02, 1.1737e+00],  
[7.7978e+01, 6.9387e-01, 1.7813e+00],  
[7.2951e+01, 7.9174e-02, 1.8540e+00],  
[3.2797e-01, 3.4837e-05, 3.6558e-02],  
[9.7045e-01, 3.2490e-04, 7.9771e-02],  
[6.0291e-01, 3.1674e-05, 7.0135e-02],

[3.5144e+00, 2.2784e-03, 2.6462e-01],  
[7.4382e+00, 2.4235e-02, 7.5695e-01],  
[7.2863e-01, 1.3190e-04, 6.5423e-02],  
[1.5740e-01, 7.3336e-06, 2.1345e-02],  
[1.9166e+02, 3.1857e+00, 3.9940e+00],  
[3.1101e+01, 2.0600e-01, 1.2284e+00],  
[2.0704e-02, 7.1525e-08, 3.0188e-03],  
[5.0729e+00, 3.3457e-04, 2.3886e-01],  
[1.5509e+01, 1.1208e-01, 9.7926e-01],  
[1.5561e-01, 5.5451e-06, 1.8387e-02],  
[1.8616e+01, 1.2229e-02, 6.5209e-01],  
[1.4766e+02, 1.8842e+00, 3.0021e+00],  
[1.5161e+01, 4.9678e-02, 7.2569e-01],  
[1.5032e+01, 1.3732e-02, 1.0698e+00],  
[6.6025e+00, 7.1113e-03, 5.4956e-01],  
[3.0635e+00, 2.6999e-04, 2.3707e-01],  
[6.4573e+00, 5.9100e-03, 2.8196e-01],  
[2.6951e+00, 4.5740e-04, 2.3555e-01],  
[7.5657e+01, 1.3863e-01, 3.5172e+00],  
[6.5709e+00, 2.3384e-03, 3.3630e-01],  
[7.0252e+00, 1.4785e-02, 6.5432e-01],  
[2.3442e-02, 1.3407e-07, 3.3366e-03],  
[4.7101e+01, 4.4223e-01, 2.5391e+00],  
[6.9535e+01, 1.6337e+00, 3.1654e+00],  
[3.0142e+01, 1.0620e-01, 1.0508e+00],  
[1.5157e+02, 6.8197e+00, 3.7300e+00],  
[8.2050e-02, 1.8316e-06, 1.0665e-02],  
[5.7711e+00, 2.7733e-03, 5.2747e-01],  
[1.5785e+02, 9.8454e-01, 3.8780e+00],  
[6.7037e+01, 2.1799e-01, 2.8880e+00],  
[3.0963e+01, 2.2102e-01, 1.2929e+00],  
[3.3212e-02, 1.2213e-07, 4.5893e-03],  
[1.3112e+01, 3.3852e-02, 4.5672e-01],  
[1.4599e+01, 5.9839e-03, 7.1833e-01],  
[1.0011e+02, 3.3048e-01, 2.3289e+00],  
[1.2069e+01, 2.3165e-02, 9.9791e-01],  
[3.7824e+00, 3.4064e-04, 3.8353e-01],  
[2.4918e+02, 4.8308e+00, 4.7547e+00],  
[8.8483e+00, 1.0617e-03, 3.8928e-01],  
[8.7763e-04, 4.3319e-10, 1.4310e-04],  
[2.5824e+01, 2.9472e-02, 1.0496e+00],  
[5.3219e+01, 4.1365e-01, 1.3819e+00],  
[1.8015e+00, 7.5059e-04, 1.5286e-01],  
[1.2983e-01, 4.2101e-06, 1.7218e-02],  
[3.0824e+01, 2.1302e-01, 9.5907e-01],  
[1.7327e+00, 5.2593e-04, 1.2804e-01],  
[7.8619e+01, 1.3639e+00, 2.7476e+00],  
[1.1452e+02, 1.5508e+00, 3.2505e+00],



[5.1453e+01, 2.1845e-01, 2.2669e+00],  
[1.9745e+00, 3.8667e-03, 2.1499e-01],  
[1.3912e+01, 1.4636e-02, 8.0542e-01],  
[6.3118e-02, 3.6168e-06, 8.6270e-03],  
[2.6948e-01, 1.5004e-05, 2.4472e-02],  
[7.3809e+00, 8.1436e-03, 3.2162e-01],  
[7.8154e+00, 1.9641e-02, 4.8149e-01],  
[1.0922e+00, 9.8227e-04, 1.1998e-01],  
[1.2071e+00, 7.2163e-04, 9.2552e-02],  
[1.9685e+00, 1.4878e-04, 1.3287e-01],  
[1.5728e+01, 1.4341e-01, 1.5021e+00],  
[1.4460e+00, 1.4930e-04, 1.4129e-01],  
[3.7175e-02, 1.7588e-06, 5.0334e-03],  
[3.6006e+01, 1.4254e-02, 1.8559e+00],  
[1.2597e-02, 4.3371e-08, 1.8565e-03],  
[3.3759e-01, 3.8112e-05, 2.9834e-02],  
[1.0506e+01, 4.5192e-03, 8.7980e-01],  
[8.2497e+01, 7.4429e-01, 1.8132e+00],  
[3.9838e+00, 2.7532e-03, 4.0441e-01],  
[6.9404e+01, 6.7895e-01, 1.7074e+00],  
[7.9503e-02, 8.6101e-07, 1.0480e-02],  
[6.3004e+01, 9.0379e-01, 1.6336e+00],  
[7.6597e+01, 9.7858e-01, 3.8884e+00],  
[1.6106e-02, 1.6396e-08, 2.3276e-03],  
[5.6480e-02, 2.9621e-06, 7.8264e-03],  
[1.2319e+00, 2.4224e-04, 7.2305e-02],  
[2.7983e+00, 5.3510e-04, 1.9535e-01],  
[7.6323e+00, 1.6281e-02, 5.5675e-01],  
[5.1666e+01, 1.6325e-01, 2.1869e+00],  
[1.8526e+01, 8.9548e-02, 1.4543e+00],  
[5.0145e-01, 1.3825e-05, 3.6413e-02],  
[1.4926e+01, 4.7976e-02, 1.3408e+00],  
[3.4968e+00, 2.8580e-03, 3.5613e-01],  
[1.8313e+01, 4.0600e-02, 5.1184e-01],  
[5.0932e-01, 2.3071e-04, 6.7888e-02],  
[1.9929e+01, 2.4089e-01, 1.1771e+00],  
[1.2031e+01, 2.8198e-02, 6.4980e-01],  
[1.6393e+01, 4.7073e-02, 1.1771e+00],  
[4.3734e+00, 1.5357e-03, 2.4758e-01],  
[2.7770e+01, 1.6085e-02, 1.1782e+00],  
[7.8429e-01, 1.2372e-04, 6.4647e-02],  
[3.3753e+01, 3.2793e-02, 1.0255e+00],  
[2.7007e+00, 3.6561e-04, 2.9940e-01],  
[3.8692e+01, 3.1332e-02, 2.5534e+00],  
[1.5361e+02, 8.7660e-01, 3.7314e+00],  
[4.3822e+01, 1.7813e-01, 1.3531e+00],  
[6.2074e+01, 3.1221e-01, 1.8623e+00],  
[2.0452e+00, 4.1320e-03, 2.1317e-01],

[8.5563e+01, 1.0374e+00, 2.2509e+00],  
[2.2897e+00, 2.2687e-03, 2.3249e-01],  
[3.1811e-01, 5.7200e-05, 3.9652e-02],  
[2.6299e+01, 3.5793e-02, 8.0805e-01],  
[1.2445e+01, 1.0961e-01, 9.7855e-01],  
[6.9190e-03, 1.6663e-08, 1.0704e-03],  
[2.1405e-01, 1.9506e-05, 2.1932e-02],  
[1.4316e+02, 3.6703e-01, 4.6651e+00],  
[9.1420e-01, 1.2171e-04, 9.5284e-02],  
[2.8487e+01, 2.6369e-01, 1.0156e+00],  
[3.9376e+01, 2.2711e-01, 1.8507e+00],  
[1.2813e+02, 1.6252e+00, 3.9301e+00],  
[1.0823e+02, 1.8001e+00, 3.3895e+00],  
[3.5801e-02, 2.4145e-07, 4.8846e-03],  
[1.3033e+02, 1.4830e+00, 3.6773e+00],  
[3.3949e-01, 6.2393e-05, 3.4273e-02],  
[1.2490e+00, 4.2853e-04, 8.9289e-02],  
[1.1833e+00, 4.8816e-04, 9.6559e-02],  
[1.5484e+01, 2.2726e-02, 6.0706e-01],  
[4.1000e-01, 1.1707e-05, 5.4106e-02],  
[1.3509e+02, 5.4515e-01, 4.3358e+00],  
[1.5352e+00, 1.5877e-03, 2.1052e-01],  
[8.2812e+00, 2.3339e-02, 4.0131e-01],  
[1.3544e+00, 5.7396e-04, 1.2684e-01],  
[1.8128e+02, 1.1140e+00, 4.0998e+00],  
[3.1039e-01, 1.0971e-04, 4.0473e-02],  
[2.3001e+00, 1.1466e-03, 1.3247e-01],  
[5.2259e-01, 1.4210e-04, 4.9160e-02],  
[4.4159e-01, 4.7532e-05, 5.4562e-02],  
[6.5676e-04, 3.2013e-10, 1.0654e-04],  
[2.5145e+01, 8.7922e-03, 9.7647e-01],  
[1.0334e+02, 1.4800e-01, 4.1346e+00],  
[2.4328e+01, 9.8057e-02, 1.0239e+00],  
[5.0304e+01, 5.4132e-01, 1.3112e+00],  
[9.8954e+01, 1.2323e+00, 1.6568e+00],  
[2.1812e+01, 5.8739e-02, 7.9482e-01],  
[4.7353e+01, 3.0031e-01, 2.0844e+00],  
[7.7232e-01, 1.9180e-04, 6.3212e-02],  
[5.3824e+00, 4.0505e-03, 3.6233e-01],  
[6.3701e+01, 5.8001e-02, 2.3847e+00],  
[1.0254e+01, 2.9788e-02, 4.8686e-01],  
[4.2634e-01, 4.1493e-05, 5.4109e-02],  
[3.2053e+00, 5.1004e-03, 2.8018e-01],  
[1.9288e+01, 2.6550e-02, 5.2899e-01],  
[8.9712e-02, 3.0914e-06, 1.2344e-02],  
[9.8140e+01, 1.4208e+00, 2.0425e+00],  
[1.7582e-01, 1.9419e-05, 1.8326e-02],  
[1.4385e+00, 2.4169e-04, 1.1419e-01],

[2.3276e+01, 7.1743e-02, 8.7274e-01],  
[1.6853e+02, 1.4834e+00, 3.0816e+00],  
[3.1731e+01, 1.7139e-01, 1.9382e+00],  
[6.9150e+01, 5.9584e-01, 1.6204e+00],  
[5.6194e+01, 5.7185e-01, 1.5644e+00],  
[2.5065e+00, 1.0839e-03, 1.5375e-01],  
[2.7763e-01, 6.1987e-06, 2.8849e-02],  
[7.7659e+00, 8.8613e-03, 3.8852e-01],  
[7.2720e+01, 4.4055e-01, 1.9233e+00],  
[2.4006e-01, 9.4789e-06, 2.5502e-02],  
[1.4433e+00, 6.9133e-04, 1.3117e-01],  
[5.6617e+01, 4.8106e-01, 3.3735e+00],  
[1.0586e+01, 7.2799e-03, 5.8476e-01],  
[4.0095e+01, 4.1335e-01, 9.9405e-01],  
[1.3420e+02, 4.3136e+00, 4.0292e+00],  
[1.9878e+01, 4.2632e-02, 5.7772e-01],  
[8.1449e+01, 2.0311e+00, 2.2033e+00],  
[1.0474e+00, 2.5975e-05, 8.0858e-02],  
[2.3984e+02, 3.7058e+00, 4.1151e+00],  
[2.2458e+00, 1.2001e-03, 1.4189e-01],  
[7.5671e-01, 5.0689e-05, 5.1038e-02],  
[1.0528e+00, 6.5720e-05, 8.7422e-02],  
[5.2790e-01, 2.6441e-04, 6.4952e-02],  
[2.9954e+00, 3.6491e-03, 2.2824e-01],  
[9.1511e+01, 6.7316e-01, 3.8794e+00],  
[3.2647e+00, 6.1274e-04, 3.7932e-01],  
[2.8391e+00, 1.8143e-03, 2.0101e-01],  
[1.3796e+02, 2.8596e+00, 3.7130e+00],  
[2.7187e-01, 1.5065e-05, 3.8680e-02],  
[6.7804e-02, 4.9502e-07, 8.6985e-03],  
[1.9025e-01, 1.5027e-05, 2.6786e-02],  
[1.5216e+00, 7.4754e-04, 1.2055e-01],  
[1.4793e+00, 8.3705e-05, 9.4649e-02],  
[1.8187e-02, 5.0263e-08, 2.7599e-03],  
[3.3659e+01, 1.1119e-01, 1.3257e+00],  
[8.5053e+01, 1.5310e+00, 2.8849e+00],  
[5.9885e+01, 8.3012e-02, 1.5905e+00],  
[1.3865e-01, 7.6669e-06, 1.9219e-02],  
[1.7077e+02, 1.9370e+00, 4.2136e+00],  
[5.3464e+01, 4.0204e-01, 3.1685e+00],  
[3.7460e+01, 1.7549e-01, 1.1002e+00],  
[3.0987e+01, 1.1357e-01, 1.5829e+00],  
[2.1658e-01, 2.4994e-05, 3.0656e-02],  
[1.3594e+01, 4.9537e-02, 7.0545e-01],  
[3.2020e+01, 3.7638e-02, 1.7448e+00],  
[1.8536e+02, 2.4375e+00, 4.1630e+00],  
[1.9113e+01, 7.2665e-02, 8.3327e-01],  
[5.0795e+00, 7.6764e-03, 4.7224e-01],

[1.2797e+00, 1.0680e-03, 1.5577e-01],  
[2.4281e+00, 7.4106e-04, 1.2731e-01],  
[3.3562e-01, 1.2257e-04, 4.4703e-02],  
[4.1683e+01, 1.4397e-02, 9.8066e-01],  
[1.6912e+01, 4.7956e-02, 7.3666e-01],  
[7.4644e-01, 1.3203e-04, 6.6777e-02],  
[2.8314e+01, 1.4806e-01, 1.3110e+00],  
[9.4609e-02, 2.1307e-06, 1.2145e-02],  
[9.4629e+01, 1.4870e+00, 3.7016e+00],  
[2.9189e+01, 1.3959e-01, 1.0715e+00],  
[4.5849e+01, 4.9245e-01, 1.9394e+00],  
[3.7732e+00, 3.3898e-04, 1.9234e-01],  
[4.6804e-02, 6.6985e-08, 6.4641e-03],  
[3.5834e+00, 1.4617e-03, 1.7129e-01],  
[3.2678e+01, 7.4936e-03, 1.0131e+00],  
[1.2186e+02, 4.5207e-01, 4.0107e+00],  
[1.3062e+01, 1.6276e-02, 5.3254e-01],  
[7.6229e+00, 2.0479e-02, 4.3978e-01],  
[7.5749e+01, 5.1834e-01, 1.7440e+00],  
[1.9275e-03, 3.4412e-09, 3.0980e-04],  
[8.0773e+01, 1.5397e+00, 2.3183e+00],  
[4.8097e+01, 2.1466e-01, 2.4267e+00],  
[2.0700e+01, 2.0635e-03, 6.1187e-01],  
[4.4857e+01, 1.2450e-01, 1.4783e+00],  
[1.9238e+02, 3.7493e-01, 4.2984e+00],  
[8.1807e-02, 4.3768e-06, 1.1732e-02],  
[6.7271e+00, 4.6641e-03, 5.8293e-01],  
[1.0974e+02, 1.4343e+00, 3.9645e+00],  
[3.8582e+01, 3.6028e-01, 1.4254e+00],  
[1.2542e+00, 1.9616e-04, 7.2663e-02],  
[1.4694e+01, 9.1201e-02, 1.1004e+00],  
[8.4341e+00, 1.7249e-02, 4.5967e-01],  
[2.5247e-04, 1.3839e-11, 4.1460e-05],  
[2.0454e+01, 2.5374e-02, 1.0236e+00],  
[8.5979e+01, 4.1925e-02, 2.1401e+00],  
[5.2494e+00, 5.3492e-03, 4.3560e-01],  
[5.8665e+01, 7.1137e-01, 1.5396e+00],  
[2.7348e-01, 1.3911e-05, 3.2645e-02],  
[3.4500e-02, 6.5878e-07, 4.7355e-03],  
[2.0197e-02, 6.8467e-08, 3.0011e-03],  
[1.2432e+01, 5.1733e-02, 5.1258e-01],  
[7.3729e+01, 4.1285e-01, 3.2042e+00],  
[4.2938e+01, 6.5992e-01, 1.8181e+00],  
[1.0302e+02, 1.2483e+00, 2.7589e+00],  
[7.1142e-01, 3.0198e-04, 6.1934e-02],  
[6.5957e+01, 8.8146e-01, 2.7302e+00],  
[4.7123e-01, 9.2543e-05, 4.7343e-02],  
[6.5757e-01, 3.5789e-05, 6.1218e-02],

```

[1.7657e+01, 1.0410e-01, 1.2709e+00],
[2.0949e-01, 6.5455e-06, 2.9599e-02],
[2.7024e+01, 4.1185e-02, 9.8602e-01],
[2.5234e+01, 7.7257e-02, 7.9171e-01],
[2.1132e+00, 1.8798e-03, 2.0638e-01],
[2.7126e+01, 1.5781e-01, 1.2434e+00],
[3.4666e+01, 2.5521e-01, 1.5998e+00],
[8.8016e+01, 1.3179e+00, 3.5592e+00],
[2.6818e+00, 2.2158e-03, 2.2857e-01],
[2.0217e+00, 1.9479e-04, 1.3055e-01],
[5.1927e+01, 3.2717e-01, 2.9135e+00],
[7.4544e-01, 8.9629e-05, 6.3021e-02],
[4.3311e-01, 2.0703e-05, 3.4225e-02],
[1.4295e+00, 2.9867e-04, 1.6103e-01],
[5.9561e+01, 8.4571e-01, 2.0759e+00],
[1.4971e+02, 1.5321e+00, 2.6262e+00],
[6.0540e+00, 1.9228e-03, 5.3594e-01],
[1.3319e+02, 4.5984e-01, 3.4698e+00],
[1.4448e+01, 2.8036e-02, 1.4005e+00],
[2.2386e-01, 1.5110e-05, 2.5139e-02]], dtype=torch.float64)
Iteration: 229
Inputs: tensor([[1.4288e+19, 1.7664e+02, 6.7654e+00, 9.6540e+00],
[2.5435e+19, 1.8924e+02, 1.5766e+01, 9.0998e+00],
[7.0558e+19, 4.4084e+02, 9.6238e+00, 9.0514e+00],
...,
[1.4200e+19, 1.6863e+02, 8.4977e+00, 9.9429e+00],
[9.1441e+19, 3.4774e+02, 1.6792e+01, 4.1834e+00],
[1.8441e+20, 4.1452e+02, 1.6575e+00, 7.5190e+00]], dtype=torch.float64)
Target: tensor([[4.4333e+00, 5.8421e-03, 2.8637e-01],
[5.9082e+00, 1.7398e-02, 4.0001e-01],
[4.6222e+01, 4.5377e-01, 1.1660e+00],
[1.1155e+01, 4.6514e-02, 6.0447e-01],
[2.9245e-02, 4.5743e-08, 4.1762e-03],
[3.8977e-02, 7.8715e-07, 5.2893e-03],
[5.9355e+00, 4.2987e-03, 5.6411e-01],
[1.0164e+02, 2.2189e+00, 3.5753e+00],
[3.7057e+00, 6.9077e-04, 2.2152e-01],
[1.8191e+01, 7.4770e-02, 1.1018e+00],
[5.8100e+01, 4.3465e-02, 2.4574e+00],
[1.0849e+01, 5.7403e-02, 5.8267e-01],
[3.5224e+01, 1.2426e-01, 1.6911e+00],
[7.9422e+00, 1.6797e-02, 5.0752e-01],
[2.9521e+01, 2.0828e-01, 1.1533e+00],
[1.5581e+02, 4.4011e+00, 3.3782e+00],
[2.8516e+01, 7.1411e-03, 7.6592e-01],
[1.2371e+02, 6.5688e-01, 3.9306e+00],
[2.6506e-01, 3.3178e-05, 2.6607e-02],
[9.5621e+01, 1.7662e-01, 3.4827e+00],

```

[1.7368e+01, 6.2734e-02, 6.5537e-01],  
[7.2488e-02, 4.8942e-06, 9.0831e-03],  
[3.6684e-01, 6.4418e-05, 3.6543e-02],  
[1.9779e+00, 3.1978e-04, 1.7146e-01],  
[2.1798e-01, 2.0231e-05, 2.4664e-02],  
[3.4371e+00, 5.1150e-04, 1.9557e-01],  
[1.5889e+00, 7.0307e-05, 1.6413e-01],  
[1.9568e+02, 6.2169e+00, 3.8898e+00],  
[1.2913e+01, 4.2014e-03, 6.2308e-01],  
[1.0895e+02, 5.7872e-01, 2.3816e+00],  
[4.6602e+00, 1.2596e-03, 4.3593e-01],  
[2.9459e+01, 5.8502e-02, 1.4272e+00],  
[1.9451e+02, 7.2422e+00, 3.9045e+00],  
[3.6287e-01, 3.7992e-05, 5.2502e-02],  
[4.6932e+00, 1.7422e-03, 3.0589e-01],  
[8.5854e+01, 6.8644e-01, 3.1845e+00],  
[3.7642e+00, 2.3430e-03, 2.9637e-01],  
[2.1923e+01, 7.0006e-02, 6.9981e-01],  
[1.5272e+01, 8.7612e-03, 7.6591e-01],  
[5.4101e-02, 5.5380e-07, 7.7560e-03],  
[9.0772e-01, 2.4087e-04, 9.1740e-02],  
[4.6499e-01, 4.0073e-05, 5.5168e-02],  
[4.3255e+00, 3.7738e-03, 2.4682e-01],  
[1.2966e+02, 1.0968e+00, 3.1276e+00],  
[1.5011e+01, 4.3300e-02, 5.4678e-01],  
[4.5117e-01, 1.1565e-04, 4.0394e-02],  
[6.6017e-02, 2.8527e-06, 9.0791e-03],  
[1.1989e+00, 1.8791e-04, 1.3476e-01],  
[3.0199e+01, 4.3865e-02, 8.4913e-01],  
[3.6167e+01, 1.4054e-01, 1.3298e+00],  
[3.8626e+00, 3.0589e-03, 4.1433e-01],  
[4.3346e-01, 3.1579e-05, 5.5116e-02],  
[7.1423e-01, 7.6733e-05, 6.9293e-02],  
[2.9034e-01, 1.6429e-05, 2.7969e-02],  
[1.3045e+01, 1.4388e-01, 1.1758e+00],  
[1.5964e+00, 5.3602e-04, 1.0401e-01],  
[3.8426e-01, 1.8382e-05, 4.7141e-02],  
[5.2499e+00, 2.1360e-03, 2.6043e-01],  
[1.1074e-02, 1.0896e-07, 1.7338e-03],  
[1.8678e+01, 2.2896e-02, 1.3872e+00],  
[4.7890e-01, 4.4458e-05, 4.3228e-02],  
[2.5475e+01, 2.7545e-02, 9.5218e-01],  
[1.6773e+01, 4.5232e-02, 8.0014e-01],  
[5.4514e+01, 4.6309e-01, 1.6835e+00],  
[5.2823e-01, 1.2335e-04, 5.9737e-02],  
[3.7351e+01, 2.1296e-02, 2.1604e+00],  
[1.3539e+02, 2.6239e-01, 2.6431e+00],  
[1.1598e+02, 7.0655e-01, 2.5338e+00],

[4.4250e+00, 1.7164e-03, 1.8552e-01],  
[3.9637e+01, 4.4844e-01, 2.4984e+00],  
[4.5454e-02, 6.5088e-07, 6.3330e-03],  
[8.2098e+01, 1.1192e+00, 3.3115e+00],  
[1.2413e+01, 9.1912e-03, 5.8409e-01],  
[7.1592e-01, 4.0753e-04, 7.8452e-02],  
[2.0613e+01, 2.4380e-02, 1.8542e+00],  
[4.8054e+00, 1.0019e-02, 4.0228e-01],  
[5.2610e+00, 1.5449e-02, 4.2086e-01],  
[1.0821e+01, 1.4344e-02, 4.0367e-01],  
[2.0608e+02, 5.3135e+00, 3.4811e+00],  
[1.3775e+01, 6.1400e-03, 6.2128e-01],  
[3.0027e+01, 3.1695e-02, 1.1961e+00],  
[1.2426e-03, 1.5321e-10, 2.0166e-04],  
[3.8913e+01, 3.2051e-01, 1.8784e+00],  
[6.4385e-01, 6.2399e-05, 6.8655e-02],  
[1.6319e+02, 4.3010e+00, 4.6745e+00],  
[5.6943e+01, 3.8937e-01, 1.7539e+00],  
[1.1542e-02, 2.2730e-07, 1.7817e-03],  
[1.7032e+02, 2.1817e+00, 4.4315e+00],  
[5.1209e-01, 5.9808e-05, 7.4484e-02],  
[4.7176e+01, 5.4224e-01, 2.9752e+00],  
[1.0475e+01, 2.0297e-02, 6.1415e-01],  
[1.0984e-01, 3.5241e-06, 1.3874e-02],  
[7.2141e+01, 5.2007e-01, 1.6818e+00],  
[3.4448e+02, 3.3714e+00, 5.1894e+00],  
[1.1294e+02, 3.0229e+00, 3.1098e+00],  
[8.8856e+01, 2.5728e+00, 3.3939e+00],  
[6.4813e+01, 1.6589e-01, 1.3532e+00],  
[1.6821e-02, 1.6035e-07, 2.5595e-03],  
[1.1372e+01, 3.4607e-02, 7.4703e-01],  
[1.5172e+02, 4.7494e+00, 3.5070e+00],  
[3.3785e-01, 5.6515e-05, 3.4015e-02],  
[1.2827e+01, 9.5187e-02, 9.1309e-01],  
[8.7290e+01, 2.2947e+00, 3.9151e+00],  
[1.0098e+00, 6.3977e-04, 1.1570e-01],  
[6.4461e-03, 4.1459e-08, 9.8902e-04],  
[2.7585e-01, 3.4829e-05, 2.6802e-02],  
[4.1153e+00, 5.8533e-03, 2.6033e-01],  
[5.9282e+01, 3.3622e-01, 2.4191e+00],  
[4.7769e-01, 3.4282e-05, 4.9577e-02],  
[5.7048e+01, 3.6063e-01, 1.3240e+00],  
[4.2964e-02, 5.5508e-07, 6.6056e-03],  
[8.4078e+01, 1.4352e+00, 3.0038e+00],  
[5.1159e+01, 1.4654e-01, 2.5894e+00],  
[5.1051e+01, 1.6773e-01, 2.2669e+00],  
[9.2106e+01, 9.4030e-02, 3.4843e+00],  
[2.6905e+01, 1.2323e-01, 2.2145e+00],

[1.6422e-01, 1.3308e-05, 2.0131e-02],  
[7.7630e-02, 4.2229e-06, 1.1175e-02],  
[3.4392e+01, 9.5880e-02, 9.9088e-01],  
[2.8750e+00, 4.3836e-04, 1.5619e-01],  
[1.8375e+01, 2.7171e-02, 1.3859e+00],  
[2.1424e+01, 1.0875e-01, 1.9714e+00],  
[9.7351e-01, 5.5768e-05, 9.3459e-02],  
[5.9703e+01, 2.4430e-01, 3.3197e+00],  
[9.0439e+01, 3.2517e-01, 2.0945e+00],  
[6.9698e+00, 1.0808e-02, 3.1961e-01],  
[3.5153e-01, 4.0361e-06, 2.7851e-02],  
[2.0637e-01, 5.7318e-06, 2.7245e-02],  
[7.1573e+01, 5.9864e-02, 2.0794e+00],  
[1.2285e+00, 1.1684e-04, 1.0842e-01],  
[4.7510e+01, 2.3903e-01, 1.5324e+00],  
[2.5863e-02, 5.7346e-07, 3.8760e-03],  
[7.0070e-03, 1.0153e-08, 1.1203e-03],  
[2.5818e+02, 7.7689e-01, 4.9055e+00],  
[1.6322e+00, 1.2005e-03, 1.5441e-01],  
[4.8718e+00, 9.9620e-03, 4.7429e-01],  
[6.2043e-01, 3.0671e-05, 4.6990e-02],  
[6.8352e-01, 3.9716e-05, 4.4571e-02],  
[3.4776e+00, 2.7793e-04, 1.8989e-01],  
[2.7940e+01, 2.1204e-01, 1.1698e+00],  
[6.8600e+01, 1.5697e-01, 3.0360e+00],  
[8.3658e+01, 7.8725e-01, 2.9493e+00],  
[7.7250e+00, 7.5821e-03, 5.0260e-01],  
[3.0408e+00, 2.4772e-03, 2.2753e-01],  
[4.0108e+01, 2.9909e-01, 1.8409e+00],  
[6.2404e-02, 1.6033e-07, 8.6588e-03],  
[1.5428e+01, 1.6099e-02, 8.1854e-01],  
[6.8101e-01, 1.5524e-04, 5.0997e-02],  
[2.0517e+02, 1.1904e+00, 4.3295e+00],  
[3.4391e+00, 1.8346e-03, 2.6401e-01],  
[3.7213e-02, 2.4487e-07, 5.3383e-03],  
[5.9192e+00, 2.1806e-04, 2.5999e-01],  
[1.7154e+01, 2.8908e-02, 1.0717e+00],  
[1.6800e-01, 1.1355e-05, 1.9529e-02],  
[1.6766e-03, 7.8773e-10, 2.7200e-04],  
[3.4254e+01, 3.5165e-01, 1.7925e+00],  
[9.5078e+00, 2.3867e-03, 3.3204e-01],  
[7.8334e-01, 7.1716e-05, 9.9175e-02],  
[3.9313e+00, 1.5551e-03, 3.6272e-01],  
[4.3880e-01, 4.2669e-06, 5.3660e-02],  
[2.4446e-01, 1.5419e-05, 2.6967e-02],  
[1.1087e+01, 2.4793e-02, 6.7287e-01],  
[1.1158e+02, 5.9307e-01, 3.8372e+00],  
[2.6668e-01, 7.6845e-06, 3.4457e-02],



[2.1381e-01, 1.3061e-05, 3.0187e-02],  
[7.4426e-01, 9.8430e-05, 7.5115e-02],  
[2.3241e+01, 2.1044e-01, 1.3973e+00],  
[5.6296e-01, 6.8699e-05, 4.6204e-02],  
[1.1894e+02, 7.6334e-01, 2.3606e+00],  
[1.0418e+01, 1.1101e-02, 3.5497e-01],  
[5.3338e+01, 5.7168e-01, 2.6217e+00],  
[5.2172e+01, 2.7751e-01, 1.9546e+00],  
[1.1486e-02, 1.7951e-07, 1.7805e-03],  
[2.2251e-01, 2.2335e-05, 2.7096e-02],  
[6.3917e+00, 6.2989e-03, 2.9398e-01],  
[8.9597e-03, 5.1291e-08, 1.3592e-03],  
[1.0224e+02, 3.1728e+00, 2.9434e+00],  
[2.3890e+01, 3.7992e-02, 9.7035e-01],  
[1.3114e+01, 1.2584e-02, 4.6345e-01],  
[2.6405e+00, 4.3433e-04, 1.7262e-01],  
[2.7765e+01, 1.4720e-01, 1.0123e+00],  
[6.9435e-01, 1.5936e-04, 6.0391e-02],  
[4.7139e+00, 6.5069e-03, 4.8128e-01],  
[4.8404e+01, 1.4150e-01, 1.6018e+00],  
[3.3530e+01, 1.3493e-01, 2.0983e+00],  
[1.3534e+01, 7.6691e-02, 7.4072e-01],  
[3.7765e+01, 1.4771e-01, 9.8236e-01],  
[1.2985e+00, 9.0297e-04, 1.0562e-01],  
[5.3061e-01, 6.3189e-06, 5.0534e-02],  
[1.2659e+01, 4.0555e-02, 1.2243e+00],  
[6.7023e-01, 8.4750e-05, 7.4109e-02],  
[2.6690e-01, 3.4749e-05, 2.8190e-02],  
[3.8176e+01, 1.7007e-01, 2.4646e+00],  
[1.5566e+00, 8.0933e-04, 1.2940e-01],  
[1.7955e+02, 2.3060e+00, 3.6107e+00],  
[1.0986e+02, 1.8970e+00, 3.9434e+00],  
[5.2593e+01, 9.4136e-01, 2.2752e+00],  
[6.8818e+01, 5.9434e-01, 2.3204e+00],  
[4.2443e+01, 4.1372e-01, 2.8714e+00],  
[6.2987e+00, 1.9996e-02, 3.9984e-01],  
[5.8029e+00, 9.9830e-03, 2.8477e-01],  
[1.8863e+01, 2.4434e-02, 6.6590e-01],  
[1.1586e+00, 5.4003e-05, 1.0100e-01],  
[1.0915e+02, 2.5255e+00, 3.6198e+00],  
[1.1507e+01, 1.9153e-02, 6.9644e-01],  
[6.6315e+01, 4.8295e-01, 1.2094e+00],  
[5.3450e+01, 1.3259e-01, 3.2475e+00],  
[5.4322e+00, 2.4355e-03, 3.3517e-01],  
[7.8839e+00, 1.4293e-02, 4.4896e-01],  
[3.4168e+01, 7.8085e-02, 2.0539e+00],  
[2.4777e+00, 3.1826e-04, 1.6294e-01],  
[1.3771e+00, 2.6028e-04, 9.3956e-02],

[5.2557e+01, 1.9616e-01, 1.9721e+00],  
[1.0847e-01, 1.0070e-06, 1.3034e-02],  
[4.6900e+01, 2.9682e-01, 1.1018e+00],  
[1.4270e+02, 2.2708e+00, 4.1923e+00],  
[1.5333e+02, 3.5460e-01, 3.2740e+00],  
[9.5623e-02, 2.7790e-06, 1.2526e-02],  
[6.4580e+01, 3.8930e-01, 1.7805e+00],  
[1.0656e-01, 8.9848e-06, 1.3886e-02],  
[1.7060e+01, 3.5894e-02, 5.4696e-01],  
[5.4948e+01, 6.9073e-01, 2.0714e+00],  
[2.6412e+00, 7.2796e-04, 1.6063e-01],  
[1.7756e+00, 1.8055e-04, 1.7504e-01],  
[6.9920e+01, 6.1714e-01, 2.5368e+00],  
[8.9744e+01, 2.5331e-01, 2.8240e+00],  
[3.2484e+02, 1.2200e+01, 5.1809e+00],  
[2.1203e+01, 2.1563e-02, 7.2129e-01],  
[1.7107e+01, 2.9201e-02, 1.1629e+00],  
[3.4745e+00, 3.8220e-03, 3.9687e-01],  
[2.1699e-01, 2.0689e-05, 2.2831e-02],  
[6.5020e-01, 1.0824e-04, 5.9739e-02],  
[1.7473e+01, 6.1709e-02, 9.3242e-01],  
[9.1464e-02, 2.2602e-06, 1.1146e-02],  
[1.5340e+02, 4.1233e+00, 4.6825e+00],  
[2.8237e-01, 1.6279e-05, 2.4467e-02],  
[1.1316e+01, 1.0818e-02, 3.5694e-01],  
[1.5063e+00, 4.1488e-05, 1.0577e-01],  
[2.6737e+01, 6.7595e-02, 1.3254e+00],  
[5.3371e+00, 7.1886e-03, 3.6123e-01],  
[7.4821e-01, 8.5219e-05, 5.8556e-02],  
[3.2991e+00, 2.3978e-03, 1.8907e-01],  
[3.8926e+01, 1.6627e-01, 1.4042e+00],  
[3.1516e-01, 3.0328e-05, 3.3131e-02],  
[1.5969e-01, 1.2733e-06, 1.9499e-02],  
[8.5721e+00, 1.8891e-02, 7.4306e-01],  
[1.6045e+00, 8.9277e-05, 1.2939e-01],  
[3.2808e+00, 7.5544e-04, 1.7909e-01],  
[7.2776e+01, 1.2248e+00, 3.0340e+00],  
[6.4188e-01, 9.4120e-05, 7.8667e-02],  
[8.0511e+01, 1.5625e+00, 3.4465e+00],  
[1.1385e+02, 4.2723e-01, 3.5816e+00],  
[5.4817e-01, 3.9844e-04, 7.7765e-02],  
[1.3213e+00, 1.2628e-03, 1.4966e-01],  
[1.7908e+02, 2.7093e+00, 3.7495e+00],  
[1.4161e+00, 1.0006e-04, 7.1544e-02],  
[1.7412e-01, 1.1115e-05, 1.9004e-02],  
[2.8261e+00, 6.4744e-04, 2.8255e-01],  
[7.9144e+01, 5.2116e-01, 2.8563e+00],  
[9.1862e+00, 2.6170e-02, 6.4701e-01],

[6.7723e+01, 4.2234e-01, 2.1394e+00],  
 [1.7826e+00, 7.7416e-04, 2.3198e-01],  
 [2.6542e-01, 1.4876e-05, 3.4348e-02],  
 [2.4254e+01, 1.9421e-02, 7.8618e-01],  
 [9.9587e-03, 2.7582e-08, 1.5272e-03],  
 [8.1215e+00, 2.1328e-02, 4.3598e-01],  
 [1.1733e+00, 3.7143e-05, 1.0777e-01],  
 [2.5753e+01, 5.1435e-02, 6.6666e-01],  
 [1.7988e-01, 4.2989e-06, 1.9978e-02],  
 [1.0884e+01, 1.5381e-02, 8.9619e-01],  
 [8.1274e-03, 1.3117e-08, 1.2383e-03],  
 [3.9538e+01, 5.4884e-02, 2.0920e+00],  
 [1.6948e-02, 1.1580e-07, 2.6342e-03],  
 [4.9340e+01, 3.1912e-01, 1.8519e+00],  
 [7.4234e+01, 4.0753e-01, 2.4351e+00],  
 [4.7559e+00, 3.7314e-04, 3.6383e-01],  
 [1.0221e+02, 8.4367e-01, 2.9885e+00],  
 [1.2701e+01, 4.0287e-02, 1.0473e+00],  
 [9.2301e-02, 2.6035e-06, 1.1877e-02],  
 [7.7641e+00, 1.8298e-02, 3.4995e-01],  
 [1.9974e+01, 8.3990e-03, 8.7748e-01],  
 [3.4700e+01, 2.1475e-01, 1.1727e+00],  
 [4.3118e-02, 6.8244e-07, 5.8723e-03],  
 [5.3354e+01, 3.2650e-01, 1.1467e+00],  
 [2.3933e+01, 7.5246e-02, 8.4269e-01],  
 [2.7380e-01, 1.3880e-05, 2.9239e-02],  
 [8.5510e-02, 1.5838e-06, 1.2289e-02],  
 [4.6685e+00, 5.5197e-03, 2.7192e-01],  
 [4.6885e+01, 2.6997e-01, 1.5866e+00],  
 [4.2360e-02, 1.0218e-06, 5.6241e-03],  
 [2.7732e-01, 1.8908e-05, 2.5579e-02],  
 [1.5176e+01, 5.7562e-03, 4.1893e-01],  
 [9.0294e+01, 1.0872e+00, 3.4313e+00],  
 [1.4573e+02, 2.6514e+00, 3.7180e+00],  
 [4.3279e-02, 5.3791e-07, 5.9105e-03],  
 [1.6236e-01, 1.9183e-05, 2.1173e-02],  
 [2.4184e+01, 1.9212e-01, 1.2889e+00],  
 [1.2218e+01, 5.4797e-02, 8.0142e-01],  
 [3.0006e+00, 1.9899e-03, 1.7915e-01],  
 [1.2651e+02, 2.0314e+00, 2.7118e+00],  
 [7.3198e+00, 5.3753e-03, 4.7037e-01],  
 [5.3176e+00, 1.0553e-02, 3.1814e-01],  
 [2.9029e+01, 1.8633e-01, 1.7064e+00],  
 [1.0473e+01, 1.3592e-02, 3.3860e-01],  
 [2.4904e+02, 8.3016e+00, 4.9895e+00],  
 [1.7352e-02, 1.2918e-07, 2.6271e-03],  
 [1.8523e-01, 2.4765e-06, 2.3659e-02],  
 [1.0422e+01, 5.6917e-03, 5.9498e-01],

```

[2.8247e+01, 1.1217e-01, 2.1106e+00],
[5.7254e+00, 1.4195e-02, 3.8663e-01],
[9.1747e-01, 1.1336e-04, 1.0707e-01],
[1.0784e+00, 1.1752e-04, 1.1791e-01],
[5.5175e-01, 7.9619e-05, 5.0296e-02],
[4.9251e+01, 5.5776e-02, 2.4088e+00],
[1.3032e+01, 1.2003e-02, 6.4542e-01],
[3.9501e+00, 1.7511e-03, 4.5439e-01],
[1.0007e+02, 1.3794e+00, 2.5359e+00],
[3.7616e+00, 5.3217e-03, 2.6312e-01],
[2.3530e+01, 8.7134e-02, 1.1225e+00],
[1.1706e+02, 1.0488e+00, 2.0848e+00]], dtype=torch.float64)
Iteration: 230
Inputs: tensor([[1.6340e+18, 3.1763e+02, 2.9117e+00, 2.4720e+00],
[1.7890e+19, 9.8658e+01, 2.1571e+00, 1.7078e+00],
[3.8527e+19, 4.8978e+02, 1.5374e+01, 4.4490e+00],
...,
[2.5046e+19, 4.9092e+01, 1.2566e+01, 1.0202e+00],
[5.5094e+18, 3.7751e+02, 1.4467e+01, 3.7475e+00],
[2.5407e+19, 3.9832e+02, 7.8114e+00, 9.0528e+00]], dtype=torch.float64)
Target: tensor([[3.2064e-01, 3.5050e-06, 3.0394e-02],
[1.8839e+00, 7.9131e-05, 1.8225e-01],
[1.6003e+01, 3.5392e-02, 7.0007e-01],
[6.9408e+00, 4.3474e-03, 3.4381e-01],
[1.5249e+00, 3.8895e-04, 9.5754e-02],
[4.8912e+01, 2.3514e-01, 2.3828e+00],
[1.5560e+01, 3.0839e-02, 5.6309e-01],
[1.9820e+00, 1.3644e-03, 2.0025e-01],
[6.6689e-01, 6.9845e-05, 7.7526e-02],
[2.0550e+01, 5.1700e-02, 1.1257e+00],
[1.6714e-01, 3.3994e-06, 2.3455e-02],
[5.6204e-02, 4.5151e-07, 7.9182e-03],
[5.8799e+01, 7.5681e-01, 1.6529e+00],
[3.0349e+01, 2.3034e-01, 1.2444e+00],
[4.0306e+01, 1.1938e-01, 1.2278e+00],
[3.4687e+00, 3.5178e-03, 2.2955e-01],
[8.1937e+00, 2.0500e-02, 7.8157e-01],
[6.6554e+00, 3.2277e-03, 5.0625e-01],
[5.3472e-03, 1.1902e-08, 8.6160e-04],
[6.1399e-02, 5.4993e-07, 9.3173e-03],
[9.4151e+01, 1.7809e+00, 2.3125e+00],
[1.4141e+01, 1.3329e-02, 6.2771e-01],
[5.8266e+01, 1.9412e-01, 2.1501e+00],
[5.7271e+01, 6.0648e-01, 1.6043e+00],
[1.9066e-01, 3.8681e-05, 2.7268e-02],
[1.0083e+01, 3.7866e-02, 5.0455e-01],
[7.2746e+00, 2.2515e-03, 6.3772e-01],
[2.7841e+00, 3.3294e-03, 2.8003e-01],

```

[7.9120e+00, 1.2560e-02, 4.0188e-01],  
[1.0500e+02, 1.5321e+00, 2.6281e+00],  
[1.2149e-01, 2.2691e-06, 1.4279e-02],  
[1.1474e+00, 1.6994e-04, 1.0598e-01],  
[1.5974e+01, 1.5052e-01, 1.1619e+00],  
[1.6448e+01, 1.9478e-02, 1.2330e+00],  
[2.4635e+00, 1.3534e-03, 1.7903e-01],  
[1.8496e+02, 1.9955e+00, 4.0837e+00],  
[4.3824e-01, 1.2173e-04, 6.1442e-02],  
[1.2264e+02, 1.6057e+00, 2.4448e+00],  
[4.1442e+01, 3.0682e-01, 1.8325e+00],  
[4.3813e+00, 1.7675e-03, 1.9308e-01],  
[4.3616e+00, 4.0864e-03, 4.7327e-01],  
[2.9410e+00, 1.0378e-03, 2.5592e-01],  
[8.3457e+00, 1.5482e-02, 7.8970e-01],  
[6.6524e-01, 3.8652e-04, 7.7552e-02],  
[9.3877e+00, 4.8746e-02, 5.7077e-01],  
[8.9668e-01, 3.1702e-04, 8.4872e-02],  
[7.8210e-01, 1.5820e-04, 9.7157e-02],  
[1.1483e+01, 3.5142e-02, 5.2777e-01],  
[6.4568e+01, 1.0894e+00, 1.5675e+00],  
[1.9474e+01, 1.3782e-02, 1.1801e+00],  
[1.8301e+02, 4.3777e+00, 4.0882e+00],  
[1.1446e+02, 1.9601e+00, 2.3561e+00],  
[2.6647e+01, 3.6567e-01, 1.2896e+00],  
[1.3310e+02, 2.2712e-01, 2.4679e+00],  
[5.5277e+01, 2.1368e-01, 1.7100e+00],  
[1.4720e+02, 1.3098e+00, 4.4318e+00],  
[3.7808e-02, 5.2639e-07, 5.1839e-03],  
[1.1565e+00, 5.1390e-04, 9.6299e-02],  
[3.3468e+01, 1.9244e-01, 1.3692e+00],  
[4.8933e+01, 5.0863e-02, 1.5775e+00],  
[3.7823e+01, 3.7380e-01, 1.1384e+00],  
[9.5511e+01, 1.0133e+00, 3.3329e+00],  
[3.5146e+01, 4.9596e-02, 1.1326e+00],  
[8.5344e+01, 1.0092e+00, 1.5574e+00],  
[1.4358e+00, 3.1204e-04, 1.6028e-01],  
[1.5841e+01, 2.0714e-02, 5.0132e-01],  
[4.9339e+00, 8.9313e-03, 2.9714e-01],  
[2.5404e-03, 1.0017e-08, 4.0790e-04],  
[2.5906e+02, 1.9548e+00, 4.6477e+00],  
[1.6332e+02, 5.8648e-01, 3.8108e+00],  
[1.0867e-01, 1.8700e-06, 1.4051e-02],  
[1.5655e+01, 1.1684e-02, 5.1396e-01],  
[5.5772e-02, 8.4393e-07, 7.0710e-03],  
[1.0289e+00, 2.5731e-05, 1.0309e-01],  
[5.4103e+01, 1.0444e-01, 2.0353e+00],  
[9.5886e+01, 1.2545e+00, 2.9418e+00],

[2.7982e-01, 6.0688e-05, 2.8902e-02],  
 [3.1253e+00, 3.1064e-03, 1.8640e-01],  
 [1.4873e+01, 8.5387e-03, 6.2373e-01],  
 [1.3220e+01, 3.5422e-02, 7.0532e-01],  
 [7.3987e+01, 3.0637e-01, 3.5087e+00],  
 [1.7240e+01, 1.7369e-01, 1.6789e+00],  
 [1.8292e+01, 6.4555e-02, 9.1795e-01],  
 [6.1349e-02, 2.1370e-06, 8.8775e-03],  
 [1.1229e+02, 1.3354e+00, 3.0570e+00],  
 [1.0670e+00, 2.5661e-04, 9.1516e-02],  
 [5.0029e+00, 2.1678e-03, 4.5041e-01],  
 [6.6416e-02, 3.4707e-06, 8.1876e-03],  
 [2.3102e+01, 4.7776e-02, 1.7610e+00],  
 [3.0411e+00, 1.9954e-03, 2.3135e-01],  
 [4.8214e+00, 9.8850e-03, 3.2300e-01],  
 [4.3348e+01, 3.8734e-01, 2.2867e+00],  
 [1.8582e+01, 5.3809e-02, 6.6182e-01],  
 [5.6160e+01, 4.5793e-01, 2.7356e+00],  
 [1.4469e+01, 5.3587e-02, 5.8487e-01],  
 [1.2230e+01, 2.3660e-02, 5.5622e-01],  
 [1.5871e+02, 6.1421e+00, 3.9301e+00],  
 [2.4301e+00, 6.3090e-04, 1.4377e-01],  
 [3.8150e+00, 4.5204e-03, 2.7494e-01],  
 [4.3739e+01, 1.9664e-01, 1.6114e+00],  
 [1.4478e+01, 9.5801e-02, 7.7737e-01],  
 [9.6313e-01, 6.4199e-04, 9.3126e-02],  
 [1.6445e-01, 1.2730e-05, 2.4409e-02],  
 [1.0199e+00, 4.2488e-04, 1.2389e-01],  
 [1.4822e+00, 1.0701e-03, 1.4619e-01],  
 [5.7630e+01, 2.7125e-01, 1.4645e+00],  
 [7.8041e-01, 2.3272e-04, 6.1756e-02],  
 [1.7171e+02, 3.0799e+00, 3.0481e+00],  
 [1.0539e+01, 5.8453e-03, 5.0214e-01],  
 [5.5333e+01, 7.9068e-01, 1.6770e+00],  
 [2.9827e+01, 6.4822e-02, 1.3640e+00],  
 [3.3423e+01, 1.3841e-01, 8.6213e-01],  
 [6.0213e+01, 2.8797e-01, 2.1390e+00],  
 [2.9476e+01, 3.0506e-01, 1.2606e+00],  
 [1.1446e+01, 1.3305e-02, 7.9354e-01],  
 [6.4101e+00, 1.6861e-02, 5.2827e-01],  
 [3.4316e+01, 3.0525e-01, 1.0185e+00],  
 [1.3613e+01, 3.9240e-02, 8.1839e-01],  
 [1.6221e+01, 3.7568e-02, 8.0887e-01],  
 [1.7779e+00, 8.2263e-04, 1.2856e-01],  
 [7.7100e-01, 3.7309e-05, 4.9388e-02],  
 [1.7490e+00, 1.3662e-03, 2.0054e-01],  
 [5.1557e+00, 1.0332e-02, 4.3396e-01],  
 [7.1836e+01, 3.4819e-01, 3.0775e+00],

[9.4931e+00, 5.1335e-03, 3.7021e-01],  
 [2.5440e+00, 1.6241e-03, 2.2933e-01],  
 [5.8008e+01, 1.8261e-01, 1.4040e+00],  
 [7.5388e+00, 1.0043e-03, 5.0227e-01],  
 [1.0764e+00, 1.0063e-04, 8.1313e-02],  
 [1.5346e+00, 1.4842e-03, 1.8156e-01],  
 [2.8256e-01, 1.4059e-05, 2.7049e-02],  
 [1.0045e+02, 2.1995e+00, 2.6648e+00],  
 [2.3076e+02, 2.2746e+00, 3.7535e+00],  
 [3.0270e+00, 2.2573e-03, 2.0781e-01],  
 [7.5905e+00, 1.7842e-02, 4.2995e-01],  
 [1.1827e+02, 1.4134e+00, 2.9551e+00],  
 [1.8646e+00, 3.0100e-04, 1.2755e-01],  
 [2.9907e+02, 4.7857e+00, 4.9700e+00],  
 [8.1103e-01, 1.3915e-04, 6.2209e-02],  
 [4.7425e+01, 1.8801e-01, 1.7034e+00],  
 [6.8059e-01, 9.4494e-05, 9.0512e-02],  
 [2.2134e-03, 1.6755e-09, 3.5378e-04],  
 [1.8948e+02, 1.5891e+00, 4.8073e+00],  
 [8.2879e+00, 5.6441e-03, 6.9444e-01],  
 [1.0556e+01, 7.2718e-02, 8.7730e-01],  
 [4.9187e+00, 1.0848e-02, 5.3645e-01],  
 [5.2085e-03, 3.5542e-08, 8.3168e-04],  
 [3.4515e+01, 4.8624e-02, 1.5246e+00],  
 [3.7091e+00, 1.6769e-03, 2.0697e-01],  
 [4.2380e-01, 7.0259e-05, 5.5131e-02],  
 [8.0263e-01, 7.2886e-05, 9.9830e-02],  
 [3.9475e+00, 3.2854e-03, 2.9512e-01],  
 [1.8675e+02, 8.7941e+00, 4.5378e+00],  
 [2.5210e-01, 3.9036e-05, 3.0903e-02],  
 [1.2861e-01, 5.2207e-06, 1.4919e-02],  
 [5.9131e+00, 6.7146e-03, 5.2624e-01],  
 [1.0410e+01, 3.5396e-02, 4.5375e-01],  
 [1.3230e+02, 2.3627e+00, 3.8672e+00],  
 [3.1971e+01, 8.7045e-02, 1.6819e+00],  
 [4.1589e+00, 3.8526e-03, 5.0280e-01],  
 [6.8467e-01, 2.7051e-04, 6.0142e-02],  
 [4.9777e+00, 1.3223e-03, 5.0556e-01],  
 [4.4485e+01, 4.3959e-02, 1.3837e+00],  
 [9.1680e+00, 4.4695e-02, 6.0861e-01],  
 [7.7641e-01, 1.5905e-04, 5.7306e-02],  
 [5.1810e-01, 6.2602e-05, 4.6532e-02],  
 [5.8281e+01, 2.1081e-01, 2.1499e+00],  
 [4.0473e+01, 2.4984e-01, 1.2784e+00],  
 [3.0545e+01, 2.7048e-01, 1.0803e+00],  
 [7.5276e+01, 1.2349e-01, 2.1070e+00],  
 [5.5329e+01, 5.9464e-01, 2.6359e+00],  
 [5.5049e+00, 2.7698e-03, 4.9256e-01],

[1.0802e+02, 1.7807e-01, 2.4490e+00],  
[1.1136e+01, 1.4280e-02, 3.6317e-01],  
[4.6780e-01, 8.8379e-05, 5.2045e-02],  
[3.5982e+01, 1.9666e-01, 9.9040e-01],  
[4.1304e+00, 1.7908e-03, 2.4420e-01],  
[9.2162e+01, 1.2481e-01, 2.8691e+00],  
[2.4867e-01, 9.0303e-06, 3.4583e-02],  
[1.4772e+02, 3.5406e+00, 3.7468e+00],  
[2.4141e+02, 6.8347e+00, 5.0577e+00],  
[4.3155e-01, 7.3969e-05, 4.0249e-02],  
[2.0071e-01, 7.6199e-06, 2.8258e-02],  
[8.2883e+01, 9.8592e-01, 3.4006e+00],  
[2.2928e-02, 1.5796e-07, 3.3576e-03],  
[2.3060e+01, 3.7667e-02, 8.7943e-01],  
[3.7437e+00, 3.4743e-03, 3.7613e-01],  
[4.8874e+01, 3.8126e-01, 1.1543e+00],  
[2.7961e+00, 1.5288e-03, 2.3621e-01],  
[5.6122e-02, 2.5648e-07, 7.7493e-03],  
[3.4356e+00, 9.0287e-04, 1.6983e-01],  
[3.7859e+00, 3.0300e-04, 3.9671e-01],  
[1.1885e+02, 1.3242e+00, 2.2178e+00],  
[5.3233e-01, 4.0876e-05, 5.9611e-02],  
[5.6000e+01, 4.3192e-01, 1.7282e+00],  
[7.5512e+00, 1.1403e-02, 4.8927e-01],  
[2.8304e+01, 1.8528e-02, 8.8757e-01],  
[3.3152e+01, 3.8132e-02, 8.4872e-01],  
[1.2731e-01, 4.9395e-06, 1.3920e-02],  
[2.5379e-01, 4.3622e-05, 3.0030e-02],  
[3.4741e+01, 1.1645e-01, 1.2039e+00],  
[5.7763e+01, 1.6526e-01, 1.4689e+00],  
[8.8126e-01, 5.4117e-04, 1.2952e-01],  
[4.3576e-01, 9.5377e-05, 4.0391e-02],  
[2.4072e+01, 4.5582e-02, 8.0047e-01],  
[1.5222e+02, 3.2067e+00, 3.8898e+00],  
[3.8289e+01, 2.8587e-01, 2.0749e+00],  
[2.4980e+00, 2.6445e-04, 2.2713e-01],  
[6.8219e+01, 7.6771e-01, 3.3778e+00],  
[3.0639e+00, 4.1748e-04, 2.1730e-01],  
[2.1029e+02, 3.1954e+00, 3.7971e+00],  
[1.4280e+01, 6.3338e-02, 1.2261e+00],  
[1.8870e-01, 2.8376e-05, 2.4515e-02],  
[1.1707e+02, 1.7941e+00, 3.9922e+00],  
[2.2348e+00, 2.1393e-04, 1.4060e-01],  
[1.0138e+01, 2.4622e-02, 4.6829e-01],  
[1.0493e+02, 1.0433e+00, 4.3730e+00],  
[8.1749e+00, 2.3329e-02, 3.8756e-01],  
[4.2931e+00, 2.2370e-03, 4.8594e-01],  
[9.8795e-02, 8.9900e-07, 1.2339e-02],



[1.3689e+02, 1.2785e+00, 3.3866e+00],  
[1.2046e+00, 5.1888e-04, 8.3570e-02],  
[1.5701e+01, 7.4524e-02, 1.3326e+00],  
[1.0973e-01, 4.0103e-06, 1.5830e-02],  
[8.3462e+01, 5.4013e-01, 1.5478e+00],  
[5.9605e+01, 9.3107e-01, 1.8402e+00],  
[5.7545e+01, 1.4427e-01, 1.6209e+00],  
[2.5987e-01, 1.2634e-05, 2.5066e-02],  
[4.3239e+00, 5.4331e-03, 2.3830e-01],  
[1.2434e+00, 1.4492e-04, 1.3674e-01],  
[3.7033e+00, 3.1769e-03, 2.4312e-01],  
[1.2347e+02, 2.3349e+00, 3.5139e+00],  
[1.1639e+02, 7.8164e-01, 3.6223e+00],  
[1.9724e+01, 8.0173e-02, 8.6880e-01],  
[7.3739e+01, 8.1715e-02, 3.6010e+00],  
[8.9149e-02, 5.8622e-06, 1.2473e-02],  
[1.7311e+00, 5.4205e-04, 1.2011e-01],  
[1.3935e+00, 1.4814e-05, 7.6675e-02],  
[1.1381e+01, 8.8986e-03, 5.4080e-01],  
[8.2904e-02, 3.2456e-06, 1.1729e-02],  
[5.0353e+01, 2.6435e-01, 1.4973e+00],  
[3.6549e+01, 1.0821e-01, 1.6139e+00],  
[4.6912e+01, 1.2231e-01, 1.5646e+00],  
[5.1049e-02, 5.0755e-07, 6.5803e-03],  
[1.7423e+01, 1.1415e-01, 1.1334e+00],  
[8.1431e+01, 4.6658e-01, 3.8013e+00],  
[1.7216e+00, 2.1018e-03, 1.6913e-01],  
[2.5760e+01, 7.7804e-02, 8.7278e-01],  
[1.1708e+00, 3.1385e-04, 1.0760e-01],  
[1.5492e+01, 2.3483e-02, 8.2085e-01],  
[5.4913e+00, 7.1517e-03, 3.9804e-01],  
[3.1635e+00, 7.7934e-04, 3.0475e-01],  
[3.1135e+01, 2.6073e-01, 1.1373e+00],  
[2.5666e-01, 4.8229e-05, 3.3109e-02],  
[9.7610e+00, 1.3584e-02, 8.2322e-01],  
[1.5614e+01, 1.3628e-02, 5.9194e-01],  
[9.3912e-03, 4.7943e-08, 1.4367e-03],  
[3.2280e+02, 1.7965e+00, 4.5798e+00],  
[1.1135e+02, 2.0894e+00, 4.0794e+00],  
[1.0843e+00, 2.8090e-04, 1.0429e-01],  
[3.0277e+01, 1.2740e-02, 1.6850e+00],  
[1.9686e+01, 1.0251e-01, 8.7890e-01],  
[1.9925e-01, 3.6945e-06, 2.0209e-02],  
[8.3406e+00, 1.6396e-02, 6.2028e-01],  
[5.6497e+01, 8.1337e-01, 1.5091e+00],  
[4.1754e-01, 9.8774e-05, 4.1984e-02],  
[5.4352e+01, 7.8333e-01, 2.6515e+00],  
[1.8010e-02, 4.1309e-08, 2.7690e-03],

[4.5291e+01, 2.0341e-01, 1.0885e+00],  
[2.2749e+01, 3.3236e-02, 1.5239e+00],  
[1.3738e-01, 1.3772e-05, 1.5750e-02],  
[6.0859e-02, 3.9325e-07, 8.0416e-03],  
[1.3970e-01, 9.5020e-06, 1.6225e-02],  
[8.3963e-01, 4.2288e-04, 9.7058e-02],  
[3.6954e+01, 3.8280e-01, 1.2352e+00],  
[5.1122e+01, 3.6051e-01, 2.7313e+00],  
[1.7809e+00, 2.3350e-03, 1.7387e-01],  
[1.3604e+02, 1.6671e+00, 2.4438e+00],  
[4.2368e+01, 6.9339e-01, 1.7953e+00],  
[7.1651e+01, 7.0129e-01, 1.4185e+00],  
[7.5148e-01, 2.1758e-04, 7.1976e-02],  
[1.2899e+01, 4.0130e-03, 8.2617e-01],  
[6.0625e+00, 4.6161e-03, 2.8572e-01],  
[1.2036e+02, 2.4612e+00, 4.3621e+00],  
[1.8445e+01, 3.3041e-02, 7.7840e-01],  
[1.2613e+00, 6.8355e-04, 1.0236e-01],  
[6.0303e-02, 4.5423e-07, 7.6242e-03],  
[4.0714e+00, 2.8829e-03, 2.8443e-01],  
[3.8714e+01, 4.2062e-02, 2.2932e+00],  
[1.1289e+02, 1.4851e+00, 3.4020e+00],  
[1.4742e+01, 1.0765e-01, 8.5047e-01],  
[3.3848e+01, 2.0281e-02, 1.6260e+00],  
[1.3515e-01, 4.7744e-06, 1.7735e-02],  
[9.8734e-02, 7.0750e-07, 1.3035e-02],  
[3.1356e+01, 1.7032e-01, 1.6944e+00],  
[3.8736e+01, 2.1311e-01, 1.0647e+00],  
[1.9406e+02, 1.0708e+00, 3.0973e+00],  
[7.5195e+01, 6.6560e-01, 1.7996e+00],  
[1.1426e+00, 4.3030e-05, 1.0033e-01],  
[5.5174e+00, 3.6946e-03, 4.8852e-01],  
[1.0212e+01, 2.0201e-02, 5.6406e-01],  
[1.1094e+01, 1.8134e-02, 7.7955e-01],  
[3.6611e+01, 1.2651e-01, 7.7689e-01],  
[3.1332e+00, 3.2147e-04, 1.8961e-01],  
[2.8649e+01, 6.3462e-02, 1.2030e+00],  
[2.8847e+00, 2.8151e-03, 3.7499e-01],  
[8.7112e-02, 2.5590e-06, 1.1789e-02],  
[4.9672e+01, 1.6802e-01, 1.3543e+00],  
[9.0903e-04, 1.7147e-10, 1.4923e-04],  
[2.0911e+00, 1.7604e-03, 1.8999e-01],  
[3.4493e+01, 1.9701e-01, 1.0075e+00],  
[7.3512e-03, 2.4600e-08, 1.1504e-03],  
[5.6257e-01, 1.3038e-04, 6.9408e-02],  
[8.5301e+01, 1.0518e-01, 2.8591e+00],  
[4.4118e-01, 1.0436e-04, 4.9538e-02],  
[6.7230e+00, 7.2979e-03, 3.4700e-01],

```

[8.2910e+00, 1.5983e-02, 4.4935e-01],
[3.3913e-02, 1.5859e-07, 5.3333e-03],
[8.0043e-01, 1.2163e-04, 7.7844e-02],
[1.7375e+01, 5.5770e-02, 5.8895e-01]], dtype=torch.float64)
Iteration: 231
Inputs: tensor([[1.6444e+19, 2.0440e+02, 1.1093e+01, 4.5853e+00],
[2.3290e+20, 3.5131e+01, 9.4571e+00, 4.2267e+00],
[1.1280e+20, 1.5677e+02, 5.6475e+00, 2.1962e+00],
...,
[6.9457e+20, 4.1742e+02, 3.2888e+00, 3.0291e+00],
[1.1050e+20, 3.7070e+02, 2.1430e+00, 9.8075e+00],
[6.9820e+18, 2.7499e+02, 1.6603e+01, 4.5440e+00]], dtype=torch.float64)
Target: tensor([[2.7046e+00, 1.3911e-03, 2.2717e-01],
[4.2299e+00, 5.7182e-03, 4.8842e-01],
[1.7159e+01, 1.1651e-02, 1.0627e+00],
[6.5164e+00, 8.2404e-03, 5.5045e-01],
[8.6541e+01, 3.6430e-01, 3.4541e+00],
[1.0073e+02, 7.2728e-01, 2.8404e+00],
[9.0384e+00, 8.6351e-03, 3.8470e-01],
[1.0971e+02, 1.3454e+00, 2.5783e+00],
[7.2130e+01, 6.1959e-01, 2.5520e+00],
[3.7182e+01, 4.7311e-02, 9.9223e-01],
[6.1535e+01, 2.2310e-01, 1.7356e+00],
[2.3523e-01, 2.3017e-05, 2.7126e-02],
[2.2977e+02, 1.0301e+01, 4.6203e+00],
[3.0428e+01, 1.7212e-01, 1.1496e+00],
[1.0402e+01, 1.0105e-02, 3.8327e-01],
[3.5737e+01, 6.4206e-02, 1.1903e+00],
[4.0761e-04, 6.0486e-11, 6.6615e-05],
[3.2341e+00, 1.8437e-03, 3.1425e-01],
[1.3187e-01, 1.3774e-06, 1.9296e-02],
[2.0243e+02, 1.0332e+01, 4.7164e+00],
[7.0626e+01, 7.9758e-01, 2.1811e+00],
[3.7238e+01, 1.5885e-01, 1.9474e+00],
[5.1331e-01, 5.1120e-05, 3.3738e-02],
[5.5609e+01, 6.0091e-01, 1.2268e+00],
[7.2318e+01, 9.7741e-01, 1.8710e+00],
[8.5433e-02, 3.0026e-06, 1.1875e-02],
[2.2378e-01, 9.0169e-06, 2.3048e-02],
[8.5801e+01, 8.4020e-01, 2.0108e+00],
[1.1111e-01, 3.3442e-06, 1.4422e-02],
[4.3278e+01, 2.7469e-01, 1.2390e+00],
[4.8711e-02, 9.1465e-07, 6.9250e-03],
[6.5801e+01, 7.4644e-01, 1.9428e+00],
[1.5280e+01, 4.6164e-02, 6.2997e-01],
[1.9869e+01, 8.6768e-02, 1.1981e+00],
[7.6635e-01, 1.1542e-04, 8.1919e-02],
[4.2059e+01, 3.1539e-01, 1.8940e+00],

```

[1.5969e-01, 1.7092e-05, 1.7655e-02],  
[5.5046e-01, 2.3286e-04, 7.2798e-02],  
[1.2426e+01, 2.0611e-02, 7.3067e-01],  
[9.0302e+01, 1.2278e+00, 3.7207e+00],  
[1.9642e+01, 3.5995e-02, 6.4666e-01],  
[1.1819e-02, 1.1507e-07, 1.7592e-03],  
[9.5310e-02, 1.2104e-05, 1.3833e-02],  
[9.1027e-02, 1.3426e-06, 1.0980e-02],  
[4.0731e-01, 9.2194e-06, 3.4725e-02],  
[9.9931e+01, 1.3464e+00, 2.9286e+00],  
[1.2671e+00, 3.2013e-04, 1.3270e-01],  
[2.3914e-02, 5.5088e-07, 3.4500e-03],  
[4.7192e+00, 2.0631e-03, 2.9292e-01],  
[8.1205e+00, 1.4331e-02, 4.7843e-01],  
[7.8134e+01, 4.6684e-01, 1.5791e+00],  
[4.1265e+01, 1.8249e-01, 1.2109e+00],  
[3.0758e-02, 8.5662e-07, 4.5541e-03],  
[8.6148e-01, 2.7092e-05, 7.2418e-02],  
[7.5604e+01, 6.7021e-01, 2.6524e+00],  
[9.6093e+01, 7.6398e-01, 3.2081e+00],  
[4.4866e+00, 1.0064e-03, 2.2034e-01],  
[4.4926e+01, 6.2495e-01, 2.0479e+00],  
[1.7474e+02, 6.1965e+00, 4.4638e+00],  
[3.9432e+01, 9.2568e-02, 1.6907e+00],  
[1.8873e+00, 2.6079e-03, 2.6436e-01],  
[6.7522e+01, 9.7789e-01, 2.6355e+00],  
[1.8568e+01, 1.2291e-01, 9.5009e-01],  
[5.1441e+01, 5.9569e-01, 1.6283e+00],  
[1.0103e+01, 1.8120e-02, 7.2856e-01],  
[3.2391e+01, 2.7923e-01, 1.3935e+00],  
[2.4401e-01, 1.7837e-05, 2.6327e-02],  
[1.0584e+01, 1.3115e-02, 1.0174e+00],  
[6.8949e+01, 4.7429e-01, 2.4631e+00],  
[2.6591e+01, 1.6826e-01, 1.4193e+00],  
[9.3057e+01, 7.1778e-01, 3.5031e+00],  
[1.0227e+01, 1.2867e-02, 6.0498e-01],  
[3.6579e+01, 4.9640e-01, 1.1926e+00],  
[1.6578e+02, 1.5986e+00, 4.6584e+00],  
[1.0484e+02, 3.7528e+00, 3.2871e+00],  
[2.5381e-01, 1.6088e-05, 2.9857e-02],  
[2.3658e+01, 6.0141e-02, 1.5210e+00],  
[5.2379e+00, 1.3868e-02, 4.3462e-01],  
[3.1717e-02, 1.3843e-06, 4.4075e-03],  
[1.1682e+00, 1.8692e-04, 1.0705e-01],  
[3.4413e-03, 1.1729e-09, 5.4031e-04],  
[2.3141e-02, 7.2514e-07, 3.4625e-03],  
[5.1673e-01, 1.4061e-04, 7.1985e-02],  
[1.1763e+00, 8.1263e-05, 9.1307e-02],

[1.2978e+02, 2.2264e+00, 3.5969e+00],  
 [6.2579e+00, 1.1904e-03, 4.5526e-01],  
 [1.2744e+02, 1.6797e-01, 3.4891e+00],  
 [2.6484e+01, 5.7626e-02, 8.4604e-01],  
 [1.2232e+02, 2.3009e+00, 2.5245e+00],  
 [4.8696e+01, 1.2978e-01, 2.2165e+00],  
 [1.7921e+01, 4.0094e-02, 1.6569e+00],  
 [8.8299e+01, 8.1741e-01, 3.2321e+00],  
 [2.1196e-02, 1.3364e-07, 3.0757e-03],  
 [6.3057e-03, 5.4888e-08, 9.9093e-04],  
 [6.2906e+01, 9.3685e-01, 1.8718e+00],  
 [3.3589e+00, 2.0074e-03, 2.9734e-01],  
 [1.0186e-02, 4.3780e-08, 1.5694e-03],  
 [2.4294e-01, 8.0925e-06, 2.4800e-02],  
 [2.9774e+01, 7.6021e-02, 1.1472e+00],  
 [8.0158e+00, 4.5845e-02, 6.3007e-01],  
 [5.3739e+00, 1.2540e-02, 3.7069e-01],  
 [1.7950e+00, 3.1464e-04, 1.4940e-01],  
 [7.1871e+00, 4.2828e-03, 2.5766e-01],  
 [2.1104e+01, 9.4933e-02, 6.7081e-01],  
 [1.4304e+01, 3.9352e-02, 8.0483e-01],  
 [1.1145e+01, 5.2421e-03, 4.7133e-01],  
 [1.0270e-02, 8.3144e-09, 1.5945e-03],  
 [1.0751e+00, 1.0314e-04, 7.6564e-02],  
 [6.3744e-02, 1.0618e-06, 8.0984e-03],  
 [8.8637e+01, 2.6832e-01, 1.7698e+00],  
 [1.1120e+01, 1.3676e-02, 7.4252e-01],  
 [1.6010e+02, 2.2237e+00, 4.0613e+00],  
 [1.2921e+01, 6.8105e-02, 7.7418e-01],  
 [4.1591e+00, 4.9448e-03, 2.4266e-01],  
 [2.5172e+01, 8.3344e-02, 1.0353e+00],  
 [1.3210e+00, 8.3253e-05, 9.7435e-02],  
 [1.2437e+02, 8.5492e-02, 3.1978e+00],  
 [1.1711e+02, 3.4540e+00, 3.1578e+00],  
 [1.1357e-01, 5.9827e-06, 1.4553e-02],  
 [1.0893e+02, 1.2297e+00, 2.6262e+00],  
 [9.4040e-02, 8.2886e-07, 1.1307e-02],  
 [2.1957e+01, 5.6561e-02, 7.8077e-01],  
 [1.2456e+00, 5.9927e-04, 9.7935e-02],  
 [6.1674e+00, 4.0040e-03, 4.8113e-01],  
 [4.8361e+01, 1.2761e-01, 2.7936e+00],  
 [9.4231e+01, 2.1838e+00, 2.6513e+00],  
 [1.9370e+02, 7.5749e-01, 3.9440e+00],  
 [3.8149e-01, 9.9250e-05, 4.6323e-02],  
 [6.0449e+01, 5.4276e-01, 1.3854e+00],  
 [5.9698e+01, 3.0975e-02, 2.5131e+00],  
 [1.2822e+01, 2.9569e-02, 5.3699e-01],  
 [1.8947e-02, 1.3346e-07, 2.7612e-03],

[1.8237e-02, 1.6930e-07, 2.7120e-03],  
 [7.9846e+01, 9.5523e-01, 2.6933e+00],  
 [3.7285e+00, 4.8299e-04, 2.7103e-01],  
 [5.8937e-02, 1.4167e-06, 7.4561e-03],  
 [6.2458e+01, 9.2060e-01, 2.3709e+00],  
 [1.0045e+02, 1.9999e+00, 2.7788e+00],  
 [6.3164e+01, 1.7133e-01, 2.6266e+00],  
 [1.4000e+01, 3.3642e-02, 5.7612e-01],  
 [2.7282e-01, 1.5472e-05, 3.6634e-02],  
 [1.5813e-02, 1.7730e-08, 2.2950e-03],  
 [5.7589e+00, 6.7277e-03, 3.1532e-01],  
 [1.2687e+01, 4.2003e-02, 1.2136e+00],  
 [1.1073e+01, 2.0603e-02, 5.3279e-01],  
 [1.0374e+02, 2.0879e+00, 3.3346e+00],  
 [7.7424e+00, 4.5117e-02, 6.4631e-01],  
 [1.2084e+02, 7.6505e-01, 2.5438e+00],  
 [1.6997e+01, 6.4511e-02, 6.2545e-01],  
 [2.8598e-01, 1.2491e-05, 3.7067e-02],  
 [1.0502e+02, 2.3400e+00, 2.5930e+00],  
 [6.2851e+01, 1.2118e+00, 3.4444e+00],  
 [1.3911e-02, 9.1721e-08, 2.1216e-03],  
 [7.6037e+01, 1.3080e-01, 3.0254e+00],  
 [4.4814e+00, 7.0953e-03, 4.7856e-01],  
 [2.4230e+01, 1.8518e-01, 1.5166e+00],  
 [7.0175e+00, 4.2396e-04, 2.7805e-01],  
 [1.3523e+01, 1.8537e-02, 9.7698e-01],  
 [1.7284e+01, 5.9151e-02, 7.9108e-01],  
 [2.3678e+00, 8.9878e-04, 1.8257e-01],  
 [9.1992e+00, 9.6008e-02, 9.6560e-01],  
 [1.9647e-02, 5.1326e-07, 2.8272e-03],  
 [1.2945e+02, 1.1992e+00, 3.8045e+00],  
 [1.4017e+00, 1.8282e-04, 1.0490e-01],  
 [5.8289e+01, 6.4619e-01, 1.9002e+00],  
 [4.1898e+00, 3.7673e-03, 3.2307e-01],  
 [1.3201e+00, 6.0305e-04, 1.7360e-01],  
 [7.3102e-02, 1.2219e-06, 9.8403e-03],  
 [4.3569e-02, 2.8498e-07, 6.5241e-03],  
 [5.7523e+01, 6.2426e-01, 2.9078e+00],  
 [6.0544e+00, 2.1780e-03, 7.2294e-01],  
 [2.0123e-02, 6.0861e-08, 3.0419e-03],  
 [7.7028e+00, 2.6303e-02, 6.6892e-01],  
 [1.8955e+02, 9.2237e+00, 4.4753e+00],  
 [2.4770e+02, 1.9215e+00, 4.2257e+00],  
 [1.5882e-04, 1.3043e-11, 2.6133e-05],  
 [5.4882e-01, 3.5931e-05, 4.4035e-02],  
 [3.9579e+01, 3.0293e-02, 1.4831e+00],  
 [4.5163e-02, 1.2837e-06, 6.2785e-03],  
 [1.4068e+02, 2.5221e+00, 2.5240e+00],

[3.2442e+00, 4.7954e-03, 2.8443e-01],  
[4.1396e-01, 8.5362e-05, 3.7364e-02],  
[5.3865e+01, 4.5537e-01, 2.2129e+00],  
[1.1412e+02, 2.1424e-01, 3.6849e+00],  
[1.5179e+01, 6.9496e-02, 1.2300e+00],  
[3.8053e+00, 6.6362e-04, 2.5611e-01],  
[1.8842e-01, 6.1739e-06, 2.0434e-02],  
[2.7663e+00, 2.2067e-03, 2.0000e-01],  
[3.2862e+01, 7.9811e-02, 7.0776e-01],  
[4.8259e-02, 1.4507e-06, 6.3381e-03],  
[8.6628e+00, 1.3842e-02, 5.7365e-01],  
[1.7727e+01, 1.4216e-01, 8.8154e-01],  
[1.8141e-01, 4.0928e-06, 2.4141e-02],  
[8.9839e+01, 6.1525e-01, 2.1893e+00],  
[2.7509e+01, 2.7608e-01, 1.3875e+00],  
[1.1122e+02, 1.5188e+00, 2.7901e+00],  
[1.8163e+02, 2.9739e+00, 4.5264e+00],  
[1.7876e-01, 5.5877e-06, 2.3923e-02],  
[1.5272e-01, 6.5574e-06, 1.6856e-02],  
[1.5946e+01, 3.0140e-02, 1.2558e+00],  
[1.6296e+02, 3.1321e+00, 4.0174e+00],  
[4.8751e+01, 3.5995e-01, 2.0280e+00],  
[9.0638e-02, 6.6791e-06, 1.0562e-02],  
[1.4205e+00, 5.0258e-05, 7.7336e-02],  
[4.0343e+00, 2.1375e-03, 3.7398e-01],  
[6.3457e+01, 1.0026e+00, 2.3788e+00],  
[1.2749e+00, 5.1501e-04, 9.9854e-02],  
[1.9377e+01, 5.9892e-02, 7.9016e-01],  
[6.5118e-01, 2.3629e-04, 8.4742e-02],  
[2.2037e+01, 1.6380e-01, 9.6561e-01],  
[4.1211e-01, 1.1141e-04, 4.4071e-02],  
[3.7250e-01, 1.2315e-04, 4.2465e-02],  
[2.3002e+01, 1.2251e-01, 1.0052e+00],  
[5.6529e-02, 5.3291e-07, 8.3722e-03],  
[9.2856e+00, 2.0442e-02, 5.6172e-01],  
[4.6329e-01, 1.1795e-04, 3.9925e-02],  
[5.6259e-01, 6.4928e-05, 4.1992e-02],  
[1.6410e+00, 1.0559e-03, 1.3225e-01],  
[1.8349e-01, 1.3863e-05, 2.0289e-02],  
[4.8445e-01, 2.2881e-04, 5.7535e-02],  
[2.5140e+01, 6.6558e-02, 5.9772e-01],  
[7.9344e+01, 1.1054e+00, 2.5636e+00],  
[1.5806e+00, 1.1738e-03, 1.2653e-01],  
[5.5837e+01, 7.1321e-01, 1.8964e+00],  
[2.3394e+00, 7.9229e-04, 1.9454e-01],  
[3.0805e+00, 3.1698e-04, 1.6026e-01],  
[9.9801e-01, 3.7526e-04, 8.4905e-02],  
[1.0438e+01, 1.0354e-02, 5.0838e-01],

[1.8633e+02, 4.3176e+00, 3.4445e+00],  
[3.7058e+01, 6.1566e-02, 1.2062e+00],  
[1.5054e-02, 4.4259e-08, 2.3291e-03],  
[1.1250e+01, 2.4636e-02, 7.5183e-01],  
[2.4790e+01, 9.1669e-02, 7.3294e-01],  
[1.9949e+02, 2.9226e+00, 4.3079e+00],  
[1.1350e+02, 6.2502e-01, 3.8816e+00],  
[1.0490e+02, 1.8891e+00, 2.2190e+00],  
[3.6554e+01, 1.3298e-01, 8.9833e-01],  
[3.9139e+01, 1.3961e-01, 9.0295e-01],  
[1.1927e+00, 1.0249e-04, 1.2054e-01],  
[1.5517e+01, 2.1378e-02, 1.2755e+00],  
[8.7044e+00, 1.3742e-02, 4.8837e-01],  
[1.4978e+00, 1.0550e-03, 1.4329e-01],  
[6.3823e+01, 3.4163e-01, 2.5098e+00],  
[6.1624e+00, 3.6403e-03, 5.3216e-01],  
[6.9332e-03, 3.0282e-09, 1.0910e-03],  
[2.4001e+00, 1.2766e-03, 2.3920e-01],  
[4.1099e+01, 7.4005e-02, 1.9544e+00],  
[1.9825e+01, 7.8851e-03, 1.1525e+00],  
[4.2298e+00, 3.1638e-03, 2.8332e-01],  
[1.0259e-01, 7.0231e-06, 1.3296e-02],  
[8.4356e-01, 3.1577e-04, 8.3707e-02],  
[4.3233e+01, 4.3893e-01, 1.1605e+00],  
[5.0328e+01, 2.9589e-01, 2.5418e+00],  
[2.1420e+01, 8.2784e-02, 7.4254e-01],  
[7.0901e+00, 2.7131e-03, 3.5093e-01],  
[8.0465e+01, 4.9286e-01, 2.7381e+00],  
[1.2851e+01, 1.0235e-02, 1.0375e+00],  
[2.0484e+01, 1.3101e-02, 7.7737e-01],  
[1.5771e+01, 4.1969e-02, 6.5696e-01],  
[7.4223e-01, 2.3647e-04, 5.8446e-02],  
[7.2675e+00, 6.2914e-03, 3.8072e-01],  
[3.4750e+00, 5.2476e-04, 2.2754e-01],  
[4.4626e+01, 4.4004e-01, 1.4662e+00],  
[3.7269e+00, 1.5435e-03, 1.7654e-01],  
[9.3575e+00, 7.8819e-03, 5.1115e-01],  
[1.6284e+02, 1.5846e+00, 4.3688e+00],  
[2.0802e+01, 2.2159e-02, 7.5215e-01],  
[4.9029e+00, 5.7544e-03, 3.4569e-01],  
[9.7372e-02, 3.4888e-06, 1.1680e-02],  
[1.6815e+01, 8.9579e-02, 6.7529e-01],  
[1.4743e+01, 2.4040e-02, 1.1090e+00],  
[6.3376e-02, 1.5119e-06, 8.0000e-03],  
[4.2514e-01, 1.3955e-05, 4.0280e-02],  
[2.6798e+01, 4.7517e-02, 9.3844e-01],  
[6.6077e-02, 9.6493e-07, 9.8540e-03],  
[3.7206e+01, 4.2811e-01, 1.2199e+00],



```

[8.5971e-01, 1.3010e-04, 5.9947e-02],
[1.0683e+00, 9.5685e-04, 1.2641e-01],
[4.3053e+00, 1.0469e-03, 2.5953e-01],
[1.5294e+01, 2.9650e-02, 1.4848e+00],
[5.6194e-01, 8.1698e-05, 5.7828e-02],
[2.1057e+01, 8.3223e-03, 6.2141e-01],
[1.1505e+02, 1.6813e+00, 2.3439e+00],
[4.7164e+01, 2.7171e-01, 1.1686e+00],
[2.1853e+00, 3.3316e-03, 2.4312e-01],
[8.4947e+01, 4.6781e-01, 2.9680e+00],
[1.2672e+02, 1.5779e+00, 2.5601e+00],
[1.3986e+00, 2.4093e-04, 7.2223e-02],
[9.5255e+01, 1.2493e+00, 2.0012e+00],
[1.6634e+01, 2.5820e-02, 1.1968e+00],
[1.8259e+02, 8.2435e+00, 4.8287e+00],
[9.7811e+00, 2.3720e-02, 6.3784e-01],
[6.5347e-02, 3.5653e-06, 8.7293e-03],
[2.9997e+01, 1.5940e-01, 9.8061e-01],
[1.1569e+01, 1.8863e-02, 5.4682e-01],
[1.4918e-01, 1.3373e-05, 1.7027e-02],
[3.8784e-01, 1.8579e-04, 5.3410e-02],
[2.8430e+00, 9.4108e-04, 1.4792e-01],
[1.0924e+02, 4.3528e-01, 4.2612e+00],
[9.5982e+00, 6.2823e-03, 8.0530e-01],
[5.9288e+01, 1.1930e-01, 2.9365e+00],
[3.1183e-01, 1.7727e-05, 3.2633e-02],
[4.8856e+00, 3.2795e-03, 2.9676e-01],
[1.9757e-02, 2.1379e-07, 2.8868e-03],
[9.7049e+01, 1.0392e-01, 1.9948e+00],
[8.5506e+01, 2.0048e+00, 2.1582e+00],
[3.1725e+01, 3.9227e-02, 1.7903e+00],
[2.9696e+01, 8.6279e-02, 9.5701e-01],
[2.7831e-01, 3.8508e-05, 3.0109e-02],
[9.5843e-01, 6.2147e-05, 6.3258e-02],
[2.1664e+00, 5.9713e-04, 1.0449e-01],
[4.2969e-02, 7.2521e-08, 5.8522e-03],
[1.1760e+00, 2.2181e-04, 1.1813e-01],
[5.6874e+01, 5.7569e-01, 1.4168e+00],
[2.3262e-01, 6.9259e-06, 3.0693e-02],
[2.7000e+00, 9.6411e-04, 2.6235e-01],
[5.6736e+00, 2.9994e-03, 2.1153e-01],
[2.1423e+02, 9.1590e-01, 4.2301e+00],
[7.7610e+01, 8.2094e-01, 1.5509e+00],
[7.4349e-01, 1.7113e-04, 7.7536e-02]], dtype=torch.float64)
Iteration: 232
Inputs: tensor([[2.4228e+19, 1.7588e+02, 1.0439e+01, 5.9033e+00],
[9.0186e+18, 2.2005e+02, 4.3677e+00, 7.4762e+00],
[9.9672e+20, 4.1595e+02, 1.7154e+01, 6.2578e+00],

```

```

...,
[1.9616e+19, 4.1946e+02, 8.0709e+00, 1.2194e+00],
[6.0247e+19, 9.5781e+01, 1.3000e+01, 5.0824e+00],
[5.9874e+20, 1.4413e+02, 5.7912e+00, 1.9446e+00]], dtype=torch.float64)
Target: tensor([[4.9811e+00, 5.6550e-03, 3.6043e-01],
[3.3985e+00, 1.7201e-03, 2.1316e-01],
[1.9222e+02, 5.9511e+00, 4.9592e+00],
[4.2405e+00, 9.6040e-03, 3.8080e-01],
[1.5665e+01, 1.5665e-02, 7.3062e-01],
[5.2305e+01, 3.9258e-01, 1.1762e+00],
[2.4736e+00, 1.4345e-03, 1.5059e-01],
[1.2271e+01, 1.6165e-02, 6.1542e-01],
[8.9193e+00, 5.6694e-03, 7.9851e-01],
[5.9043e+01, 8.7008e-01, 3.2839e+00],
[5.7336e-01, 1.3512e-04, 7.0864e-02],
[9.8498e+00, 3.2210e-02, 5.5381e-01],
[6.8133e-02, 1.8449e-06, 9.4754e-03],
[2.6967e-01, 1.7301e-05, 2.4328e-02],
[1.2473e+01, 1.1687e-02, 4.7701e-01],
[1.1225e+00, 6.8558e-04, 9.0634e-02],
[7.6040e-01, 6.6170e-04, 9.0899e-02],
[6.1854e+00, 4.0522e-04, 3.7805e-01],
[2.6969e+01, 2.0558e-01, 1.1163e+00],
[6.6430e-02, 4.0957e-06, 8.4230e-03],
[2.2832e-01, 1.0567e-05, 3.3213e-02],
[3.9098e+00, 1.5779e-03, 3.0201e-01],
[2.9304e-01, 1.6437e-05, 3.7252e-02],
[3.4421e+00, 5.1361e-04, 2.6995e-01],
[1.6674e+01, 1.9091e-02, 9.1399e-01],
[1.2897e+01, 2.7412e-02, 6.6257e-01],
[1.0310e+02, 1.8750e+00, 2.7045e+00],
[2.4479e+00, 8.9238e-04, 1.4831e-01],
[1.2870e+02, 1.3799e+00, 3.5446e+00],
[1.3873e+01, 2.3884e-02, 6.6420e-01],
[1.9741e+02, 1.5207e+00, 3.7682e+00],
[1.4818e-01, 1.2671e-05, 1.5971e-02],
[3.2002e-01, 4.9232e-05, 3.4907e-02],
[3.6134e+01, 1.5902e-01, 1.3648e+00],
[1.0649e+00, 4.4873e-04, 1.0555e-01],
[1.6030e+00, 4.4648e-04, 8.9632e-02],
[4.6946e-01, 3.7690e-05, 3.5133e-02],
[4.2907e+01, 1.8727e-01, 2.4729e+00],
[4.3459e+00, 3.5568e-03, 2.8487e-01],
[1.7895e-02, 1.4778e-07, 2.6031e-03],
[2.6655e+01, 1.0830e-01, 2.1347e+00],
[1.1248e-01, 1.1415e-06, 1.4345e-02],
[7.2221e+01, 1.8953e+00, 3.5220e+00],
[6.2611e-03, 4.3009e-09, 9.7685e-04],

```

[1.1857e+00, 5.8442e-04, 8.5214e-02],  
[8.6931e-02, 6.2875e-07, 1.1979e-02],  
[1.2844e-01, 1.6811e-05, 1.5255e-02],  
[2.0068e+00, 1.0434e-03, 1.4255e-01],  
[1.9873e-01, 2.4195e-05, 3.0083e-02],  
[4.1390e-01, 4.3126e-05, 5.0914e-02],  
[2.5004e+00, 2.0264e-03, 2.1065e-01],  
[1.3840e+02, 5.3832e+00, 3.1190e+00],  
[1.9424e+02, 2.9055e+00, 4.4964e+00],  
[1.2255e+00, 5.0748e-05, 9.0474e-02],  
[1.6370e-02, 3.7939e-07, 2.5346e-03],  
[1.7886e+02, 3.7844e+00, 3.6534e+00],  
[1.7230e+00, 1.3000e-04, 1.2858e-01],  
[6.0767e+01, 4.1735e-01, 1.1289e+00],  
[6.9338e-02, 2.9490e-06, 9.9443e-03],  
[2.0405e+00, 2.6550e-04, 2.1098e-01],  
[8.4517e+01, 9.2483e-01, 2.0817e+00],  
[1.2315e+01, 5.2356e-02, 7.3381e-01],  
[3.6418e+00, 6.6519e-04, 2.3987e-01],  
[7.4280e+00, 9.7683e-03, 3.4614e-01],  
[2.3292e+02, 3.7625e+00, 4.0407e+00],  
[2.4486e+01, 1.7606e-02, 7.8290e-01],  
[7.3094e-01, 5.5314e-05, 7.7332e-02],  
[2.5445e+01, 2.2887e-01, 1.0588e+00],  
[2.2611e+01, 5.3191e-02, 7.8842e-01],  
[8.6947e+00, 2.0296e-02, 4.7525e-01],  
[2.1971e+01, 8.7535e-02, 1.1441e+00],  
[3.6104e+01, 7.2720e-02, 2.3345e+00],  
[3.9645e+00, 4.1696e-03, 4.2582e-01],  
[1.7419e+02, 5.3093e+00, 3.9964e+00],  
[6.4884e+01, 5.6071e-01, 3.1348e+00],  
[4.3667e+00, 1.6694e-03, 2.3282e-01],  
[4.6386e+01, 1.9404e-01, 2.8742e+00],  
[4.4931e+01, 1.1861e-01, 2.2430e+00],  
[2.0605e+00, 1.4145e-03, 1.2851e-01],  
[2.0401e-01, 2.9272e-06, 2.4363e-02],  
[3.3658e-01, 1.1237e-05, 4.1404e-02],  
[1.3049e+01, 1.8903e-02, 6.0566e-01],  
[1.3919e+02, 5.6039e-01, 3.8629e+00],  
[4.8800e+01, 8.2460e-02, 1.4485e+00],  
[1.0489e+01, 2.6810e-02, 4.9643e-01],  
[1.5045e+00, 4.0224e-04, 1.2641e-01],  
[7.6751e+01, 3.2131e-01, 1.9033e+00],  
[4.0193e+01, 3.8933e-01, 1.6145e+00],  
[1.1749e-01, 7.3614e-06, 1.6383e-02],  
[2.2932e+02, 2.8592e+00, 4.5506e+00],  
[2.6151e-01, 9.2926e-06, 2.5944e-02],  
[4.6370e-01, 5.2451e-05, 5.9820e-02],

[2.2246e+01, 9.9367e-02, 7.9003e-01],  
[3.1216e+01, 1.9447e-01, 1.4650e+00],  
[1.5603e+00, 1.2540e-03, 1.3110e-01],  
[5.0321e+01, 1.1388e+00, 3.1920e+00],  
[6.7981e+00, 2.1787e-02, 5.2112e-01],  
[5.6720e-01, 7.3146e-05, 6.1368e-02],  
[1.4895e-01, 3.1571e-06, 2.0441e-02],  
[1.7688e+02, 7.4059e-01, 4.0481e+00],  
[4.7081e+01, 1.8909e-01, 1.8770e+00],  
[8.0822e-03, 3.4271e-08, 1.2485e-03],  
[4.0463e-02, 8.9288e-07, 6.1433e-03],  
[7.7559e+00, 1.8699e-02, 5.5405e-01],  
[4.6763e+00, 2.0404e-03, 4.7926e-01],  
[5.7798e+00, 1.5860e-03, 2.4401e-01],  
[3.4497e-01, 6.4578e-05, 3.4132e-02],  
[2.1283e+01, 1.1885e-01, 9.4825e-01],  
[2.0152e+00, 1.9960e-03, 2.0081e-01],  
[4.6997e-02, 5.3300e-07, 6.3895e-03],  
[1.4336e+01, 3.1540e-02, 6.6195e-01],  
[2.5074e+02, 6.6219e+00, 4.6046e+00],  
[1.4303e+00, 4.8677e-05, 1.2975e-01],  
[7.4752e+01, 2.3897e-01, 1.6645e+00],  
[2.2356e-01, 4.5200e-06, 2.8324e-02],  
[1.1593e-01, 2.8641e-06, 1.4743e-02],  
[5.9885e+00, 1.1770e-02, 4.0797e-01],  
[5.7348e-01, 6.0709e-05, 6.4732e-02],  
[2.8775e-02, 1.0161e-06, 4.3375e-03],  
[2.6765e+01, 1.7006e-01, 8.5803e-01],  
[1.2094e+01, 2.7018e-02, 6.6594e-01],  
[4.9385e+00, 5.6455e-03, 2.4921e-01],  
[4.5282e+00, 2.3156e-03, 2.4364e-01],  
[2.3110e-01, 3.0416e-05, 2.2168e-02],  
[8.3008e+00, 8.1348e-03, 3.4309e-01],  
[1.4801e+00, 1.4741e-04, 8.3238e-02],  
[4.6163e+01, 5.9148e-01, 1.9739e+00],  
[1.3163e-01, 1.5170e-06, 1.7300e-02],  
[6.0160e+00, 3.1275e-03, 2.9633e-01],  
[1.0634e-01, 8.7226e-06, 1.4035e-02],  
[2.2672e-01, 3.3360e-05, 2.6418e-02],  
[3.9401e+00, 3.1529e-03, 2.0352e-01],  
[2.6928e+00, 1.8360e-04, 3.3158e-01],  
[2.6302e+02, 2.5207e+00, 4.1109e+00],  
[2.8299e+01, 2.1969e-02, 1.8700e+00],  
[1.5033e+00, 4.5339e-04, 1.5743e-01],  
[3.0338e+01, 1.3027e-02, 1.2123e+00],  
[3.6402e+01, 1.9181e-01, 1.4037e+00],  
[5.3283e+01, 8.1838e-02, 1.2287e+00],  
[6.6458e+00, 3.6468e-03, 3.0782e-01],

[3.5750e+01, 2.7205e-01, 1.3373e+00],  
[6.0393e-02, 3.5723e-07, 8.4187e-03],  
[2.4330e+01, 9.9493e-02, 8.1782e-01],  
[8.5440e+01, 2.6265e+00, 3.8460e+00],  
[1.4625e-01, 4.7711e-06, 1.9408e-02],  
[3.6543e+01, 5.5113e-01, 2.5040e+00],  
[6.5899e+00, 3.6912e-03, 3.6760e-01],  
[2.0839e-01, 1.3409e-05, 2.4481e-02],  
[2.4963e+00, 6.5163e-04, 1.4017e-01],  
[1.4406e+01, 2.4164e-02, 8.5107e-01],  
[1.4361e-01, 2.0060e-05, 1.8330e-02],  
[1.8865e+00, 3.6655e-03, 2.2640e-01],  
[5.3066e-02, 1.0407e-06, 6.9227e-03],  
[4.4660e+00, 1.9334e-03, 5.6592e-01],  
[1.3452e+02, 3.6119e+00, 3.1855e+00],  
[3.2482e+01, 7.2677e-02, 1.4795e+00],  
[2.9037e-01, 4.9985e-06, 3.1146e-02],  
[1.1492e+01, 5.4462e-03, 4.6245e-01],  
[9.8358e+01, 1.2221e+00, 3.5530e+00],  
[2.0721e+00, 1.2287e-04, 9.7753e-02],  
[9.2065e-02, 1.6718e-06, 1.1319e-02],  
[5.0765e-01, 2.0892e-05, 3.4138e-02],  
[7.0529e+01, 2.5461e-02, 2.4259e+00],  
[1.1069e+02, 4.0970e-01, 3.3756e+00],  
[7.8926e+01, 2.2917e+00, 3.2793e+00],  
[1.9244e-03, 7.8762e-09, 3.0608e-04],  
[2.2179e-01, 2.2250e-05, 3.0509e-02],  
[5.6702e+00, 6.7660e-03, 3.9295e-01],  
[2.3291e+01, 3.0417e-02, 8.6988e-01],  
[2.3278e+00, 2.7242e-04, 1.2136e-01],  
[3.3746e-01, 6.1356e-05, 3.3872e-02],  
[4.5306e+01, 5.9370e-01, 2.6670e+00],  
[4.2882e+01, 1.0749e-01, 1.5237e+00],  
[1.3031e+02, 1.3168e+00, 3.4147e+00],  
[5.9811e+01, 3.2904e-01, 2.6402e+00],  
[5.8186e+01, 4.9079e-01, 1.7061e+00],  
[8.9768e-01, 4.8050e-05, 6.3560e-02],  
[3.2663e+00, 3.8974e-04, 2.0182e-01],  
[3.5800e-01, 3.5232e-05, 3.1955e-02],  
[1.8908e+02, 3.8798e+00, 3.9415e+00],  
[1.1405e-01, 5.4548e-07, 1.5028e-02],  
[2.8452e+01, 1.4112e-01, 1.1804e+00],  
[2.3600e-01, 8.1632e-06, 2.2983e-02],  
[1.0114e+00, 7.8352e-04, 1.2018e-01],  
[1.9095e+01, 1.3720e-01, 1.5533e+00],  
[2.3624e-03, 1.7446e-09, 3.7410e-04],  
[9.9790e+01, 2.4916e+00, 2.5172e+00],  
[3.9235e+00, 3.6854e-03, 2.9593e-01],

[4.1771e+01, 6.2551e-01, 1.5252e+00],  
[3.7263e-01, 1.3066e-05, 4.3723e-02],  
[1.6689e+02, 5.8557e+00, 3.5062e+00],  
[5.1049e-01, 1.7663e-05, 6.0717e-02],  
[4.6922e+00, 3.3643e-03, 2.6839e-01],  
[5.1476e-02, 1.4654e-06, 7.7458e-03],  
[1.9125e-01, 3.9504e-06, 2.2732e-02],  
[1.1803e-01, 1.9361e-06, 1.5326e-02],  
[2.3536e+02, 7.0621e+00, 4.7548e+00],  
[9.0190e-01, 3.5137e-05, 6.6372e-02],  
[1.0187e-02, 1.5270e-08, 1.5498e-03],  
[1.0018e+02, 9.4038e-02, 3.3589e+00],  
[4.8610e+00, 6.8060e-03, 2.5003e-01],  
[1.7752e-01, 2.0222e-05, 1.9265e-02],  
[1.1022e+02, 3.1213e+00, 3.5016e+00],  
[2.3107e-01, 1.0252e-05, 2.6449e-02],  
[2.4018e+02, 4.8242e+00, 4.5697e+00],  
[6.3738e+01, 1.5412e+00, 3.2503e+00],  
[2.0713e+00, 7.5563e-04, 1.3258e-01],  
[4.5627e+00, 2.5554e-03, 2.3482e-01],  
[1.3259e+02, 1.7371e+00, 4.5575e+00],  
[5.2013e-01, 2.0206e-05, 4.7610e-02],  
[1.2695e+02, 7.7108e-01, 4.4922e+00],  
[6.4314e+01, 5.7287e-01, 1.3925e+00],  
[7.5645e+01, 7.3172e-01, 1.9697e+00],  
[2.7222e+01, 5.3694e-02, 1.6369e+00],  
[1.0649e+01, 1.3871e-02, 5.5165e-01],  
[1.7712e+01, 2.8082e-02, 1.2326e+00],  
[2.0478e+02, 2.0874e+00, 3.9053e+00],  
[5.8735e+00, 5.1387e-03, 3.5293e-01],  
[2.3496e+00, 1.5611e-03, 2.4786e-01],  
[5.9704e-02, 6.8220e-07, 8.4559e-03],  
[1.6719e+00, 3.4428e-04, 1.8146e-01],  
[2.2275e+00, 1.0153e-03, 1.4940e-01],  
[7.3512e+00, 2.4078e-03, 4.7282e-01],  
[7.1363e-01, 2.4720e-04, 9.2105e-02],  
[3.5459e+01, 3.4675e-01, 2.6341e+00],  
[3.8429e-01, 8.7917e-05, 3.6190e-02],  
[1.1967e+01, 7.0395e-02, 5.9227e-01],  
[2.4201e-01, 6.3215e-06, 2.6644e-02],  
[1.6575e+02, 7.5628e-01, 3.2194e+00],  
[2.4776e-02, 4.1984e-08, 3.6895e-03],  
[2.8696e+00, 1.0691e-03, 2.7080e-01],  
[3.2648e+00, 8.5359e-04, 3.6179e-01],  
[2.2732e+01, 9.1398e-02, 8.9542e-01],  
[2.7401e+00, 7.8312e-03, 2.9991e-01],  
[4.2650e-02, 3.9628e-07, 5.5988e-03],  
[1.7400e+01, 7.0542e-02, 1.0000e+00],

[8.9055e+00, 1.2965e-02, 3.8003e-01],  
[1.9556e+02, 6.7417e-01, 4.3704e+00],  
[1.6130e-01, 1.1380e-05, 1.9693e-02],  
[1.5678e-01, 1.5480e-05, 2.2744e-02],  
[2.2509e+02, 9.7294e+00, 4.3400e+00],  
[1.5159e+02, 3.9756e+00, 3.6447e+00],  
[2.7073e+00, 1.6840e-03, 2.3779e-01],  
[4.1209e+01, 3.8790e-02, 2.6643e+00],  
[3.8161e-01, 1.0634e-04, 3.7331e-02],  
[1.8241e-01, 1.4718e-05, 1.8891e-02],  
[1.4096e-01, 3.6596e-06, 1.6539e-02],  
[1.7233e+01, 3.6265e-02, 7.9211e-01],  
[7.0047e-01, 8.2415e-05, 4.7605e-02],  
[3.2044e+01, 1.2629e-01, 1.0348e+00],  
[6.8290e+00, 3.2603e-02, 6.3161e-01],  
[3.3132e+01, 1.9973e-01, 1.2235e+00],  
[2.0349e-01, 2.9419e-06, 2.0669e-02],  
[5.3217e+01, 2.9919e-01, 2.3878e+00],  
[1.8833e+00, 3.3169e-03, 2.0427e-01],  
[6.9932e-02, 5.1459e-06, 1.0200e-02],  
[2.2661e+00, 1.2451e-03, 1.5188e-01],  
[4.2565e-01, 7.0869e-05, 4.1969e-02],  
[2.6263e+01, 6.3876e-02, 6.4748e-01],  
[9.0164e+01, 5.1566e-01, 3.0980e+00],  
[2.0024e-01, 3.8593e-05, 2.6122e-02],  
[2.6860e+01, 1.1050e-01, 9.5027e-01],  
[2.2874e+01, 8.9392e-02, 9.3019e-01],  
[1.7825e+02, 2.0290e+00, 4.1324e+00],  
[1.7365e+00, 1.3622e-03, 1.4201e-01],  
[9.0414e+00, 8.6995e-03, 7.8676e-01],  
[1.6779e-01, 7.3450e-06, 1.7080e-02],  
[2.0129e+01, 1.3847e-01, 8.8613e-01],  
[1.4789e+01, 1.0526e-02, 1.1625e+00],  
[1.0250e-02, 4.9943e-08, 1.6315e-03],  
[2.1412e+00, 9.0210e-04, 1.3589e-01],  
[8.3253e+00, 1.8952e-03, 4.7468e-01],  
[1.8196e+00, 1.7733e-03, 1.5717e-01],  
[2.6215e+01, 1.8745e-01, 1.4334e+00],  
[1.4387e+01, 2.9441e-02, 7.0028e-01],  
[3.6982e+01, 5.5361e-01, 1.8684e+00],  
[2.7793e-01, 3.5174e-05, 3.1382e-02],  
[1.5756e+02, 6.1375e-01, 3.8007e+00],  
[3.4446e-01, 3.7807e-05, 3.3580e-02],  
[8.3876e+01, 5.6517e-01, 2.8151e+00],  
[1.3696e-01, 1.5377e-06, 1.9669e-02],  
[1.1443e-01, 3.6332e-06, 1.4067e-02],  
[2.9852e+00, 1.7590e-03, 2.7999e-01],  
[1.0057e+02, 1.0540e+00, 2.3738e+00],

```

[2.1475e+01, 1.3935e-01, 8.0961e-01],
[1.3166e-01, 1.4578e-05, 1.5902e-02],
[1.8670e+01, 1.0974e-01, 8.8395e-01],
[2.4836e+01, 3.0816e-01, 1.8104e+00],
[2.7359e-01, 2.5409e-05, 2.4886e-02],
[2.5187e-01, 5.2537e-06, 2.9975e-02],
[1.4433e+02, 1.6257e-01, 2.7179e+00],
[1.6799e+00, 1.5458e-03, 1.5169e-01],
[1.3933e+00, 1.1706e-03, 1.4529e-01],
[5.5696e-01, 1.0709e-04, 4.9209e-02],
[5.6702e+01, 3.3045e-02, 2.1416e+00],
[3.2745e+01, 4.4907e-01, 1.7487e+00],
[9.3965e+00, 9.4091e-02, 1.0276e+00],
[6.7257e+01, 5.7221e-01, 2.9797e+00],
[2.7065e-02, 2.1878e-07, 3.7671e-03],
[3.8767e-02, 1.0391e-07, 5.3686e-03],
[7.9947e+00, 2.2107e-02, 7.5464e-01],
[4.8417e-02, 6.4511e-07, 6.4057e-03],
[1.9617e+01, 3.0868e-03, 1.4628e+00],
[3.8594e+01, 2.6506e-01, 1.2100e+00],
[6.6520e+01, 2.6532e-01, 2.2012e+00],
[3.6739e-02, 1.1469e-06, 5.2149e-03],
[9.7887e-02, 1.2555e-05, 1.4288e-02],
[2.4541e+00, 3.2247e-03, 2.6676e-01],
[2.8101e+00, 8.1326e-04, 1.7002e-01],
[3.6583e-01, 2.4280e-05, 4.7739e-02],
[1.1364e-02, 5.2909e-08, 1.7076e-03],
[9.2196e-01, 4.5474e-04, 8.5493e-02],
[5.6083e-01, 3.5605e-04, 7.0807e-02],
[2.9146e+01, 1.3660e-01, 1.6278e+00],
[1.5959e+00, 5.1310e-04, 1.0680e-01],
[1.5412e+02, 3.9962e+00, 3.5028e+00],
[1.5661e+00, 1.0466e-03, 1.3479e-01],
[3.1449e+00, 2.9834e-04, 2.6076e-01],
[5.3323e+00, 9.9770e-03, 4.7075e-01],
[5.2500e+01, 7.7822e-02, 2.8929e+00]], dtype=torch.float64)
Iteration: 233
Inputs: tensor([[1.1626e+20, 3.8388e+02, 1.9776e+01, 5.9224e+00],
               [1.3154e+18, 3.0180e+02, 1.5920e+01, 3.1318e+00],
               [1.5434e+19, 2.2167e+02, 7.6517e+00, 1.9991e+00],
               ...,
               [1.3373e+20, 2.7088e+02, 7.3971e+00, 6.4619e+00],
               [8.6358e+19, 1.2849e+02, 1.8575e+01, 1.8052e+00],
               [1.4042e+19, 4.3269e+01, 1.9110e+01, 4.5938e+00]]), dtype=torch.float64)
Target: tensor([[3.5119e+01, 2.8650e-01, 1.3946e+00],
               [3.4664e-02, 3.7549e-07, 4.7870e-03],
               [1.6787e+00, 1.7679e-04, 1.6321e-01],
               [3.5059e-01, 1.0681e-04, 4.1894e-02],

```



[1.3704e+00, 3.2098e-04, 7.9179e-02],  
 [1.8975e-01, 1.0930e-05, 2.8361e-02],  
 [5.7978e+00, 3.0010e-02, 4.8850e-01],  
 [1.3131e+00, 1.0874e-03, 1.2207e-01],  
 [1.5112e+00, 3.5691e-04, 1.3192e-01],  
 [5.5159e+00, 2.8137e-03, 4.2314e-01],  
 [1.8250e+02, 2.6978e+00, 4.1688e+00],  
 [1.8605e-03, 7.8408e-10, 3.0079e-04],  
 [2.8342e+01, 1.4817e-01, 1.2603e+00],  
 [1.0876e+02, 4.5404e+00, 4.1910e+00],  
 [3.5961e+00, 3.8370e-03, 1.9791e-01],  
 [1.8370e+02, 4.4817e+00, 4.4727e+00],  
 [4.2752e+01, 1.3259e-01, 2.3221e+00],  
 [7.4296e-02, 1.3237e-06, 9.1424e-03],  
 [4.8685e+00, 9.7583e-03, 3.3137e-01],  
 [3.0948e+00, 1.5666e-03, 2.3838e-01],  
 [2.5382e-01, 1.7644e-05, 2.8607e-02],  
 [1.3642e+01, 1.5897e-02, 8.3477e-01],  
 [2.8416e-01, 3.6964e-05, 2.8446e-02],  
 [1.5766e+02, 3.2253e+00, 3.5917e+00],  
 [7.3053e+00, 1.7661e-02, 5.8884e-01],  
 [4.1884e-02, 1.0398e-06, 6.5028e-03],  
 [5.6030e+01, 8.1586e-01, 2.0005e+00],  
 [1.9667e+00, 1.1522e-04, 1.6849e-01],  
 [3.1154e-01, 2.0584e-06, 4.2577e-02],  
 [1.0564e+00, 2.8906e-04, 9.6827e-02],  
 [6.7240e+01, 8.4914e-01, 3.4078e+00],  
 [2.3159e+01, 7.3378e-02, 9.6290e-01],  
 [6.3074e-03, 7.9432e-09, 9.9292e-04],  
 [2.9208e-02, 3.9376e-07, 4.2350e-03],  
 [3.7983e+00, 2.5685e-03, 2.1955e-01],  
 [1.2057e+02, 4.1473e+00, 2.9735e+00],  
 [1.0405e-01, 3.4251e-06, 1.2516e-02],  
 [2.7404e+01, 3.5798e-01, 1.3793e+00],  
 [2.0120e+01, 3.6690e-02, 6.9493e-01],  
 [1.2911e+01, 2.1968e-02, 6.4106e-01],  
 [1.7001e+00, 9.1176e-04, 1.1198e-01],  
 [8.9911e+00, 8.8430e-03, 3.5325e-01],  
 [5.1393e-01, 3.0602e-05, 5.0562e-02],  
 [2.3749e+01, 4.9603e-02, 8.4544e-01],  
 [1.2328e+00, 4.4783e-04, 1.1407e-01],  
 [2.6980e+00, 4.3704e-03, 3.2039e-01],  
 [7.1363e+00, 1.4474e-02, 4.3550e-01],  
 [6.5164e+00, 8.1320e-03, 3.0445e-01],  
 [2.6511e-01, 1.6184e-05, 2.3197e-02],  
 [1.4600e+01, 5.4453e-02, 6.7120e-01],  
 [1.6861e-02, 2.6858e-07, 2.4849e-03],  
 [7.9450e-02, 9.7073e-07, 1.0042e-02],

[2.9035e-02, 1.0999e-07, 4.4263e-03],  
[2.4199e+00, 2.8277e-04, 2.2873e-01],  
[6.5295e-01, 1.8602e-04, 7.7314e-02],  
[5.3018e+00, 4.1734e-03, 2.6118e-01],  
[6.7136e+00, 4.3336e-03, 6.0873e-01],  
[1.7459e+02, 2.0192e+00, 4.4063e+00],  
[4.2154e+01, 2.7251e-01, 1.2432e+00],  
[2.7331e-01, 2.9323e-05, 3.0620e-02],  
[1.6297e-01, 5.6320e-07, 1.9930e-02],  
[5.4337e-01, 7.0688e-05, 6.7604e-02],  
[4.0745e-01, 8.9571e-05, 4.2761e-02],  
[2.1915e+00, 1.0754e-04, 1.3193e-01],  
[8.2293e-01, 8.2769e-05, 5.4826e-02],  
[2.1578e+00, 1.6268e-03, 1.9596e-01],  
[3.5355e+01, 1.2392e-02, 1.8103e+00],  
[2.5104e+01, 2.3733e-02, 8.1357e-01],  
[2.2139e+00, 6.4017e-04, 1.7425e-01],  
[8.3428e-01, 1.4750e-04, 8.2937e-02],  
[1.5224e-02, 1.3763e-08, 2.3446e-03],  
[5.2921e+00, 4.0493e-03, 3.8547e-01],  
[6.7569e+01, 5.9843e-01, 1.4567e+00],  
[5.1540e+00, 5.0839e-03, 2.9817e-01],  
[8.9174e-01, 3.0193e-04, 1.1904e-01],  
[2.3455e-01, 1.0658e-05, 2.4464e-02],  
[1.1323e+00, 2.9550e-04, 1.1515e-01],  
[8.3534e+00, 2.8225e-02, 4.6014e-01],  
[4.8823e+00, 1.8461e-02, 5.3319e-01],  
[4.2847e-01, 1.5291e-05, 4.4492e-02],  
[1.2216e+00, 4.2056e-04, 8.8335e-02],  
[4.0120e-01, 4.9197e-06, 4.8226e-02],  
[5.6534e-02, 1.7060e-07, 8.4049e-03],  
[7.7490e+01, 6.2675e-01, 1.4697e+00],  
[1.7721e+01, 1.9809e-02, 7.0953e-01],  
[4.6175e+00, 2.3229e-04, 2.8643e-01],  
[1.5385e+00, 2.8459e-04, 1.0638e-01],  
[2.7610e-01, 4.4396e-05, 3.0565e-02],  
[3.9756e+01, 4.9150e-01, 1.1228e+00],  
[6.9623e+01, 7.3539e-01, 2.5775e+00],  
[1.4114e+02, 1.6368e+00, 3.6576e+00],  
[2.4996e+00, 3.4744e-03, 2.6664e-01],  
[1.0674e+02, 9.6998e-01, 1.7871e+00],  
[2.7695e+01, 2.0000e-01, 9.7131e-01],  
[1.1706e+02, 9.3344e-01, 3.4322e+00],  
[5.3741e-01, 2.1851e-04, 6.2408e-02],  
[1.8695e+02, 1.9365e+00, 4.0136e+00],  
[2.4970e+00, 1.5211e-03, 2.2829e-01],  
[1.3215e+01, 1.1135e-02, 1.0272e+00],  
[1.5260e+01, 7.4202e-02, 1.2240e+00],

[7.8689e+00, 1.8106e-02, 3.5310e-01],  
[1.2772e+02, 1.2539e+00, 3.0968e+00],  
[8.8310e+00, 9.9859e-03, 3.9036e-01],  
[9.6373e-01, 1.6649e-04, 6.9901e-02],  
[2.5245e-01, 3.0371e-05, 3.0204e-02],  
[2.8797e+00, 1.5814e-03, 2.5273e-01],  
[8.7625e+00, 1.9125e-03, 4.1947e-01],  
[2.5498e+01, 1.2440e-01, 1.1530e+00],  
[4.9066e-01, 8.2999e-05, 4.4189e-02],  
[4.1802e+00, 6.9778e-04, 2.1791e-01],  
[3.0150e+00, 9.9627e-03, 3.5489e-01],  
[3.7320e+00, 1.6918e-03, 3.1059e-01],  
[1.6611e-01, 1.7062e-06, 2.0422e-02],  
[1.4772e+01, 3.7193e-02, 7.1599e-01],  
[2.3517e+01, 2.7435e-01, 1.4323e+00],  
[7.7148e-01, 2.3921e-05, 7.4515e-02],  
[2.2645e-03, 3.2145e-09, 3.6289e-04],  
[2.8151e+00, 2.3723e-03, 3.7837e-01],  
[3.2451e+01, 4.6811e-01, 1.9456e+00],  
[3.1245e+00, 5.4317e-03, 2.4032e-01],  
[7.8280e-01, 2.4116e-04, 1.0424e-01],  
[1.6271e+02, 2.8418e+00, 3.8527e+00],  
[6.4908e+01, 6.8274e-01, 2.1854e+00],  
[5.1506e+00, 2.7355e-02, 6.5621e-01],  
[3.4574e+00, 3.4529e-04, 1.4722e-01],  
[5.2599e+00, 2.7100e-03, 3.6256e-01],  
[1.7997e-01, 1.1511e-06, 2.1551e-02],  
[1.4535e+00, 4.5968e-05, 1.2660e-01],  
[1.9704e+01, 3.3473e-02, 1.3373e+00],  
[1.8273e-01, 9.6573e-07, 1.9026e-02],  
[1.2642e+01, 1.0644e-02, 1.0189e+00],  
[3.2514e-01, 6.1603e-05, 3.2229e-02],  
[5.0854e+00, 3.9879e-03, 3.3426e-01],  
[2.6711e+01, 1.5556e-02, 1.0094e+00],  
[1.6707e+02, 5.4488e+00, 4.1125e+00],  
[2.3743e-01, 6.3999e-06, 3.0757e-02],  
[2.4915e+01, 8.8050e-02, 1.1966e+00],  
[7.9007e-03, 5.8167e-09, 1.2381e-03],  
[1.6972e+00, 1.2333e-03, 1.2409e-01],  
[1.2022e+02, 1.5833e+00, 3.1173e+00],  
[1.7606e+01, 7.8052e-02, 1.7209e+00],  
[1.1523e+02, 2.2477e+00, 4.4550e+00],  
[5.7666e-02, 4.3200e-06, 8.7586e-03],  
[4.2287e+01, 4.6291e-01, 1.4391e+00],  
[1.3611e+02, 7.9277e-01, 2.6511e+00],  
[3.6538e-01, 2.2003e-05, 4.1899e-02],  
[1.5168e+02, 2.2716e-01, 4.1101e+00],  
[7.3597e-01, 1.2907e-04, 9.7340e-02],

[1.1582e+01, 6.5340e-03, 7.9565e-01],  
[4.0015e+00, 6.4810e-03, 3.3180e-01],  
[8.4384e+01, 7.4083e-01, 2.6214e+00],  
[3.1861e-02, 1.5521e-06, 4.7485e-03],  
[1.9959e+01, 4.3878e-02, 6.8548e-01],  
[7.6740e-03, 2.2042e-08, 1.1871e-03],  
[1.0748e-01, 5.0750e-06, 1.3168e-02],  
[3.3472e-02, 2.4071e-07, 5.0789e-03],  
[2.5284e+00, 6.5782e-05, 1.6039e-01],  
[1.6601e+01, 1.9431e-02, 5.2659e-01],  
[2.7611e-01, 2.1338e-05, 3.1330e-02],  
[1.3511e+02, 1.9697e+00, 2.6867e+00],  
[4.8083e+01, 4.9980e-01, 1.6910e+00],  
[5.6651e+00, 1.1219e-03, 3.5398e-01],  
[2.0988e+00, 1.3548e-03, 1.5322e-01],  
[7.4928e+01, 1.7503e+00, 2.9746e+00],  
[1.4150e+02, 2.3814e+00, 2.7123e+00],  
[7.1122e-01, 2.8367e-04, 7.2096e-02],  
[5.5160e+00, 1.7242e-03, 3.5997e-01],  
[5.6398e+01, 2.0142e-01, 2.1163e+00],  
[6.8168e-01, 9.2478e-05, 4.7814e-02],  
[2.0323e+01, 5.8901e-02, 6.3335e-01],  
[7.8583e-01, 7.2036e-05, 8.0624e-02],  
[1.4160e-01, 2.7503e-06, 1.9644e-02],  
[3.2781e-01, 4.2638e-05, 3.9070e-02],  
[3.1107e+00, 1.7917e-03, 2.0405e-01],  
[1.9642e-01, 2.5509e-05, 2.4316e-02],  
[6.6729e-01, 2.7643e-04, 6.5375e-02],  
[1.2494e-01, 1.2681e-05, 1.4432e-02],  
[8.1581e+01, 1.0283e+00, 2.8022e+00],  
[6.6260e-01, 2.7556e-04, 5.6251e-02],  
[6.9430e+01, 5.3544e-01, 1.3156e+00],  
[1.1890e+00, 6.4027e-04, 1.3185e-01],  
[5.0721e-01, 8.6198e-05, 6.4048e-02],  
[9.7365e+01, 1.0424e+00, 2.9354e+00],  
[9.9785e-01, 5.0411e-04, 8.7098e-02],  
[2.6209e+01, 9.4664e-02, 8.1708e-01],  
[8.6993e+01, 5.8370e-01, 3.4798e+00],  
[1.9061e+00, 1.0745e-03, 1.5906e-01],  
[1.1000e+02, 2.4931e+00, 3.2510e+00],  
[3.5118e-01, 3.2093e-05, 3.7017e-02],  
[3.7528e+00, 3.8451e-04, 1.6885e-01],  
[1.1162e+02, 4.4180e-01, 3.5053e+00],  
[3.6932e+01, 1.6006e-01, 1.1001e+00],  
[2.4261e+00, 8.7631e-04, 1.2267e-01],  
[3.9706e-01, 7.0782e-05, 4.1705e-02],  
[4.1677e+01, 9.9633e-02, 2.9462e+00],  
[9.5558e+01, 3.2856e-01, 4.1108e+00],

[1.8700e+00, 5.5731e-04, 2.4838e-01],  
[8.7487e+01, 5.3485e-01, 2.7342e+00],  
[1.1966e+02, 2.0248e-01, 3.5538e+00],  
[1.8181e+01, 7.4876e-02, 1.0520e+00],  
[8.0108e-02, 1.2720e-06, 1.0237e-02],  
[1.4851e-01, 2.1979e-06, 1.7773e-02],  
[1.6040e+01, 4.7171e-02, 6.6252e-01],  
[3.5338e+00, 4.8649e-04, 2.5338e-01],  
[6.5070e+01, 2.0309e-01, 1.9135e+00],  
[3.3765e-02, 2.1775e-07, 4.7450e-03],  
[3.1435e-01, 1.1691e-04, 4.1255e-02],  
[6.6773e+01, 6.6913e-01, 2.1325e+00],  
[1.7224e+02, 1.3185e+00, 3.3400e+00],  
[3.4061e-01, 2.8483e-05, 4.2556e-02],  
[8.0680e+01, 3.1728e-01, 2.5610e+00],  
[1.1020e+01, 1.8928e-02, 5.4478e-01],  
[2.6265e+02, 4.0857e+00, 4.9704e+00],  
[1.3248e+00, 6.0870e-04, 1.2578e-01],  
[1.7820e+00, 6.1189e-05, 1.3481e-01],  
[1.5044e-01, 9.5489e-06, 1.5656e-02],  
[6.8559e-02, 1.2760e-06, 9.8691e-03],  
[2.6700e+01, 1.2698e-01, 7.8287e-01],  
[5.3825e-02, 3.7014e-07, 7.6523e-03],  
[2.4366e+01, 2.1655e-01, 1.6957e+00],  
[1.2877e-01, 1.0915e-05, 1.4526e-02],  
[1.1704e+01, 1.7326e-02, 6.8449e-01],  
[1.7563e+02, 1.2779e+00, 4.8405e+00],  
[6.7721e+00, 2.9060e-03, 3.0256e-01],  
[1.2407e+02, 9.9451e-01, 2.3873e+00],  
[4.2717e-02, 2.4486e-07, 6.1666e-03],  
[2.4979e-04, 1.3906e-11, 4.1114e-05],  
[1.2323e+01, 1.5011e-02, 4.7011e-01],  
[6.4283e+00, 4.6991e-03, 2.8217e-01],  
[3.5819e+00, 1.1006e-03, 1.8904e-01],  
[1.5084e-01, 9.9148e-07, 2.0696e-02],  
[2.0483e+01, 3.5613e-02, 5.8756e-01],  
[2.9622e+00, 1.2619e-03, 2.4655e-01],  
[4.5695e-01, 1.8821e-05, 3.4473e-02],  
[4.9028e+00, 4.2606e-03, 2.9847e-01],  
[3.5892e+01, 7.5970e-02, 7.7582e-01],  
[5.2496e+01, 1.5121e-01, 2.0954e+00],  
[1.2514e+00, 4.0580e-04, 1.0463e-01],  
[4.9746e+01, 3.3278e-01, 1.1682e+00],  
[1.6361e+02, 1.8337e+00, 3.3063e+00],  
[2.0456e+00, 1.2144e-03, 1.6292e-01],  
[2.7939e+01, 1.9224e-02, 1.4905e+00],  
[3.3762e-01, 6.8634e-05, 3.5758e-02],  
[6.2154e+00, 3.9541e-03, 3.0004e-01],

[4.2213e+00, 3.8998e-03, 2.6352e-01],  
[1.1471e+02, 2.2304e+00, 3.7974e+00],  
[3.0110e+01, 2.3342e-02, 9.6208e-01],  
[5.9415e-01, 2.5287e-05, 6.0878e-02],  
[1.8995e+00, 3.7584e-04, 1.9508e-01],  
[8.4677e-03, 1.0541e-07, 1.2952e-03],  
[4.0377e+00, 1.6100e-02, 4.5656e-01],  
[1.5325e+01, 3.3429e-02, 7.5416e-01],  
[1.4023e+01, 1.7213e-02, 9.1941e-01],  
[4.2107e+01, 1.3210e-01, 1.3415e+00],  
[1.1520e+02, 2.1151e+00, 3.8904e+00],  
[1.0749e-01, 1.8959e-06, 1.3902e-02],  
[8.1359e+01, 1.2447e-01, 2.7507e+00],  
[1.4607e+01, 6.0591e-02, 1.0327e+00],  
[1.8964e-01, 3.3406e-06, 2.1175e-02],  
[2.4823e+01, 6.8783e-02, 2.1028e+00],  
[8.8743e+01, 3.1528e+00, 3.7270e+00],  
[1.1002e+00, 3.6600e-04, 1.0959e-01],  
[9.9686e+00, 3.2650e-02, 5.0927e-01],  
[2.5359e-02, 1.4566e-07, 3.6237e-03],  
[2.7862e+00, 2.6362e-04, 2.3688e-01],  
[1.7921e-02, 1.3806e-07, 2.6834e-03],  
[1.2969e+01, 1.5286e-02, 4.5153e-01],  
[1.3520e+00, 2.9258e-04, 8.5991e-02],  
[6.6625e+01, 2.4149e-01, 1.8641e+00],  
[2.3988e+00, 1.2800e-03, 1.5073e-01],  
[2.0743e+02, 2.9345e+00, 3.3676e+00],  
[3.6153e+01, 4.6242e-01, 2.4856e+00],  
[1.3308e+00, 2.5240e-04, 1.2082e-01],  
[1.0378e+02, 1.7780e+00, 3.1540e+00],  
[1.5321e+02, 4.2377e-01, 4.2530e+00],  
[8.4775e-01, 1.2702e-04, 9.5770e-02],  
[3.0828e+01, 2.6932e-01, 2.0709e+00],  
[7.9678e+01, 9.4626e-01, 1.8914e+00],  
[3.4333e-01, 2.3427e-05, 2.8939e-02],  
[1.1347e+02, 1.0734e+00, 2.4074e+00],  
[3.2192e+00, 1.9557e-03, 3.0856e-01],  
[3.9453e-01, 1.8768e-05, 3.8040e-02],  
[1.2174e+01, 4.7268e-03, 5.1814e-01],  
[3.5089e+01, 8.2223e-02, 1.2573e+00],  
[4.2392e-01, 1.2557e-04, 5.4141e-02],  
[2.5241e+02, 3.3634e+00, 4.0799e+00],  
[1.6326e+01, 3.0983e-02, 1.1850e+00],  
[5.8923e+01, 3.8438e-02, 2.6740e+00],  
[1.5672e-01, 8.3844e-06, 1.6732e-02],  
[7.6850e+00, 8.1804e-03, 6.5551e-01],  
[3.9467e+00, 3.1809e-03, 3.7237e-01],  
[1.0452e+01, 5.6382e-03, 4.1381e-01],

```

[5.3561e+01, 4.5137e-01, 1.2907e+00],
[1.8539e-01, 2.6312e-06, 2.3500e-02],
[8.6653e+00, 2.7552e-02, 4.4632e-01],
[7.9218e+00, 1.1154e-02, 4.7314e-01],
[1.5633e+02, 9.0813e-01, 4.3072e+00],
[5.1708e-01, 3.9128e-05, 3.6026e-02],
[3.7650e+00, 5.4268e-03, 2.8421e-01],
[1.7426e+01, 3.2007e-02, 1.1029e+00],
[1.2578e+00, 1.7141e-04, 1.3661e-01],
[5.0136e+01, 2.6289e-01, 2.2669e+00],
[1.4106e+01, 3.5020e-02, 1.0434e+00],
[1.2327e+01, 4.1852e-02, 5.3784e-01],
[1.2343e+00, 1.9407e-04, 7.1760e-02],
[6.8058e+01, 1.7645e+00, 3.2580e+00],
[3.7057e+00, 1.3564e-03, 2.8291e-01],
[9.1945e+01, 2.7087e+00, 2.8354e+00],
[9.2969e+00, 2.1135e-02, 4.9514e-01],
[1.5438e+01, 8.1023e-02, 6.8560e-01],
[4.7371e-02, 2.9357e-06, 6.9811e-03],
[1.2393e+00, 5.4008e-04, 9.1722e-02],
[1.4844e+02, 4.2146e+00, 2.9663e+00],
[8.9157e+01, 1.6956e-01, 2.2730e+00],
[1.1552e+01, 1.1620e-02, 4.8876e-01],
[1.5705e+01, 1.3460e-02, 4.7204e-01],
[1.6616e+00, 9.0779e-04, 1.0506e-01],
[5.0957e+01, 3.0940e-01, 1.6131e+00],
[1.8419e+00, 7.9864e-04, 2.2374e-01],
[6.2562e-02, 3.4116e-06, 9.4662e-03]], dtype=torch.float64)
Iteration: 234
Inputs: tensor([[1.7920e+20, 1.6404e+02, 5.6953e+00, 3.8986e+00],
[1.2669e+20, 4.9569e+02, 4.2332e+00, 2.5650e+00],
[5.9612e+18, 1.3378e+02, 1.0740e+01, 8.2329e+00],
...,
[4.8750e+20, 4.8897e+02, 8.8771e+00, 3.3978e+00],
[8.8660e+19, 3.4623e+01, 1.2551e+01, 5.0157e+00],
[2.0458e+20, 2.2062e+02, 1.4619e+01, 2.5892e+00]]), dtype=torch.float64)
Target: tensor([[3.7501e+01, 8.7269e-02, 1.6882e+00],
[6.4654e+01, 8.7034e-02, 1.6320e+00],
[5.4842e-01, 1.6365e-04, 5.9850e-02],
[1.6182e-01, 1.0316e-05, 1.7268e-02],
[6.0862e+01, 1.1809e+00, 2.7106e+00],
[8.7502e+01, 3.5373e-01, 1.6032e+00],
[7.2354e+01, 1.9497e-01, 1.7888e+00],
[1.9601e+01, 1.1942e-01, 7.3159e-01],
[1.7527e+01, 6.5850e-03, 5.6948e-01],
[6.0489e+01, 1.8496e-01, 1.8390e+00],
[2.3147e+00, 1.2092e-03, 1.5072e-01],
[8.7694e+01, 1.8944e+00, 2.5725e+00],

```

[3.9463e+00, 1.0162e-02, 4.4189e-01],  
 [3.3624e+01, 3.0456e-01, 1.0839e+00],  
 [1.2796e+01, 9.9153e-03, 5.4874e-01],  
 [1.7378e+00, 1.6942e-03, 1.5760e-01],  
 [2.2160e+02, 1.3059e+00, 3.8538e+00],  
 [4.1697e+01, 2.3249e-01, 2.4098e+00],  
 [2.0327e-01, 1.1132e-05, 1.9890e-02],  
 [3.9940e-02, 1.5633e-06, 5.9446e-03],  
 [1.0625e+01, 1.0587e-02, 4.9737e-01],  
 [5.9069e+01, 4.6178e-01, 2.3593e+00],  
 [1.6266e+00, 2.5415e-03, 1.6015e-01],  
 [4.8965e+00, 4.6333e-03, 3.8936e-01],  
 [3.1505e+01, 1.5387e-02, 1.2870e+00],  
 [1.7067e+01, 5.4911e-02, 7.6876e-01],  
 [1.2634e+01, 5.3341e-03, 6.9659e-01],  
 [6.3355e-02, 2.5637e-06, 8.3187e-03],  
 [2.9586e-01, 2.8834e-05, 2.9205e-02],  
 [1.4853e+01, 7.1543e-03, 8.6801e-01],  
 [5.1540e+00, 2.6476e-03, 2.5359e-01],  
 [1.3348e+00, 4.7834e-04, 1.0653e-01],  
 [3.5702e-01, 8.7587e-06, 4.2447e-02],  
 [2.6874e+01, 4.4322e-02, 2.2056e+00],  
 [5.6645e+00, 8.3575e-03, 3.3442e-01],  
 [5.4910e+00, 6.4718e-03, 2.9630e-01],  
 [2.2475e+02, 7.3131e+00, 4.3936e+00],  
 [1.9637e-02, 3.0022e-07, 2.9978e-03],  
 [1.1986e+02, 3.1055e-01, 3.7527e+00],  
 [9.7917e-01, 2.1795e-04, 8.4686e-02],  
 [5.8136e-01, 1.3888e-04, 6.5106e-02],  
 [1.6702e-01, 4.3332e-06, 1.8669e-02],  
 [9.6907e+00, 2.1121e-02, 7.2485e-01],  
 [1.6081e+00, 4.0690e-04, 1.5655e-01],  
 [1.4880e-01, 7.9176e-06, 1.8423e-02],  
 [3.5165e-01, 1.9567e-05, 3.4430e-02],  
 [1.2571e+01, 1.6835e-02, 6.5757e-01],  
 [3.2451e+01, 3.8529e-01, 1.3680e+00],  
 [1.5691e+01, 2.9555e-02, 1.0441e+00],  
 [1.6702e+01, 1.7067e-02, 1.3855e+00],  
 [5.1332e-02, 3.9856e-07, 6.9533e-03],  
 [7.2035e+00, 1.1862e-02, 4.4476e-01],  
 [3.9875e-02, 7.7674e-07, 5.2910e-03],  
 [1.4531e+02, 3.9420e+00, 4.4459e+00],  
 [3.9731e+01, 7.4306e-02, 2.1117e+00],  
 [1.7652e-02, 5.5520e-08, 2.5757e-03],  
 [1.7037e+00, 4.7017e-04, 1.4860e-01],  
 [5.3666e+01, 4.7988e-01, 2.0254e+00],  
 [1.8691e+01, 9.3795e-02, 8.7492e-01],  
 [1.4781e+00, 7.3855e-04, 1.2749e-01],



[4.9371e+00, 6.9644e-03, 4.2457e-01],  
[1.1785e+01, 1.7043e-02, 8.0981e-01],  
[7.6852e-01, 3.1509e-04, 6.8974e-02],  
[2.1920e-03, 4.6023e-09, 3.4875e-04],  
[3.5187e+00, 2.8421e-03, 1.8888e-01],  
[1.8161e+01, 7.5664e-02, 1.3896e+00],  
[3.6174e-02, 1.2812e-07, 5.2581e-03],  
[3.3223e+01, 1.4181e-01, 1.1143e+00],  
[1.3008e+02, 1.2603e+00, 3.4231e+00],  
[2.2491e-01, 1.4347e-05, 2.8607e-02],  
[2.4445e+02, 1.3016e+01, 5.0270e+00],  
[4.4459e+01, 1.5445e-01, 1.1963e+00],  
[5.1857e+01, 5.2546e-02, 1.4831e+00],  
[6.1075e+01, 3.2966e-02, 2.6452e+00],  
[8.5662e+01, 7.6803e-01, 1.4329e+00],  
[8.0733e+01, 1.1218e+00, 3.0564e+00],  
[2.3088e+01, 7.7581e-02, 6.3255e-01],  
[6.9589e+01, 3.4406e-01, 1.6161e+00],  
[2.5046e-01, 2.2553e-05, 2.9492e-02],  
[1.5230e+02, 4.9252e+00, 3.7781e+00],  
[1.1838e+01, 3.1625e-02, 4.3001e-01],  
[4.3965e+01, 4.4384e-02, 2.9491e+00],  
[2.9430e+01, 1.3364e-01, 9.2832e-01],  
[4.8498e-01, 3.0028e-05, 4.1272e-02],  
[1.8785e-01, 1.6482e-05, 2.5312e-02],  
[5.2998e-01, 5.2723e-05, 5.1098e-02],  
[6.7687e+00, 1.4515e-02, 4.5102e-01],  
[1.2389e+01, 3.7331e-02, 7.3681e-01],  
[1.3941e+01, 3.3403e-03, 5.8603e-01],  
[8.8459e-01, 2.5141e-04, 7.5073e-02],  
[5.0934e-01, 1.5958e-04, 5.0348e-02],  
[1.8550e+00, 1.1175e-03, 1.7915e-01],  
[1.3469e-02, 1.5278e-07, 1.9773e-03],  
[5.8395e+00, 6.4066e-03, 2.9958e-01],  
[5.9848e+01, 9.1385e-02, 2.7646e+00],  
[1.8343e+02, 5.2463e-01, 3.2873e+00],  
[1.1725e+01, 6.9770e-03, 4.3062e-01],  
[2.6510e+01, 2.3685e-02, 1.2979e+00],  
[5.0137e+00, 2.1117e-04, 2.5682e-01],  
[6.1500e+00, 1.2103e-02, 5.0139e-01],  
[1.8289e+00, 6.3126e-04, 1.3778e-01],  
[1.1593e+01, 4.3258e-02, 7.6808e-01],  
[2.4491e+00, 2.0416e-03, 2.4090e-01],  
[1.9131e+01, 3.1166e-02, 5.7295e-01],  
[4.4849e+00, 5.3556e-03, 5.7265e-01],  
[1.5253e+02, 2.2266e+00, 4.0956e+00],  
[4.1427e-02, 6.2131e-07, 5.8061e-03],  
[1.1657e+01, 3.4396e-03, 7.7158e-01],

[9.3413e+01, 3.3579e-01, 2.4333e+00],  
 [2.0962e+01, 3.4371e-02, 6.2329e-01],  
 [6.5079e-01, 6.5525e-05, 6.9102e-02],  
 [6.4384e-01, 1.6817e-05, 5.3849e-02],  
 [1.8486e-01, 2.2041e-05, 2.2368e-02],  
 [2.6828e+01, 6.6507e-02, 9.6903e-01],  
 [2.0974e+02, 3.1331e+00, 4.2925e+00],  
 [5.9575e+01, 4.4980e-01, 1.2294e+00],  
 [7.2555e+01, 2.1752e-01, 3.1252e+00],  
 [1.1604e+01, 5.7536e-02, 8.1575e-01],  
 [7.3687e+01, 1.5714e+00, 1.8891e+00],  
 [6.8282e+00, 2.0508e-02, 3.9973e-01],  
 [1.3123e+01, 1.6343e-02, 4.1719e-01],  
 [6.5879e-03, 7.2059e-08, 1.0066e-03],  
 [1.6779e+01, 1.6907e-01, 1.5203e+00],  
 [2.4053e-01, 5.9651e-05, 3.2253e-02],  
 [3.7731e-02, 2.2106e-07, 5.0805e-03],  
 [8.8767e+00, 1.9995e-02, 5.1875e-01],  
 [3.6474e+01, 5.0490e-02, 9.9482e-01],  
 [8.2625e-01, 1.3816e-04, 6.8097e-02],  
 [3.5644e+01, 1.5448e-01, 2.1499e+00],  
 [6.9306e+01, 1.7861e+00, 3.7314e+00],  
 [2.3239e+02, 3.7281e+00, 4.4947e+00],  
 [6.9866e-01, 2.9502e-04, 9.2933e-02],  
 [4.1781e-02, 8.2274e-07, 6.0945e-03],  
 [1.4549e+02, 2.9281e+00, 3.8853e+00],  
 [3.7141e+00, 2.9960e-03, 2.3985e-01],  
 [2.2783e+02, 3.0981e+00, 4.5156e+00],  
 [7.0757e-01, 1.3591e-04, 7.3139e-02],  
 [9.3326e+01, 2.7454e+00, 2.8772e+00],  
 [7.0188e+00, 2.0240e-03, 7.1045e-01],  
 [1.4853e+01, 5.2973e-02, 5.5217e-01],  
 [2.0313e+00, 8.5594e-04, 1.3639e-01],  
 [1.9290e-01, 7.5938e-06, 1.9261e-02],  
 [3.2788e+00, 6.1551e-03, 2.4329e-01],  
 [3.3908e+01, 1.2122e-01, 1.6613e+00],  
 [4.4019e-02, 1.8092e-07, 6.2375e-03],  
 [1.0913e+00, 3.8726e-04, 9.8537e-02],  
 [3.1884e-01, 2.8596e-05, 3.9964e-02],  
 [1.1885e+01, 1.5666e-02, 7.9115e-01],  
 [3.1785e+00, 3.8566e-03, 2.1091e-01],  
 [1.2258e+02, 2.7041e+00, 2.6547e+00],  
 [8.8906e+00, 1.3419e-02, 4.8368e-01],  
 [1.1033e+00, 2.4694e-04, 1.4987e-01],  
 [2.4036e+00, 4.6556e-03, 2.3993e-01],  
 [1.8085e-01, 1.6494e-05, 2.0210e-02],  
 [1.3759e+00, 9.4531e-05, 1.5955e-01],  
 [9.5260e+01, 1.7961e+00, 2.4615e+00],

[1.6138e-01, 1.0556e-05, 1.7614e-02],  
 [1.9606e+02, 3.9264e+00, 4.8321e+00],  
 [7.7091e+01, 9.5937e-01, 2.0015e+00],  
 [6.4033e+00, 4.6978e-03, 4.3331e-01],  
 [4.2271e+00, 2.1201e-03, 4.5113e-01],  
 [2.1463e-01, 1.7630e-05, 2.7940e-02],  
 [1.4768e+00, 4.9613e-05, 9.6011e-02],  
 [1.4449e+00, 1.5911e-03, 1.4716e-01],  
 [1.4189e+00, 2.1408e-04, 9.2188e-02],  
 [5.2841e-01, 2.7837e-06, 3.8605e-02],  
 [1.1371e+02, 2.3493e+00, 2.6377e+00],  
 [4.0584e+01, 6.1054e-02, 1.8855e+00],  
 [2.2154e+01, 5.5192e-02, 7.4109e-01],  
 [4.9652e+00, 5.7582e-03, 2.6623e-01],  
 [1.0496e+00, 7.3843e-05, 8.6394e-02],  
 [6.1916e+01, 2.1631e-01, 2.0126e+00],  
 [1.3065e+02, 4.0656e+00, 3.3700e+00],  
 [4.9118e-02, 2.1478e-06, 7.2556e-03],  
 [2.9256e+00, 1.8469e-03, 2.6805e-01],  
 [1.3301e+01, 1.7851e-02, 9.6073e-01],  
 [7.9243e-01, 2.5177e-04, 7.0589e-02],  
 [2.8524e+01, 1.6131e-01, 8.2654e-01],  
 [2.3763e+01, 1.1376e-01, 9.2105e-01],  
 [2.2464e-01, 1.3235e-05, 2.9193e-02],  
 [6.9978e+01, 6.1397e-01, 2.3565e+00],  
 [6.3004e-01, 1.2982e-04, 5.5362e-02],  
 [3.3999e+01, 2.9441e-01, 1.0005e+00],  
 [7.1658e+01, 1.0449e+00, 1.9231e+00],  
 [5.6536e+01, 9.8295e-01, 2.6698e+00],  
 [5.8736e-01, 6.2140e-06, 3.9690e-02],  
 [9.1501e+01, 8.5766e-01, 2.4880e+00],  
 [2.8805e+01, 1.6626e-01, 8.3037e-01],  
 [3.8667e+00, 3.0065e-03, 3.5866e-01],  
 [2.6159e+01, 9.2824e-02, 1.3695e+00],  
 [3.0158e+01, 4.0300e-02, 1.9525e+00],  
 [5.4144e+00, 1.3729e-02, 4.2257e-01],  
 [1.4233e+01, 6.6923e-02, 9.8738e-01],  
 [1.1369e+02, 2.1910e+00, 2.3481e+00],  
 [9.9270e+00, 6.1787e-03, 7.5101e-01],  
 [7.9184e+01, 4.3828e-01, 3.0047e+00],  
 [2.1971e+02, 8.0432e+00, 4.1688e+00],  
 [1.9265e+02, 3.7996e-01, 3.7027e+00],  
 [3.6115e+00, 2.5964e-03, 2.0826e-01],  
 [4.0100e+01, 6.8125e-02, 2.7263e+00],  
 [7.3875e-01, 1.5527e-04, 5.3529e-02],  
 [2.6088e+02, 4.3631e+00, 4.3902e+00],  
 [5.0606e+01, 6.4369e-01, 2.9252e+00],  
 [4.0761e+00, 3.3103e-03, 3.0146e-01],

[1.9863e+01, 3.0826e-02, 9.2674e-01],  
[2.8188e-02, 5.2254e-08, 3.9908e-03],  
[6.4484e+00, 4.8171e-03, 4.8350e-01],  
[6.8548e+01, 1.1376e+00, 2.0783e+00],  
[5.1903e+01, 4.3005e-01, 1.8901e+00],  
[7.2916e-01, 3.0153e-05, 4.7501e-02],  
[5.2226e+01, 7.5488e-02, 1.8250e+00],  
[2.6892e-01, 3.2393e-05, 3.4669e-02],  
[5.4144e+00, 1.0680e-02, 3.2729e-01],  
[9.5433e+00, 2.1157e-02, 5.3261e-01],  
[7.5971e+00, 6.1618e-03, 8.6647e-01],  
[1.9011e-01, 2.0758e-05, 2.6459e-02],  
[4.5544e+01, 1.3937e-01, 2.9043e+00],  
[5.6799e+01, 3.5471e-01, 3.2189e+00],  
[9.3470e+01, 5.0312e-01, 2.0182e+00],  
[6.9275e-02, 3.6253e-06, 9.2066e-03],  
[1.8061e+00, 4.5242e-04, 1.0295e-01],  
[6.7662e+01, 1.1038e+00, 3.6363e+00],  
[4.5408e+01, 3.0550e-01, 1.7137e+00],  
[1.8236e+01, 6.1156e-02, 6.9782e-01],  
[1.8967e+00, 1.9485e-04, 1.8727e-01],  
[6.1124e-03, 1.3323e-08, 9.6421e-04],  
[7.0641e+01, 2.3912e-01, 3.4372e+00],  
[3.7251e+00, 2.1032e-03, 3.2669e-01],  
[2.2866e+01, 1.2964e-02, 1.0085e+00],  
[3.2039e+00, 1.6504e-03, 3.2192e-01],  
[1.4342e-01, 6.4887e-06, 1.5935e-02],  
[1.0746e+02, 2.4023e+00, 3.7637e+00],  
[4.4005e-03, 3.1764e-08, 6.8624e-04],  
[3.3864e-01, 6.4070e-05, 3.5570e-02],  
[9.4903e+00, 2.8022e-02, 8.1024e-01],  
[1.6535e+02, 3.7730e+00, 3.2964e+00],  
[3.6639e+00, 1.1475e-02, 3.3271e-01],  
[7.9827e+01, 1.2674e+00, 3.6172e+00],  
[7.5894e-01, 3.2031e-04, 7.7931e-02],  
[1.4168e+01, 3.1845e-02, 8.4948e-01],  
[6.3653e+01, 1.3057e-01, 1.4964e+00],  
[3.1231e+01, 3.2381e-02, 1.9637e+00],  
[1.7150e+02, 3.3682e+00, 3.6575e+00],  
[4.5888e+01, 3.9386e-01, 1.5976e+00],  
[1.0662e+01, 4.3469e-02, 5.0264e-01],  
[5.0096e+00, 7.9811e-03, 4.8521e-01],  
[2.7725e+01, 5.8065e-02, 9.9723e-01],  
[5.4937e+00, 4.9919e-03, 3.6194e-01],  
[3.6730e+01, 8.2884e-02, 2.3618e+00],  
[1.2440e+02, 3.3860e+00, 4.0554e+00],  
[4.2996e+01, 1.7884e-02, 1.7759e+00],  
[2.9118e+01, 7.3796e-02, 1.0940e+00],

[1.8543e+02, 4.4753e+00, 4.0889e+00],  
 [9.7321e+00, 2.1879e-02, 6.8445e-01],  
 [1.3998e+01, 4.6684e-02, 8.4300e-01],  
 [5.4308e-01, 7.3951e-05, 7.6066e-02],  
 [1.6908e-01, 1.0385e-05, 1.9940e-02],  
 [5.9786e+01, 6.4028e-01, 2.1007e+00],  
 [1.3391e+00, 9.6985e-04, 1.2045e-01],  
 [6.5947e-02, 2.8227e-07, 8.8255e-03],  
 [3.8104e-02, 8.2173e-08, 5.8388e-03],  
 [6.4483e-02, 7.5920e-07, 9.6116e-03],  
 [1.6209e+01, 2.2264e-02, 7.7955e-01],  
 [2.1838e+01, 1.7284e-01, 1.5735e+00],  
 [6.5304e+00, 6.4353e-03, 3.6152e-01],  
 [3.0602e+00, 2.7276e-04, 1.6929e-01],  
 [8.2935e-03, 8.5122e-08, 1.2592e-03],  
 [9.1040e-02, 4.0115e-06, 1.0866e-02],  
 [1.0692e+02, 7.4818e-01, 2.3753e+00],  
 [1.0435e+02, 3.9585e+00, 3.7810e+00],  
 [3.2455e+01, 1.4297e-01, 1.3153e+00],  
 [1.5882e+01, 3.4538e-02, 6.1601e-01],  
 [5.3287e+00, 3.1980e-03, 5.9088e-01],  
 [3.3819e+01, 1.5184e-02, 2.1914e+00],  
 [3.7295e-02, 2.3262e-07, 5.1227e-03],  
 [4.4119e-01, 1.0686e-04, 4.1022e-02],  
 [5.3513e+01, 2.3557e-01, 1.9179e+00],  
 [2.7305e-02, 1.8086e-07, 3.8637e-03],  
 [2.8444e+02, 1.1510e+01, 4.8913e+00],  
 [7.8779e+01, 1.0626e+00, 3.3735e+00],  
 [2.7249e+00, 7.5611e-04, 2.2954e-01],  
 [1.0743e-01, 2.4088e-06, 1.2689e-02],  
 [1.7509e+01, 1.6097e-01, 8.7290e-01],  
 [3.9489e+01, 7.9037e-02, 2.4146e+00],  
 [5.8283e-01, 1.4249e-04, 6.6337e-02],  
 [1.8323e+00, 4.7953e-04, 1.3884e-01],  
 [9.1763e+01, 3.0770e-01, 2.4727e+00],  
 [2.5188e+01, 1.0379e-01, 7.6106e-01],  
 [1.6372e+00, 6.2502e-05, 1.1852e-01],  
 [2.7432e-02, 5.4781e-07, 3.9163e-03],  
 [1.4634e+02, 1.1722e+00, 4.3024e+00],  
 [6.7275e+00, 1.0560e-03, 4.1604e-01],  
 [1.4177e+00, 6.1555e-04, 1.4387e-01],  
 [1.2754e+00, 8.4453e-04, 1.2646e-01],  
 [2.0732e+00, 9.0887e-04, 1.9682e-01],  
 [8.5070e-01, 8.7256e-05, 1.0545e-01],  
 [1.0122e-01, 7.6687e-06, 1.3687e-02],  
 [1.1585e+01, 5.8456e-03, 9.6236e-01],  
 [2.0917e-01, 3.1232e-05, 2.9074e-02],  
 [1.1400e+01, 7.0288e-03, 6.8267e-01],

```

[2.5797e-01, 2.0932e-05, 2.3402e-02],
[8.5599e+00, 2.3838e-02, 5.6036e-01],
[5.9932e+01, 3.7877e-01, 3.1124e+00],
[5.6061e-01, 3.8138e-05, 5.7165e-02],
[1.5136e+01, 5.8417e-02, 5.7107e-01],
[8.6676e-01, 3.1981e-04, 1.0158e-01],
[2.3952e+01, 1.1182e-01, 7.9781e-01],
[3.4706e+01, 3.2302e-01, 9.7894e-01],
[1.1260e+02, 1.0069e+00, 4.1855e+00],
[1.3192e+00, 9.3221e-04, 1.3446e-01],
[6.8355e+00, 3.8846e-03, 2.7542e-01],
[8.8602e+01, 2.2769e+00, 3.0975e+00],
[9.6926e+01, 9.4924e-01, 3.5692e+00],
[3.8265e+01, 2.0163e-01, 2.1469e+00],
[6.2382e+01, 3.6268e-01, 3.3960e+00],
[1.2410e-01, 1.2646e-05, 1.4748e-02],
[6.8075e-02, 1.1453e-06, 9.5856e-03],
[1.3416e+02, 8.3733e-01, 3.4079e+00],
[1.4236e+00, 1.2663e-03, 1.8056e-01],
[2.0342e+01, 4.4608e-02, 1.3705e+00]], dtype=torch.float64)
Iteration: 235
Inputs: tensor([[1.4199e+19, 4.5712e+01, 9.3318e+00, 4.8014e+00],
               [7.8733e+19, 1.0660e+02, 1.9561e+01, 5.2953e+00],
               [1.0915e+19, 8.4747e+01, 1.8049e+01, 5.3863e+00],
               ...,
               [4.5323e+18, 2.9332e+02, 3.5289e+00, 9.0468e+00],
               [2.0494e+20, 3.4182e+02, 6.9766e+00, 8.2605e+00],
               [1.5661e+20, 3.2877e+02, 3.0579e+00, 7.6229e+00]], dtype=torch.float64)
Target: tensor([[2.0862e-01, 1.9400e-05, 2.9032e-02],
               [5.2950e+00, 1.4915e-02, 4.9394e-01],
               [2.0930e-01, 3.2918e-05, 2.8592e-02],
               [2.5129e+02, 1.5176e+01, 5.0088e+00],
               [6.3053e+01, 3.3268e-02, 2.0336e+00],
               [2.4972e+01, 6.6666e-02, 1.8761e+00],
               [1.8114e-02, 1.2125e-07, 2.6848e-03],
               [3.0564e+01, 1.0809e-01, 1.4305e+00],
               [3.8216e+01, 4.3629e-01, 1.9761e+00],
               [2.8453e+01, 6.0562e-02, 1.9365e+00],
               [1.3178e+02, 2.1257e+00, 3.1404e+00],
               [1.1523e+01, 4.5321e-02, 6.6719e-01],
               [3.5121e+01, 3.2072e-01, 2.1199e+00],
               [3.8568e+00, 2.6639e-03, 2.3005e-01],
               [1.0209e+02, 1.8742e-01, 3.7371e+00],
               [1.2028e+02, 3.7942e+00, 3.3317e+00],
               [8.2311e+00, 2.4459e-02, 5.3020e-01],
               [5.0385e+00, 6.3770e-03, 3.3008e-01],
               [8.6279e+01, 6.2324e-01, 1.9358e+00],
               [1.9208e+00, 1.0481e-03, 1.4592e-01],

```

[9.4265e-02, 1.3839e-05, 1.3792e-02],  
[5.7761e+01, 3.1474e-01, 1.8843e+00],  
[1.9488e+01, 1.6316e-01, 8.5139e-01],  
[4.2525e+00, 5.2139e-03, 2.9984e-01],  
[1.2424e+00, 1.3726e-03, 1.3991e-01],  
[1.4638e+01, 7.6517e-03, 5.3211e-01],  
[2.6188e+01, 8.2250e-02, 1.0003e+00],  
[2.2873e+02, 1.5746e+00, 4.9058e+00],  
[8.1142e+01, 9.2944e-01, 2.8186e+00],  
[1.2924e+01, 7.4740e-03, 6.3833e-01],  
[9.8458e+01, 2.8857e+00, 2.6180e+00],  
[8.2842e+01, 8.4898e-01, 2.9188e+00],  
[1.4664e+02, 2.6866e+00, 3.3666e+00],  
[3.6035e-01, 4.4712e-05, 3.5765e-02],  
[8.6193e-02, 6.0711e-06, 1.1954e-02],  
[2.0840e+01, 6.6108e-02, 7.6933e-01],  
[2.0871e+01, 1.0179e-01, 1.5261e+00],  
[1.2759e+00, 4.0376e-04, 1.2804e-01],  
[1.2736e+00, 8.4031e-05, 1.0251e-01],  
[1.4042e+02, 7.2058e-01, 3.7378e+00],  
[1.2798e+02, 3.6092e+00, 3.6590e+00],  
[3.2531e+02, 2.9487e+00, 4.7499e+00],  
[7.0246e-02, 1.0388e-06, 8.5812e-03],  
[6.3060e+00, 8.9229e-03, 3.3992e-01],  
[1.4353e+00, 1.5323e-04, 1.5659e-01],  
[7.6821e-02, 1.0111e-06, 1.1167e-02],  
[3.3835e+00, 1.8360e-03, 2.0729e-01],  
[3.0109e+01, 3.4814e-02, 1.6358e+00],  
[6.0971e+01, 9.7613e-02, 1.6015e+00],  
[4.7570e+01, 9.6132e-01, 2.6336e+00],  
[9.7715e-01, 1.4304e-04, 8.6393e-02],  
[1.3413e-01, 1.0386e-06, 1.9579e-02],  
[1.0151e+00, 7.1310e-04, 1.2310e-01],  
[7.6213e+00, 6.6020e-03, 3.2349e-01],  
[3.5433e+01, 1.1018e-01, 1.1527e+00],  
[3.0025e+01, 1.9449e-01, 1.4515e+00],  
[1.1135e+01, 5.8608e-02, 7.7511e-01],  
[5.5153e+01, 1.1896e-01, 3.2618e+00],  
[8.2698e+00, 7.7884e-03, 4.1466e-01],  
[1.8558e+02, 4.0614e+00, 3.5912e+00],  
[5.5122e-01, 7.7515e-05, 5.3370e-02],  
[2.0103e+01, 1.0622e-01, 1.0923e+00],  
[8.6559e-02, 2.7317e-06, 1.2163e-02],  
[1.0391e+01, 1.5305e-02, 9.1188e-01],  
[7.2837e-01, 2.2807e-04, 5.7984e-02],  
[1.0971e+01, 2.1923e-02, 7.6752e-01],  
[1.7507e+02, 4.8436e+00, 4.4516e+00],  
[3.4492e+00, 3.9716e-03, 2.3513e-01],

[1.1809e+02, 5.4808e-01, 2.4141e+00],  
 [3.9544e+00, 2.5217e-04, 2.2664e-01],  
 [3.1601e+01, 9.9097e-02, 9.1961e-01],  
 [8.5533e+01, 7.0545e-01, 2.5321e+00],  
 [5.6660e-01, 5.8134e-05, 6.1094e-02],  
 [3.0140e+01, 3.5141e-01, 1.0794e+00],  
 [1.5110e+01, 1.1722e-01, 7.1988e-01],  
 [6.4269e+00, 6.7250e-03, 4.2460e-01],  
 [4.6698e-01, 5.8486e-05, 3.6213e-02],  
 [2.4250e-01, 3.3212e-05, 2.3966e-02],  
 [2.7550e-04, 1.8267e-11, 4.5235e-05],  
 [3.3311e+00, 2.7016e-03, 3.6756e-01],  
 [2.9150e+01, 1.7453e-01, 1.3545e+00],  
 [2.3026e+02, 3.0915e+00, 4.3989e+00],  
 [4.8041e+01, 1.3296e-01, 1.2511e+00],  
 [7.2091e+01, 8.3109e-01, 2.2965e+00],  
 [1.5522e+01, 1.3608e-02, 5.5953e-01],  
 [4.2102e-01, 3.3329e-05, 4.5195e-02],  
 [1.5115e+02, 3.2545e+00, 3.4016e+00],  
 [1.5367e-02, 4.5357e-08, 2.2652e-03],  
 [3.1414e+02, 4.2133e+00, 4.5267e+00],  
 [6.2184e+00, 1.4664e-02, 3.1750e-01],  
 [2.5621e-02, 1.2925e-07, 3.7766e-03],  
 [5.2639e-01, 2.5595e-05, 4.2717e-02],  
 [1.0029e+02, 1.5168e+00, 2.3927e+00],  
 [2.0396e+01, 1.2745e-01, 1.0191e+00],  
 [1.3756e+00, 4.5676e-04, 1.3111e-01],  
 [2.1041e+01, 1.0485e-01, 1.3911e+00],  
 [1.8081e+02, 4.0956e+00, 3.3637e+00],  
 [2.2920e+01, 1.4534e-01, 8.8981e-01],  
 [7.1286e-02, 2.6408e-06, 9.3090e-03],  
 [4.5829e+01, 3.9027e-01, 1.4483e+00],  
 [7.2192e-01, 1.8446e-05, 5.8225e-02],  
 [2.7289e-01, 8.8013e-05, 3.4870e-02],  
 [1.9238e-03, 1.4687e-09, 3.0905e-04],  
 [2.0093e+02, 8.2451e-01, 4.1367e+00],  
 [1.7393e+02, 5.7124e+00, 3.6082e+00],  
 [1.2773e+02, 3.5491e+00, 2.6933e+00],  
 [5.2752e+01, 9.7112e-01, 1.5478e+00],  
 [2.2415e+01, 1.0349e-01, 8.7952e-01],  
 [1.7404e+01, 9.8872e-02, 1.1443e+00],  
 [4.3940e+01, 4.5852e-01, 1.5188e+00],  
 [3.4451e+01, 2.2772e-02, 1.5604e+00],  
 [3.4860e+01, 5.8993e-02, 1.0908e+00],  
 [8.1448e-01, 2.1357e-04, 9.6180e-02],  
 [1.1149e+01, 2.2691e-02, 6.2074e-01],  
 [1.9829e+01, 8.7175e-02, 1.1607e+00],  
 [6.8969e-01, 2.5489e-04, 6.7931e-02],



[9.6515e+00, 8.0856e-03, 6.5126e-01],  
[4.6973e+01, 3.5731e-01, 1.7802e+00],  
[2.2570e+00, 1.0137e-03, 1.3515e-01],  
[3.3637e+00, 2.6569e-04, 2.1617e-01],  
[1.2865e+01, 3.3468e-02, 7.6788e-01],  
[1.2615e+00, 4.2456e-04, 1.2818e-01],  
[5.6090e-01, 7.0377e-05, 5.6129e-02],  
[6.6751e+00, 4.7093e-03, 4.6631e-01],  
[4.1203e-02, 1.6647e-06, 6.0278e-03],  
[1.8743e+00, 2.0259e-03, 1.8509e-01],  
[4.2241e+01, 2.4296e-01, 1.9237e+00],  
[9.1014e+01, 5.8239e-01, 2.7587e+00],  
[1.4515e+01, 6.3351e-02, 6.3351e-01],  
[7.4435e+01, 2.2756e-01, 3.6453e+00],  
[9.8839e+00, 2.7899e-02, 5.0887e-01],  
[4.9152e+01, 5.2806e-01, 2.4459e+00],  
[5.4564e+01, 4.8299e-01, 2.0664e+00],  
[2.8304e+00, 2.2662e-04, 2.0608e-01],  
[6.4173e+01, 7.6452e-01, 2.4852e+00],  
[1.2493e+01, 2.5148e-02, 6.3163e-01],  
[5.5264e+00, 4.5364e-03, 6.3580e-01],  
[5.8438e-01, 6.5772e-05, 5.4788e-02],  
[7.7697e+01, 1.6045e+00, 2.4250e+00],  
[1.7440e+02, 3.3758e+00, 3.1715e+00],  
[1.3080e-02, 1.4466e-08, 2.0234e-03],  
[3.5449e-01, 1.1057e-04, 5.1042e-02],  
[2.3559e+00, 1.1725e-03, 1.5986e-01],  
[1.8078e+01, 6.2870e-02, 6.5472e-01],  
[9.6215e-01, 3.2586e-04, 1.0135e-01],  
[2.3018e-02, 2.1277e-08, 3.4748e-03],  
[1.0260e+02, 1.6147e+00, 2.4650e+00],  
[9.1590e-01, 2.3261e-04, 8.3195e-02],  
[3.8060e+01, 2.5489e-01, 9.4538e-01],  
[7.9262e+01, 4.0038e-01, 2.2145e+00],  
[1.5461e+00, 7.2253e-04, 1.2000e-01],  
[1.8141e+02, 4.0435e+00, 3.7850e+00],  
[2.3258e+00, 3.0607e-04, 1.7553e-01],  
[2.3422e+01, 5.9469e-02, 7.5050e-01],  
[1.7140e+01, 8.8999e-04, 5.7374e-01],  
[9.6077e+01, 8.4011e-01, 2.3761e+00],  
[4.7890e+01, 4.5891e-01, 1.4885e+00],  
[2.9712e+00, 1.5354e-04, 1.7451e-01],  
[1.7004e-02, 7.3700e-08, 2.5244e-03],  
[5.8269e-01, 3.3110e-05, 5.0581e-02],  
[2.0659e+01, 4.8203e-02, 1.1653e+00],  
[9.6229e-01, 1.6270e-05, 8.8609e-02],  
[2.5050e+00, 6.3076e-04, 1.4481e-01],  
[2.8993e+00, 2.5748e-03, 2.8299e-01],

[4.7519e+01, 7.9133e-01, 1.4348e+00],  
 [2.8407e+00, 2.8163e-04, 1.9212e-01],  
 [1.2476e+01, 5.4991e-02, 7.2310e-01],  
 [2.7991e-02, 2.1000e-07, 4.3468e-03],  
 [1.2648e-01, 9.6686e-06, 1.3926e-02],  
 [8.5068e+01, 5.7578e-01, 2.4452e+00],  
 [1.1149e+01, 2.2832e-02, 6.0631e-01],  
 [2.0628e+01, 5.9808e-02, 8.4096e-01],  
 [3.0622e+00, 2.4171e-03, 2.0035e-01],  
 [7.4832e+00, 9.5890e-03, 5.1629e-01],  
 [7.2299e-01, 5.1734e-04, 8.0283e-02],  
 [1.5139e+00, 2.8955e-04, 1.0378e-01],  
 [6.4018e+00, 4.5534e-03, 5.5984e-01],  
 [1.8060e+00, 2.6588e-03, 1.8329e-01],  
 [1.6979e+00, 6.4824e-04, 1.6900e-01],  
 [7.3099e-01, 1.2038e-04, 9.0420e-02],  
 [2.4505e-01, 2.0402e-06, 2.7816e-02],  
 [1.4525e+01, 2.1155e-02, 1.0787e+00],  
 [3.6609e-01, 2.1413e-05, 4.8344e-02],  
 [8.4191e-01, 4.6359e-04, 9.5226e-02],  
 [7.5865e+01, 9.0259e-01, 2.6433e+00],  
 [6.9162e+00, 6.7334e-03, 3.1179e-01],  
 [3.9906e-03, 1.9857e-08, 6.2333e-04],  
 [6.4063e+01, 1.4496e+00, 3.5834e+00],  
 [2.5278e+00, 1.0225e-03, 1.3835e-01],  
 [6.8317e+01, 8.9900e-01, 2.1406e+00],  
 [1.3074e+01, 3.3272e-02, 8.9991e-01],  
 [1.6090e+00, 6.1708e-04, 1.2754e-01],  
 [4.3578e+00, 1.0596e-02, 3.2766e-01],  
 [3.9994e+01, 3.8993e-01, 1.8188e+00],  
 [3.5111e+00, 3.6680e-03, 3.4546e-01],  
 [1.9798e+00, 6.1993e-04, 1.8573e-01],  
 [1.7358e-01, 3.6623e-05, 2.4327e-02],  
 [4.8178e-03, 2.7922e-08, 7.5862e-04],  
 [1.6296e+01, 1.6390e-01, 1.4972e+00],  
 [6.0312e-02, 6.0983e-07, 7.6867e-03],  
 [7.3665e+01, 4.5196e-01, 1.9183e+00],  
 [4.5182e+00, 3.8638e-03, 2.7036e-01],  
 [6.7340e-02, 1.5392e-06, 9.1420e-03],  
 [1.1314e-01, 4.8871e-06, 1.5821e-02],  
 [1.2394e+01, 1.8001e-02, 1.1314e+00],  
 [1.2543e+00, 4.3313e-04, 1.0527e-01],  
 [3.5340e+01, 1.4283e-01, 1.4471e+00],  
 [1.0358e+01, 4.6856e-02, 9.1730e-01],  
 [1.1612e+01, 2.5516e-02, 6.4189e-01],  
 [5.5872e+00, 1.3715e-02, 3.6597e-01],  
 [2.1354e+00, 8.0967e-04, 1.8603e-01],  
 [7.4333e+00, 4.4930e-03, 3.8725e-01],

[1.4921e-02, 2.1517e-08, 2.2580e-03],  
[5.3642e+00, 6.0603e-04, 2.4133e-01],  
[3.2549e+00, 2.1178e-03, 1.8006e-01],  
[4.9028e+00, 3.6942e-03, 2.6984e-01],  
[1.0003e+02, 8.1010e-01, 4.1055e+00],  
[1.0347e+01, 8.4816e-03, 5.2970e-01],  
[1.0736e+01, 2.4065e-02, 5.4006e-01],  
[5.0327e-01, 2.7643e-05, 5.5483e-02],  
[9.3657e-02, 1.9445e-06, 1.3902e-02],  
[1.2412e-01, 1.7550e-06, 1.6387e-02],  
[4.2120e-01, 3.6666e-05, 3.4352e-02],  
[3.0572e+01, 2.2081e-01, 1.8844e+00],  
[2.5699e+01, 2.4129e-01, 1.2456e+00],  
[1.3055e+02, 7.9759e-01, 2.4856e+00],  
[2.4789e-03, 1.2293e-09, 3.9554e-04],  
[7.6029e+01, 9.1144e-01, 1.9363e+00],  
[3.9447e+01, 9.7926e-01, 2.8664e+00],  
[1.8902e-01, 2.3906e-05, 2.2928e-02],  
[9.5554e+01, 1.9457e+00, 3.2706e+00],  
[2.9744e+01, 3.5646e-01, 1.9363e+00],  
[6.9114e+01, 5.3322e-01, 2.7296e+00],  
[6.1190e+01, 2.3576e-01, 1.5694e+00],  
[1.6232e+00, 6.9564e-04, 1.1953e-01],  
[1.5678e+00, 7.6255e-04, 1.1509e-01],  
[1.9582e+01, 8.9841e-02, 1.6924e+00],  
[4.3237e+01, 1.0606e-01, 1.3713e+00],  
[8.0374e-02, 6.1472e-06, 9.8256e-03],  
[1.2128e+00, 1.7500e-04, 1.2268e-01],  
[4.5181e+00, 2.8841e-03, 2.6299e-01],  
[1.6903e+01, 3.0715e-02, 8.0089e-01],  
[1.9603e+01, 1.2992e-02, 8.0430e-01],  
[4.1270e-01, 6.6082e-05, 5.0731e-02],  
[4.5122e+00, 1.3760e-02, 4.4613e-01],  
[1.3293e+01, 2.8299e-02, 1.1863e+00],  
[6.7362e-01, 1.7151e-04, 7.5557e-02],  
[5.4304e+00, 1.2342e-03, 2.5887e-01],  
[4.7912e+00, 4.8991e-03, 2.8073e-01],  
[1.4274e+02, 3.0672e+00, 4.1058e+00],  
[9.2441e+01, 1.9796e+00, 2.8273e+00],  
[8.2024e-01, 1.5457e-04, 9.6955e-02],  
[2.1713e+01, 2.0851e-02, 7.9107e-01],  
[1.5767e+01, 5.7933e-02, 5.6801e-01],  
[6.0602e-01, 6.7438e-05, 6.4217e-02],  
[1.7619e+02, 3.7308e+00, 4.7440e+00],  
[2.6677e+01, 8.5685e-02, 1.4435e+00],  
[1.8762e+00, 2.6112e-04, 1.2610e-01],  
[3.0738e+01, 1.3154e-01, 1.6960e+00],  
[1.7830e-02, 1.3685e-07, 2.7961e-03],

[2.0668e+01, 3.9775e-02, 1.4879e+00],  
[1.5707e+01, 3.3653e-02, 1.1095e+00],  
[1.3425e+01, 6.8736e-03, 8.9871e-01],  
[2.8651e+00, 1.3072e-04, 1.6301e-01],  
[2.9194e+00, 8.2760e-04, 1.4678e-01],  
[1.5883e+01, 5.2520e-02, 8.3612e-01],  
[6.6681e-02, 2.1823e-07, 8.9232e-03],  
[5.8556e-02, 3.5020e-06, 7.3639e-03],  
[1.7714e+00, 4.4739e-04, 1.9134e-01],  
[2.6593e+00, 1.7662e-03, 1.7432e-01],  
[9.3412e+00, 7.8276e-03, 6.6505e-01],  
[1.6275e+01, 1.0958e-01, 6.6684e-01],  
[2.1878e+01, 5.4698e-02, 1.1700e+00],  
[5.5248e-01, 8.3339e-05, 4.9621e-02],  
[1.4339e+00, 8.9610e-05, 1.2331e-01],  
[7.1605e+01, 4.7653e-01, 2.7064e+00],  
[4.0612e+01, 1.5236e-01, 2.5751e+00],  
[7.7991e+00, 1.3846e-02, 4.6867e-01],  
[1.6754e+00, 6.8599e-04, 1.3555e-01],  
[2.5639e+02, 1.0106e+01, 4.9549e+00],  
[1.8184e+02, 3.8544e+00, 3.7193e+00],  
[6.3652e+01, 3.4707e-01, 3.4694e+00],  
[7.7353e+01, 7.4414e-01, 3.6085e+00],  
[1.1767e+02, 1.4892e+00, 4.2452e+00],  
[1.2833e+01, 4.8745e-02, 1.1221e+00],  
[1.5975e+01, 4.1704e-02, 6.4115e-01],  
[2.7664e+00, 6.2847e-04, 2.5813e-01],  
[3.2939e+00, 1.7362e-03, 2.1961e-01],  
[6.7512e-01, 9.3464e-05, 6.9333e-02],  
[3.8594e+00, 2.2355e-03, 2.4792e-01],  
[2.1705e+01, 7.4998e-02, 1.1701e+00],  
[1.1124e+01, 8.4622e-02, 9.4690e-01],  
[6.1588e-02, 3.3757e-07, 8.7799e-03],  
[1.7939e-01, 9.7440e-06, 2.7331e-02],  
[9.8782e-03, 1.1753e-07, 1.5103e-03],  
[1.1734e+01, 6.6752e-03, 6.3896e-01],  
[1.3742e+02, 1.1988e+00, 2.9831e+00],  
[7.4044e-02, 1.4240e-06, 1.0835e-02],  
[1.8389e+02, 4.6050e+00, 4.7401e+00],  
[4.0508e+00, 2.2544e-03, 2.0144e-01],  
[1.7590e+01, 1.2050e-01, 1.0734e+00],  
[7.1125e+01, 6.9778e-01, 3.3075e+00],  
[1.5556e+00, 9.4276e-04, 1.3044e-01],  
[7.0381e+01, 2.7142e-01, 3.0309e+00],  
[8.8883e+00, 3.1239e-02, 8.8423e-01],  
[1.5038e+00, 3.7628e-05, 1.2824e-01],  
[2.0261e+01, 4.3773e-02, 6.3128e-01],  
[1.2927e+00, 3.0618e-05, 1.0145e-01],

```

[7.8726e+01, 6.5787e-01, 2.0320e+00],
[7.3827e+01, 1.1760e+00, 2.2631e+00],
[4.2006e+01, 2.1697e-01, 1.7166e+00],
[5.5332e+01, 7.1520e-01, 1.8646e+00],
[4.0609e+01, 3.8620e-01, 2.1833e+00],
[2.3530e+01, 4.0820e-02, 1.3879e+00],
[3.2857e+00, 7.1170e-04, 2.1120e-01],
[7.1208e+00, 9.7380e-04, 4.3450e-01],
[1.2581e+01, 2.2380e-02, 1.0496e+00],
[2.1987e+00, 8.1701e-04, 1.3196e-01],
[8.9314e+01, 1.1595e+00, 2.1481e+00],
[8.5161e+01, 6.8122e-01, 1.8705e+00]], dtype=torch.float64)
Iteration: 236
Inputs: tensor([[1.2052e+19, 1.7542e+02, 1.7814e+01, 2.0932e+00],
[2.4009e+20, 2.9735e+02, 1.4150e+01, 6.7836e+00],
[3.5188e+20, 4.0745e+02, 7.5336e+00, 3.7856e+00],
...,
[2.4024e+20, 3.3327e+02, 1.1881e+01, 5.8197e+00],
[6.8612e+18, 1.8291e+02, 1.3744e+01, 7.3394e+00],
[2.5574e+20, 4.4860e+02, 2.6675e+00, 8.7290e+00]], dtype=torch.float64)
Target: tensor([[2.2687e-01, 1.2835e-05, 3.0955e-02],
[6.3864e+01, 7.7371e-01, 2.1876e+00],
[1.0735e+02, 5.6897e-01, 2.8433e+00],
[1.8859e+00, 1.7072e-03, 1.3600e-01],
[3.9789e+01, 1.4933e-01, 1.3615e+00],
[2.1444e+01, 3.9346e-02, 1.0730e+00],
[4.0585e+01, 6.1763e-01, 1.5237e+00],
[8.9776e+00, 2.6721e-02, 4.2818e-01],
[6.1042e+01, 4.7269e-01, 2.9987e+00],
[1.8575e+01, 3.6657e-02, 6.4238e-01],
[1.2171e-01, 1.6798e-06, 1.3675e-02],
[1.0236e-01, 8.1088e-06, 1.2571e-02],
[1.1501e-01, 1.2092e-05, 1.2856e-02],
[1.0855e+00, 9.5766e-04, 1.2541e-01],
[2.2236e-02, 9.0952e-08, 3.4811e-03],
[3.7315e+00, 2.9360e-03, 3.6041e-01],
[1.5737e+01, 6.3402e-02, 1.0693e+00],
[9.4443e+01, 2.1062e+00, 2.3287e+00],
[3.9299e-01, 9.6014e-05, 4.3621e-02],
[6.1384e+00, 2.8983e-03, 5.1838e-01],
[7.4901e-01, 1.7559e-04, 7.3687e-02],
[2.4314e+00, 7.0533e-04, 1.8478e-01],
[1.4393e+02, 1.4408e+00, 2.9198e+00],
[4.1516e+01, 3.2545e-01, 1.5897e+00],
[4.1071e-01, 9.9196e-05, 3.9085e-02],
[1.4876e+01, 5.8682e-02, 1.2843e+00],
[5.8228e+01, 5.9533e-01, 2.4767e+00],
[3.9713e+00, 1.6981e-04, 2.4678e-01],

```

[4.4696e-02, 5.2315e-07, 6.8301e-03],  
 [1.3161e+02, 1.4388e+00, 4.0509e+00],  
 [1.3946e+00, 4.8196e-04, 1.2757e-01],  
 [4.9496e+01, 8.8656e-02, 1.0707e+00],  
 [5.7399e-01, 6.8130e-05, 5.2109e-02],  
 [2.5800e+00, 1.1173e-03, 2.2540e-01],  
 [7.5444e+01, 8.6300e-02, 3.2740e+00],  
 [3.1693e+01, 9.9006e-02, 2.0495e+00],  
 [2.6498e+01, 5.1543e-02, 7.9059e-01],  
 [2.3892e-01, 1.2643e-05, 2.9045e-02],  
 [4.5124e-01, 1.3296e-04, 4.3783e-02],  
 [3.0382e-01, 2.0527e-05, 3.4239e-02],  
 [5.1217e-02, 6.4208e-07, 6.7535e-03],  
 [7.0423e-01, 1.5662e-04, 7.3203e-02],  
 [2.9968e-01, 3.1822e-05, 3.0375e-02],  
 [2.9936e-02, 2.5114e-07, 4.2465e-03],  
 [1.4570e+01, 1.9769e-02, 5.8694e-01],  
 [5.7635e+00, 7.9824e-03, 3.9637e-01],  
 [9.0642e+00, 2.3182e-02, 5.1058e-01],  
 [2.1913e+00, 3.3068e-04, 1.7032e-01],  
 [2.0662e+02, 4.4796e+00, 4.4362e+00],  
 [8.9962e+01, 1.8568e+00, 2.4648e+00],  
 [1.1477e+02, 1.5209e+00, 4.2157e+00],  
 [2.2332e+00, 8.2079e-04, 1.4175e-01],  
 [6.0946e+01, 4.1962e-01, 1.7137e+00],  
 [1.7015e+00, 7.5504e-04, 1.0267e-01],  
 [9.3061e-03, 3.5031e-08, 1.4555e-03],  
 [4.5025e+00, 8.2939e-03, 3.2938e-01],  
 [3.2837e-01, 2.8308e-05, 4.5743e-02],  
 [3.8234e+01, 1.1080e-01, 1.2086e+00],  
 [1.9094e+01, 8.4024e-03, 5.3246e-01],  
 [3.3365e-01, 8.9610e-05, 4.2990e-02],  
 [1.1655e+01, 9.8745e-03, 7.3434e-01],  
 [1.6303e+00, 3.0483e-04, 1.7081e-01],  
 [1.1699e+01, 6.4449e-03, 6.9207e-01],  
 [1.7749e+01, 1.9140e-02, 8.1219e-01],  
 [2.8985e-01, 1.8536e-05, 3.0862e-02],  
 [9.4975e+01, 2.1106e-01, 3.2461e+00],  
 [3.3067e+00, 2.1359e-03, 1.8544e-01],  
 [3.8935e-01, 1.0444e-05, 3.5030e-02],  
 [5.1233e+00, 1.0689e-03, 4.4510e-01],  
 [6.3897e+01, 7.7629e-01, 3.4865e+00],  
 [2.1610e+01, 5.8294e-03, 1.2399e+00],  
 [1.4224e-01, 3.9349e-06, 1.6745e-02],  
 [3.6373e+01, 9.2103e-02, 8.5670e-01],  
 [1.3493e+01, 5.3086e-02, 9.4046e-01],  
 [9.8981e-01, 9.2071e-05, 5.2784e-02],  
 [2.4362e+01, 8.6971e-02, 1.2050e+00],

[7.7007e-01, 1.2983e-04, 5.7527e-02],  
 [1.3657e-01, 7.6322e-06, 1.7256e-02],  
 [1.1607e+01, 2.3816e-02, 4.6681e-01],  
 [3.1716e-01, 4.1319e-05, 2.9178e-02],  
 [7.6360e+01, 1.2931e-01, 1.8650e+00],  
 [2.1984e+01, 7.5633e-02, 1.1788e+00],  
 [1.2170e+00, 4.0911e-04, 1.3276e-01],  
 [1.9486e-01, 3.0572e-06, 2.3341e-02],  
 [8.0461e-01, 1.6236e-04, 6.0406e-02],  
 [1.7615e-02, 2.9312e-07, 2.5538e-03],  
 [2.8541e+01, 3.4605e-01, 1.2574e+00],  
 [1.5287e+01, 1.6212e-03, 9.1550e-01],  
 [1.4195e+01, 5.3347e-02, 9.4255e-01],  
 [1.4063e-01, 2.5819e-06, 2.0022e-02],  
 [1.2804e-01, 1.7928e-05, 1.7382e-02],  
 [9.9752e-02, 2.7056e-06, 1.1842e-02],  
 [6.4559e-02, 3.1726e-07, 8.5418e-03],  
 [7.6089e+01, 2.9289e-01, 2.1828e+00],  
 [1.1352e-02, 9.2798e-08, 1.7178e-03],  
 [3.3669e+01, 2.3833e-02, 1.6318e+00],  
 [1.0647e+01, 4.5727e-03, 6.0132e-01],  
 [1.7625e-01, 1.9733e-05, 2.1275e-02],  
 [6.5670e-01, 9.4724e-05, 8.0766e-02],  
 [5.4131e-02, 7.9776e-07, 7.7233e-03],  
 [1.3609e+02, 3.5961e+00, 3.6136e+00],  
 [1.5787e-03, 1.1862e-09, 2.5324e-04],  
 [4.3138e-01, 8.1854e-06, 4.2844e-02],  
 [1.2925e+02, 3.8436e+00, 4.2153e+00],  
 [2.7196e+01, 1.2785e-01, 8.3324e-01],  
 [7.2410e+01, 1.8837e-01, 3.1689e+00],  
 [1.3993e+02, 6.1606e+00, 3.2141e+00],  
 [1.5388e+01, 2.2865e-02, 6.9348e-01],  
 [2.3311e+01, 1.1162e-01, 9.0142e-01],  
 [6.1417e-02, 1.2716e-06, 8.7018e-03],  
 [1.0267e+02, 2.7860e+00, 3.7692e+00],  
 [2.7806e+00, 8.9731e-04, 2.1978e-01],  
 [8.2416e+00, 2.3254e-02, 4.0608e-01],  
 [9.4478e-02, 7.4686e-07, 1.1978e-02],  
 [3.4167e+01, 4.4645e-01, 1.0986e+00],  
 [2.9312e+01, 4.5860e-02, 1.3717e+00],  
 [8.5087e+01, 5.4621e-02, 2.8712e+00],  
 [5.1614e+01, 5.9060e-02, 1.1087e+00],  
 [1.2017e+02, 1.3620e+00, 3.1250e+00],  
 [2.6761e+01, 5.3467e-02, 1.6066e+00],  
 [8.6913e+01, 7.8598e-01, 1.8942e+00],  
 [2.8128e+01, 1.7051e-01, 1.9013e+00],  
 [7.0413e-01, 1.2438e-04, 8.1648e-02],  
 [1.7153e+00, 4.0556e-05, 1.1561e-01],

[8.9669e-02, 1.6196e-06, 1.3120e-02],  
[2.8171e+00, 1.4640e-03, 2.0650e-01],  
[9.1411e+01, 9.9320e-01, 1.8363e+00],  
[1.0466e-01, 1.4541e-06, 1.2142e-02],  
[5.1841e+01, 7.1382e-01, 1.5201e+00],  
[2.3122e+01, 1.4508e-01, 7.4788e-01],  
[1.9906e+00, 4.3506e-04, 1.6952e-01],  
[3.5655e+01, 9.3423e-02, 2.4554e+00],  
[1.0423e+02, 1.7669e-01, 2.5775e+00],  
[9.6765e+01, 1.3873e+00, 2.2274e+00],  
[2.2594e+00, 1.2238e-03, 2.6800e-01],  
[5.4115e-01, 1.9359e-04, 6.8500e-02],  
[4.6414e+01, 8.8590e-02, 3.1538e+00],  
[1.1689e+02, 3.8377e+00, 3.0793e+00],  
[5.3394e-02, 1.3284e-06, 7.2764e-03],  
[4.7596e+01, 3.0917e-01, 1.6060e+00],  
[2.7923e+01, 4.2335e-02, 1.9013e+00],  
[1.8980e+01, 4.3519e-02, 9.9406e-01],  
[1.3155e+01, 1.2980e-02, 1.1874e+00],  
[1.3448e+02, 3.4963e+00, 3.1082e+00],  
[5.6410e+01, 3.9704e-01, 1.8062e+00],  
[1.7523e+01, 3.6422e-02, 1.3954e+00],  
[2.4024e+01, 1.5112e-01, 1.1587e+00],  
[1.7296e+02, 4.0679e+00, 3.3027e+00],  
[8.1543e-02, 5.5635e-06, 1.0533e-02],  
[1.7500e+02, 2.5790e+00, 3.0278e+00],  
[3.0696e+01, 5.3975e-02, 1.8327e+00],  
[4.7465e-03, 5.1702e-09, 7.7122e-04],  
[1.4403e+01, 3.4225e-02, 1.1526e+00],  
[4.8675e-01, 1.2350e-04, 4.7423e-02],  
[1.8112e+01, 4.8218e-02, 7.5456e-01],  
[1.8351e+00, 1.8459e-03, 1.5198e-01],  
[1.9733e-01, 6.9976e-07, 2.0748e-02],  
[1.2043e+01, 2.0102e-02, 4.8257e-01],  
[2.3375e+01, 7.6744e-02, 9.5411e-01],  
[4.5255e-01, 2.6680e-05, 5.1003e-02],  
[2.9612e-03, 8.0739e-09, 4.6560e-04],  
[1.1464e+02, 2.9167e+00, 2.4129e+00],  
[4.6282e-01, 1.1062e-04, 4.2760e-02],  
[1.2596e-02, 1.5752e-07, 1.9444e-03],  
[5.4480e+01, 5.9000e-02, 1.8190e+00],  
[1.7987e+00, 1.6240e-03, 2.0080e-01],  
[1.5759e+00, 3.3066e-04, 8.7288e-02],  
[4.2778e+01, 1.6772e-01, 1.5094e+00],  
[1.7106e+02, 2.3353e+00, 3.4675e+00],  
[1.9267e+00, 4.6556e-05, 1.0766e-01],  
[9.8740e+01, 1.3000e+00, 4.1779e+00],  
[1.7746e+02, 6.1904e+00, 3.9674e+00],



[1.8788e+02, 3.2752e+00, 4.0604e+00],  
[1.2378e+02, 2.3718e-01, 3.9734e+00],  
[4.7073e+01, 3.4670e-02, 1.4787e+00],  
[9.4762e-01, 6.9958e-05, 1.1159e-01],  
[1.2057e-02, 6.3495e-08, 1.9074e-03],  
[1.8564e-01, 2.7467e-06, 2.2276e-02],  
[1.0350e+00, 7.0291e-04, 1.0864e-01],  
[1.6835e-01, 1.2565e-06, 1.7852e-02],  
[1.6469e+00, 2.4053e-04, 1.6663e-01],  
[3.4236e-01, 2.0631e-05, 5.1698e-02],  
[4.8507e+00, 1.1804e-02, 3.7760e-01],  
[2.3129e-02, 5.9804e-08, 3.4800e-03],  
[3.2224e+02, 1.0539e+01, 4.4423e+00],  
[5.7488e+01, 3.0373e-01, 1.5606e+00],  
[4.9995e+00, 6.7250e-04, 2.3715e-01],  
[1.8107e+00, 2.0621e-04, 1.9863e-01],  
[2.6330e+00, 5.6956e-04, 1.9041e-01],  
[1.3705e+01, 2.3608e-02, 7.3686e-01],  
[2.2744e+00, 1.3525e-03, 1.8317e-01],  
[1.3434e+02, 9.5466e-01, 3.2614e+00],  
[4.7570e+01, 6.1188e-01, 1.7668e+00],  
[1.9125e+01, 3.1589e-02, 6.6253e-01],  
[6.4870e-02, 4.4891e-06, 9.8010e-03],  
[2.1185e+00, 4.1825e-04, 1.8772e-01],  
[5.1559e+01, 5.6204e-01, 1.8304e+00],  
[2.7027e+01, 1.8972e-01, 1.2396e+00],  
[3.3681e+01, 1.7035e-02, 1.3723e+00],  
[6.9357e-01, 2.9947e-06, 4.7480e-02],  
[7.9689e-01, 3.1004e-04, 7.0164e-02],  
[1.4613e+01, 8.8396e-03, 8.8054e-01],  
[2.2239e+01, 2.3865e-02, 8.7053e-01],  
[3.5295e+00, 1.6898e-03, 1.6875e-01],  
[5.8997e-02, 4.0681e-06, 8.5922e-03],  
[7.0339e+00, 1.1965e-02, 4.1120e-01],  
[5.1385e+01, 4.9928e-01, 2.2850e+00],  
[7.1917e+01, 1.1956e+00, 2.4942e+00],  
[5.6393e-02, 2.4815e-07, 7.8799e-03],  
[3.9726e+01, 1.7021e-02, 1.1227e+00],  
[2.0205e+02, 6.5014e+00, 4.0187e+00],  
[1.0672e+00, 3.5224e-04, 8.4531e-02],  
[1.9851e-01, 6.8884e-06, 2.2943e-02],  
[1.7830e+02, 2.1797e+00, 4.3967e+00],  
[4.5910e+01, 2.9822e-01, 1.6036e+00],  
[6.2693e-01, 1.1743e-04, 6.1932e-02],  
[4.1455e+01, 2.1723e-01, 2.2063e+00],  
[4.0398e+00, 3.7221e-03, 2.5385e-01],  
[7.6586e+01, 1.6905e+00, 2.5494e+00],  
[1.3097e+01, 2.8138e-02, 8.2094e-01],

[2.6467e+01, 3.7393e-02, 1.0918e+00],  
[6.0339e+00, 8.8436e-04, 3.9684e-01],  
[9.4696e+00, 1.2436e-02, 5.5398e-01],  
[7.7982e+00, 4.5673e-03, 4.7140e-01],  
[3.1332e-02, 1.5502e-06, 4.6601e-03],  
[6.5484e-02, 3.6874e-06, 8.1859e-03],  
[1.4086e+00, 3.4724e-04, 9.7208e-02],  
[2.4032e-01, 1.8855e-05, 2.7378e-02],  
[6.7691e+00, 2.6210e-03, 2.9013e-01],  
[4.9285e+00, 1.0402e-02, 3.3019e-01],  
[7.6709e-01, 2.2457e-04, 8.3060e-02],  
[4.5948e-02, 1.8049e-06, 6.6066e-03],  
[9.0692e+00, 2.7735e-02, 6.9948e-01],  
[3.5751e+01, 4.4199e-01, 2.3312e+00],  
[5.7040e+01, 2.0077e-01, 2.8269e+00],  
[1.0437e+01, 1.5079e-02, 8.1548e-01],  
[1.4105e-01, 7.3596e-06, 1.8803e-02],  
[1.2051e+00, 4.6897e-04, 8.9289e-02],  
[1.1905e+00, 8.9219e-05, 8.2377e-02],  
[2.6795e-03, 2.1475e-09, 4.2441e-04],  
[1.2682e+00, 1.8051e-04, 1.0813e-01],  
[4.2113e+01, 5.5653e-02, 1.5328e+00],  
[3.0991e+01, 1.5950e-01, 1.3413e+00],  
[4.4495e+01, 2.2750e-01, 2.6425e+00],  
[1.1892e+02, 1.5493e+00, 3.1833e+00],  
[9.5514e+01, 3.1611e+00, 3.7933e+00],  
[8.9779e-01, 9.3361e-05, 1.0441e-01],  
[8.5357e-01, 2.0324e-04, 9.9461e-02],  
[3.9439e-01, 1.0933e-04, 4.3375e-02],  
[5.2904e+01, 2.0133e-01, 2.1071e+00],  
[3.0851e+01, 4.5425e-02, 1.2843e+00],  
[2.4496e+00, 1.7225e-03, 2.0793e-01],  
[1.2523e+01, 2.8590e-02, 4.7101e-01],  
[6.3643e-01, 1.0252e-04, 7.4768e-02],  
[1.2672e+02, 1.3608e+00, 3.3483e+00],  
[1.1092e-02, 7.2422e-08, 1.7433e-03],  
[3.4000e-01, 2.6306e-05, 3.4662e-02],  
[1.1659e+02, 5.9310e-01, 4.0483e+00],  
[2.6758e+01, 3.5415e-02, 7.6579e-01],  
[5.5869e+01, 1.6352e-01, 1.1104e+00],  
[4.2152e-01, 3.3515e-05, 6.3859e-02],  
[5.3575e+00, 1.5654e-03, 4.5190e-01],  
[4.9271e-01, 1.4329e-04, 5.1646e-02],  
[4.2812e-01, 4.2984e-05, 5.4175e-02],  
[8.7319e+00, 3.8914e-03, 4.3670e-01],  
[3.3889e+01, 5.4242e-01, 2.0413e+00],  
[4.2144e+01, 1.7764e-02, 1.8499e+00],  
[6.9618e+01, 9.0302e-02, 1.4107e+00],

[8.5282e-03, 1.2560e-08, 1.3242e-03],  
[2.2613e-01, 2.2550e-05, 2.9651e-02],  
[1.4928e+00, 2.2826e-04, 1.3785e-01],  
[3.6638e+00, 1.9437e-04, 1.9344e-01],  
[1.6544e+00, 4.3243e-04, 1.6418e-01],  
[1.9141e+00, 5.2341e-04, 2.1437e-01],  
[1.6411e+01, 1.3117e-02, 4.9269e-01],  
[8.4765e+01, 9.9691e-01, 2.6575e+00],  
[1.2256e+01, 2.4239e-02, 4.6341e-01],  
[6.9842e+01, 3.2204e-02, 1.3251e+00],  
[1.8440e+00, 4.7334e-04, 1.8381e-01],  
[5.7904e-01, 7.5599e-05, 6.0073e-02],  
[2.4506e+00, 1.1992e-03, 2.9238e-01],  
[3.6813e+01, 3.0796e-02, 1.7979e+00],  
[7.5029e+00, 1.2204e-02, 7.3319e-01],  
[1.4272e+02, 8.8603e-01, 4.5396e+00],  
[6.0785e-01, 5.6013e-06, 4.5527e-02],  
[6.8119e+00, 1.8369e-02, 5.9676e-01],  
[6.2075e-01, 4.3212e-05, 7.1900e-02],  
[2.9121e-02, 2.7390e-07, 4.4898e-03],  
[1.4873e+02, 2.5757e+00, 3.9368e+00],  
[1.0370e+01, 8.7510e-03, 5.6482e-01],  
[3.2759e-01, 3.9946e-05, 4.0852e-02],  
[1.3404e+01, 7.7384e-02, 9.8671e-01],  
[4.6350e+01, 5.3498e-01, 1.3534e+00],  
[8.8607e+01, 2.9582e-01, 2.8612e+00],  
[1.6493e+00, 4.1109e-04, 9.0555e-02],  
[3.2046e-02, 1.2698e-06, 4.3568e-03],  
[3.3662e-03, 3.4784e-09, 5.4231e-04],  
[6.8715e+01, 2.0863e-01, 1.5830e+00],  
[2.6051e+02, 9.2801e-01, 4.3228e+00],  
[6.0714e+01, 1.0634e-01, 1.1198e+00],  
[2.8574e+00, 6.7621e-04, 1.5349e-01],  
[3.0565e+01, 2.7922e-02, 1.4550e+00],  
[4.8132e+00, 4.7258e-03, 2.2455e-01],  
[1.2092e+00, 6.3605e-04, 1.5231e-01],  
[4.1025e-02, 7.0393e-07, 6.4859e-03],  
[1.7515e+00, 3.3281e-04, 9.3014e-02],  
[3.3467e-01, 2.8703e-05, 3.9509e-02],  
[3.0220e+01, 5.6601e-02, 2.2168e+00],  
[7.4940e-02, 3.5163e-06, 1.1619e-02],  
[1.6533e+01, 4.4180e-02, 5.6406e-01],  
[5.2379e+01, 3.8838e-01, 2.8145e+00],  
[1.3774e+02, 4.9911e+00, 4.0106e+00],  
[7.7651e-01, 8.5474e-05, 7.1497e-02],  
[2.3675e-01, 1.1261e-05, 2.4725e-02],  
[3.3884e+01, 3.3721e-01, 1.4352e+00],  
[1.5263e+00, 6.4999e-04, 1.1631e-01],

```

[3.8874e+00, 3.5020e-03, 2.9446e-01],
[7.0413e+01, 6.5228e-01, 2.2317e+00],
[8.0472e-01, 3.1170e-04, 8.1902e-02],
[1.4689e+02, 2.3274e+00, 2.5020e+00]], dtype=torch.float64)
Iteration: 237
Inputs: tensor([[8.3132e+20, 4.3563e+02, 2.7320e+00, 6.7065e+00],
[1.2993e+19, 2.4257e+02, 1.5983e+00, 3.8470e+00],
[1.6635e+19, 4.3221e+02, 1.6815e+01, 5.6031e+00],
...,
[1.5150e+20, 1.7188e+02, 5.2400e+00, 8.5743e+00],
[1.1192e+19, 2.3387e+02, 7.6305e+00, 9.2091e+00],
[8.3193e+18, 2.2647e+02, 1.2235e+01, 7.5452e+00]], dtype=torch.float64)
Target: tensor([[3.0163e+02, 5.9698e+00, 4.7187e+00],
[6.6621e+00, 1.3063e-03, 3.2692e-01],
[5.7851e+00, 7.1963e-03, 3.4211e-01],
[2.7982e+01, 1.2277e-01, 1.1555e+00],
[5.9506e+01, 5.3639e-01, 2.6547e+00],
[1.5303e+00, 4.2734e-04, 1.4369e-01],
[7.9357e+00, 5.4587e-03, 8.4396e-01],
[7.0790e-01, 2.2164e-04, 7.2440e-02],
[1.7201e+02, 7.1028e+00, 3.5964e+00],
[4.6171e+01, 2.9631e-01, 1.8342e+00],
[9.1313e+00, 7.5298e-03, 4.5569e-01],
[2.2739e-01, 9.8384e-06, 2.4852e-02],
[1.8114e+02, 3.9957e+00, 4.7922e+00],
[9.8531e+00, 1.2991e-02, 4.5599e-01],
[7.2718e+00, 1.3887e-02, 5.2509e-01],
[2.5996e+01, 1.2717e-01, 9.0269e-01],
[2.3743e+00, 1.0730e-03, 2.7950e-01],
[2.1262e+02, 2.2108e+00, 4.4081e+00],
[1.0492e+01, 8.6277e-03, 4.9753e-01],
[5.0751e-01, 8.9311e-05, 4.3899e-02],
[3.0097e+00, 3.6655e-04, 1.9938e-01],
[3.4473e-01, 6.8467e-05, 3.4096e-02],
[3.8734e+01, 3.7207e-01, 1.2112e+00],
[8.3164e-03, 3.1936e-08, 1.2646e-03],
[2.1936e+02, 2.0530e+00, 3.6981e+00],
[2.0769e+01, 1.0810e-01, 1.1477e+00],
[2.3524e+01, 1.0162e-02, 1.1543e+00],
[2.1609e+00, 3.0806e-04, 1.3279e-01],
[1.9729e+00, 6.7601e-04, 1.6592e-01],
[2.4158e-01, 1.8089e-06, 2.8512e-02],
[2.2962e+00, 1.3064e-03, 2.6514e-01],
[1.7807e+01, 3.2218e-02, 9.9186e-01],
[1.5909e+01, 5.5220e-02, 1.0539e+00],
[2.1406e+01, 1.1412e-01, 1.9815e+00],
[8.2647e+00, 2.8206e-03, 4.5710e-01],
[1.5880e+01, 2.3757e-02, 6.0019e-01],

```

[6.7165e-02, 1.3535e-06, 9.4711e-03],  
[3.6998e-02, 1.7216e-06, 5.0048e-03],  
[3.7005e-02, 1.5554e-06, 5.3870e-03],  
[1.2063e+02, 9.1042e-01, 3.3117e+00],  
[4.4393e+00, 3.9525e-03, 2.8099e-01],  
[3.3873e+00, 3.5554e-04, 2.4108e-01],  
[2.2096e+00, 5.3782e-04, 1.6055e-01],  
[4.3884e+01, 1.9848e-01, 1.1456e+00],  
[7.5124e+01, 2.1800e-01, 1.5283e+00],  
[2.1263e+01, 3.6913e-02, 1.7738e+00],  
[1.7876e-02, 4.2438e-08, 2.7050e-03],  
[3.4056e+01, 9.5702e-02, 1.4469e+00],  
[2.5495e+01, 2.0972e-01, 1.7589e+00],  
[6.3501e+01, 7.7427e-01, 1.8406e+00],  
[2.4993e+00, 2.8081e-03, 2.2637e-01],  
[1.0755e-01, 6.1672e-06, 1.2628e-02],  
[8.1445e+01, 1.9093e+00, 2.8247e+00],  
[1.0571e+01, 2.8979e-02, 4.9039e-01],  
[3.1293e+01, 2.5500e-01, 1.4329e+00],  
[7.0094e-01, 1.6109e-04, 6.4079e-02],  
[1.6204e+00, 2.8355e-04, 1.0437e-01],  
[2.3251e+01, 3.4211e-02, 9.2521e-01],  
[1.1307e+02, 4.2502e+00, 3.6183e+00],  
[1.9885e+01, 6.5928e-02, 1.3355e+00],  
[2.8943e+01, 2.9249e-01, 9.7349e-01],  
[1.0316e+00, 4.1344e-04, 8.1707e-02],  
[1.3288e-02, 4.4347e-08, 1.9979e-03],  
[1.2854e+00, 1.3665e-03, 1.5370e-01],  
[1.8232e+01, 4.7573e-02, 1.0269e+00],  
[8.8836e+01, 1.0604e+00, 1.9033e+00],  
[1.1704e+01, 4.2785e-02, 5.4198e-01],  
[2.3645e+02, 1.8478e+00, 3.9974e+00],  
[7.2434e-01, 2.6455e-05, 8.5078e-02],  
[5.7229e+01, 9.2288e-01, 2.6291e+00],  
[8.8451e+01, 7.5056e-01, 2.1480e+00],  
[2.7621e+00, 6.3814e-04, 3.0084e-01],  
[1.7196e+02, 7.8971e+00, 4.0831e+00],  
[1.1771e+02, 3.0778e-01, 2.9267e+00],  
[1.1044e+01, 5.0994e-02, 7.0326e-01],  
[1.4301e+02, 4.4628e+00, 3.5844e+00],  
[7.4293e-01, 2.9889e-04, 7.3091e-02],  
[1.4837e+02, 4.5591e-01, 2.6265e+00],  
[9.1216e+00, 3.0524e-02, 4.7301e-01],  
[2.5923e+01, 1.6926e-01, 8.7484e-01],  
[7.4327e+01, 1.0223e+00, 2.1158e+00],  
[5.4321e-03, 4.0474e-09, 8.4889e-04],  
[6.1124e+01, 4.7174e-01, 2.4142e+00],  
[2.5995e-01, 1.3676e-05, 2.4477e-02],

[7.7132e-02, 2.4142e-06, 9.3807e-03],  
[1.3244e+02, 3.6139e-01, 3.5651e+00],  
[9.6779e+00, 6.0421e-03, 7.7998e-01],  
[1.0980e-02, 3.7158e-08, 1.7122e-03],  
[1.9201e+00, 1.3092e-04, 1.0961e-01],  
[7.1482e+00, 6.1059e-03, 3.6442e-01],  
[1.0281e-01, 3.4665e-06, 1.3414e-02],  
[3.7045e+01, 2.7761e-01, 1.2697e+00],  
[1.9256e+01, 6.0680e-02, 5.7848e-01],  
[2.5200e+01, 2.1500e-01, 1.9694e+00],  
[1.5172e+01, 6.3459e-03, 6.8473e-01],  
[1.2460e-01, 7.1469e-06, 1.5370e-02],  
[1.4924e+00, 8.4882e-04, 1.1482e-01],  
[3.1602e+01, 8.3284e-02, 2.4184e+00],  
[1.4053e+02, 6.4953e+00, 4.4791e+00],  
[1.6810e+02, 4.2478e+00, 3.6235e+00],  
[4.3995e-01, 1.7015e-05, 4.7815e-02],  
[3.3976e+01, 7.0805e-01, 2.6348e+00],  
[3.3679e+01, 1.7765e-01, 1.0976e+00],  
[1.1293e+01, 5.5305e-03, 4.7504e-01],  
[1.1503e+01, 1.2709e-02, 8.8233e-01],  
[2.8909e+00, 2.1531e-03, 1.8782e-01],  
[2.0205e+01, 7.3690e-02, 9.7599e-01],  
[1.1979e+00, 5.2559e-04, 1.4265e-01],  
[1.0506e+02, 1.6171e+00, 2.6602e+00],  
[3.3446e-01, 2.2186e-06, 4.5424e-02],  
[4.1469e+00, 3.9011e-03, 3.6187e-01],  
[5.8634e-01, 2.3357e-04, 5.7935e-02],  
[5.9832e+01, 4.4116e-01, 2.6201e+00],  
[2.8835e+00, 5.3899e-03, 2.7327e-01],  
[1.6755e+00, 3.4085e-03, 2.2760e-01],  
[1.1157e+01, 2.1549e-03, 4.2377e-01],  
[3.9396e+01, 1.4489e-01, 1.6907e+00],  
[4.1999e+00, 1.8053e-04, 1.9792e-01],  
[5.8459e-01, 5.2162e-05, 4.2035e-02],  
[4.3966e+01, 4.4456e-01, 2.0335e+00],  
[1.6287e+01, 8.0211e-03, 1.0974e+00],  
[6.8476e+01, 2.9645e-01, 1.4900e+00],  
[1.3943e+00, 8.0477e-04, 1.4531e-01],  
[2.9031e+01, 1.4554e-01, 1.1070e+00],  
[1.0330e+02, 3.3142e-01, 2.5771e+00],  
[8.0492e+01, 9.7157e-01, 1.6863e+00],  
[3.9596e-01, 8.8741e-06, 3.9996e-02],  
[2.6008e+00, 9.9391e-04, 1.2999e-01],  
[8.3835e-01, 1.1261e-04, 7.7164e-02],  
[3.5962e+01, 1.1770e-01, 1.1622e+00],  
[1.1712e+02, 1.0356e+00, 2.9730e+00],  
[7.1181e+00, 2.2866e-02, 5.2800e-01],

[2.1473e-01, 9.9240e-06, 2.6849e-02],  
[3.8891e+01, 2.1450e-01, 1.3046e+00],  
[1.2165e-01, 1.8038e-05, 1.6104e-02],  
[5.2119e+00, 4.9443e-03, 2.4712e-01],  
[1.1432e-01, 4.7929e-06, 1.4905e-02],  
[1.7155e+02, 2.7996e+00, 3.0060e+00],  
[2.1806e+01, 1.9620e-02, 8.6752e-01],  
[6.5881e+00, 1.4498e-02, 4.6030e-01],  
[2.6773e+01, 8.3314e-02, 6.7124e-01],  
[1.4979e+01, 8.5275e-03, 4.2355e-01],  
[1.7819e-03, 5.8935e-10, 2.8541e-04],  
[1.4160e-01, 1.5913e-05, 1.6549e-02],  
[9.8123e+01, 6.5215e-01, 4.2052e+00],  
[1.6381e+01, 5.0535e-02, 7.3958e-01],  
[5.5743e+00, 3.1048e-03, 5.9200e-01],  
[4.2100e+00, 7.7337e-03, 4.8268e-01],  
[1.0190e+02, 2.5679e+00, 3.9307e+00],  
[8.2898e+01, 4.0270e-01, 1.8172e+00],  
[3.6317e+00, 2.4567e-04, 2.6931e-01],  
[8.1740e+00, 1.4979e-02, 5.6356e-01],  
[3.1055e+00, 1.3186e-03, 1.9778e-01],  
[4.8864e+00, 4.5246e-03, 3.2229e-01],  
[4.8114e+00, 3.3350e-03, 2.5626e-01],  
[3.3233e-01, 2.7173e-05, 3.1915e-02],  
[1.5808e+01, 1.0469e-02, 4.7745e-01],  
[2.0834e-01, 2.0690e-05, 2.8185e-02],  
[2.0394e+00, 1.9725e-03, 2.5860e-01],  
[9.5359e+00, 1.4998e-02, 4.7553e-01],  
[2.0867e+01, 6.2396e-02, 1.0064e+00],  
[7.6681e-01, 3.4200e-04, 8.9440e-02],  
[5.3911e+00, 6.4579e-03, 5.5682e-01],  
[2.6941e-01, 2.0230e-05, 2.7858e-02],  
[1.9494e+01, 8.9630e-02, 1.0511e+00],  
[2.8246e+01, 3.7103e-02, 1.9026e+00],  
[2.6903e+01, 9.3447e-02, 9.4762e-01],  
[1.2710e+00, 8.3986e-06, 7.8671e-02],  
[1.1774e+02, 3.0467e+00, 3.3647e+00],  
[9.1356e+01, 1.0832e+00, 3.1517e+00],  
[7.4992e-03, 3.2662e-08, 1.2055e-03],  
[2.4258e-01, 1.1252e-05, 2.7146e-02],  
[1.0086e+00, 2.2874e-04, 8.9537e-02],  
[5.3225e+00, 3.6391e-03, 2.7653e-01],  
[1.9315e+00, 6.5466e-04, 1.6815e-01],  
[4.1992e+00, 4.1315e-03, 3.2058e-01],  
[9.9682e-02, 2.1601e-06, 1.4189e-02],  
[1.9318e+01, 1.3434e-01, 1.1025e+00],  
[1.5049e+01, 1.1858e-01, 9.4393e-01],  
[4.8991e+00, 1.4128e-03, 4.2993e-01],

[9.8844e-01, 1.3572e-04, 1.0050e-01],  
 [3.7498e+01, 3.7714e-01, 1.4324e+00],  
 [1.3958e+02, 1.3900e+00, 3.7132e+00],  
 [3.1703e-01, 6.1330e-06, 2.7549e-02],  
 [1.2357e+01, 5.9958e-02, 8.6325e-01],  
 [2.0066e+00, 3.9862e-03, 1.9919e-01],  
 [9.1027e+00, 1.7680e-02, 4.9087e-01],  
 [4.3759e-01, 2.7725e-05, 4.8740e-02],  
 [2.5711e+01, 1.8008e-02, 1.1678e+00],  
 [2.2370e+01, 1.0762e-01, 9.2769e-01],  
 [1.4163e-01, 1.1608e-05, 1.9071e-02],  
 [1.0619e+02, 1.6035e+00, 4.0518e+00],  
 [3.3712e+01, 2.2768e-01, 1.4972e+00],  
 [3.0299e-02, 4.5602e-07, 4.6291e-03],  
 [2.8665e+01, 2.1277e-01, 2.1626e+00],  
 [2.8829e-02, 9.0472e-07, 4.2232e-03],  
 [5.9924e-01, 8.5536e-05, 8.5644e-02],  
 [4.8510e+01, 1.1707e-01, 2.7160e+00],  
 [8.7507e+00, 1.5660e-03, 4.6355e-01],  
 [8.9923e+00, 1.3651e-02, 4.5160e-01],  
 [1.1119e+00, 4.3590e-04, 8.5726e-02],  
 [2.1308e+00, 1.4829e-04, 1.8676e-01],  
 [2.9607e+01, 1.2398e-01, 8.9785e-01],  
 [4.2982e+01, 4.6300e-01, 1.5777e+00],  
 [3.0009e+01, 2.3038e-01, 1.0498e+00],  
 [2.0770e+01, 4.1373e-02, 8.4595e-01],  
 [4.0323e+01, 5.2563e-02, 1.6997e+00],  
 [1.7972e-01, 2.0026e-06, 2.0215e-02],  
 [1.1487e+02, 1.1944e+00, 2.5692e+00],  
 [1.5428e+00, 1.6254e-04, 1.2165e-01],  
 [2.4291e-01, 1.9863e-05, 2.4492e-02],  
 [1.5868e-01, 2.1944e-05, 1.9592e-02],  
 [3.0643e+01, 1.6158e-01, 1.1042e+00],  
 [1.0864e+02, 1.5508e+00, 2.6883e+00],  
 [2.0006e-02, 3.5004e-07, 2.9505e-03],  
 [9.9440e+01, 5.6124e-01, 2.0842e+00],  
 [8.7021e+01, 1.4242e+00, 2.1593e+00],  
 [2.8119e-03, 5.8055e-09, 4.4268e-04],  
 [7.9859e+00, 4.2103e-03, 4.4883e-01],  
 [6.2099e+01, 2.3156e-01, 1.8480e+00],  
 [3.9857e+01, 4.0174e-01, 1.3541e+00],  
 [1.6685e+00, 1.2044e-03, 1.5080e-01],  
 [1.6798e+01, 1.2949e-01, 8.0705e-01],  
 [1.7630e+01, 3.7000e-02, 8.7681e-01],  
 [2.9261e+01, 1.2433e-01, 1.1423e+00],  
 [2.0976e+02, 6.3405e+00, 3.5795e+00],  
 [7.7657e-02, 1.1752e-06, 1.0192e-02],  
 [1.8116e+01, 1.5938e-02, 1.3547e+00],



[1.9062e+00, 2.2909e-04, 1.1197e-01],  
[1.1058e-01, 4.9883e-06, 1.6491e-02],  
[2.7494e+01, 5.8323e-02, 1.4300e+00],  
[1.1591e+01, 3.0668e-02, 5.3060e-01],  
[3.7249e+01, 2.4888e-01, 1.5788e+00],  
[9.7452e+01, 9.0672e-01, 2.0971e+00],  
[1.1343e+02, 1.0617e+00, 2.3511e+00],  
[3.0633e+01, 2.5882e-01, 8.5860e-01],  
[8.2177e+00, 2.9102e-03, 3.3979e-01],  
[1.1487e+00, 4.3016e-04, 1.1987e-01],  
[1.1850e+01, 4.1857e-02, 6.5709e-01],  
[4.8297e-02, 3.3842e-06, 7.0483e-03],  
[2.4569e+01, 2.3487e-01, 1.3044e+00],  
[4.1573e+00, 2.2116e-03, 3.7032e-01],  
[1.2728e+01, 1.6490e-02, 6.4849e-01],  
[5.3403e+00, 6.0155e-03, 2.5808e-01],  
[3.1167e+00, 1.4958e-03, 1.5928e-01],  
[3.4396e-01, 3.1810e-05, 2.9742e-02],  
[1.0174e+00, 1.1738e-05, 9.4887e-02],  
[7.6703e+01, 1.6415e-01, 1.8305e+00],  
[2.2766e+00, 1.7947e-03, 2.2009e-01],  
[9.0165e+01, 2.2587e+00, 3.3888e+00],  
[1.2220e+01, 1.9412e-02, 5.6902e-01],  
[2.3509e-01, 1.6697e-05, 3.1214e-02],  
[1.9412e+00, 8.3017e-04, 2.0861e-01],  
[1.5662e+01, 3.9806e-02, 7.1243e-01],  
[3.0818e+01, 1.3680e-01, 1.4662e+00],  
[9.4360e-02, 4.3771e-07, 1.2130e-02],  
[3.4488e+00, 5.5178e-04, 1.9209e-01],  
[2.2838e+00, 1.7602e-03, 3.0020e-01],  
[1.1350e-01, 3.9304e-06, 1.5830e-02],  
[4.5659e-02, 4.9484e-07, 6.2618e-03],  
[1.7964e+00, 6.2824e-04, 1.6162e-01],  
[1.6418e+01, 7.7447e-02, 1.0620e+00],  
[2.1155e+00, 1.9513e-03, 1.3853e-01],  
[3.4315e+01, 1.3554e-01, 1.3641e+00],  
[4.3493e-01, 5.0673e-05, 3.3114e-02],  
[6.0938e+01, 1.0092e+00, 2.9016e+00],  
[1.3909e+00, 3.2010e-04, 1.4791e-01],  
[6.7275e-01, 1.5350e-04, 5.3916e-02],  
[2.8778e+01, 1.3043e-01, 1.0602e+00],  
[2.2409e+00, 1.9461e-03, 2.5304e-01],  
[1.6229e-02, 9.8148e-08, 2.4308e-03],  
[1.4500e+00, 2.1662e-03, 1.8822e-01],  
[6.2624e+00, 9.7394e-03, 6.5609e-01],  
[4.0661e+00, 4.6879e-03, 5.1569e-01],  
[4.5074e+00, 8.9571e-03, 2.9098e-01],  
[4.0705e+00, 6.0064e-03, 3.3259e-01],

```

[2.4375e+02, 2.4422e+00, 4.8587e+00],
[1.2679e+01, 1.7056e-02, 8.4626e-01],
[2.1694e+00, 2.3891e-04, 1.3078e-01],
[9.4090e+01, 1.0155e+00, 3.9027e+00],
[2.3443e+01, 8.9209e-02, 1.4196e+00],
[1.5233e+02, 5.9730e+00, 4.2351e+00],
[1.7423e-03, 6.9859e-10, 2.8049e-04],
[4.2198e+01, 3.2710e-01, 2.5633e+00],
[5.9729e+00, 1.6020e-03, 4.0121e-01],
[8.2279e-01, 6.0821e-04, 8.6173e-02],
[4.3191e+00, 2.1807e-03, 2.1745e-01],
[5.7666e+01, 1.5269e-01, 1.6581e+00],
[2.9886e+00, 3.3765e-03, 2.4926e-01],
[1.7036e+00, 5.5729e-04, 1.4034e-01],
[4.4749e-01, 7.9989e-05, 4.4516e-02],
[2.0868e+02, 5.0962e+00, 4.2385e+00],
[1.3240e-02, 7.9108e-08, 2.0001e-03],
[1.0288e+02, 1.3107e+00, 2.6083e+00],
[5.1486e+01, 4.7290e-01, 1.4485e+00],
[1.2601e-03, 1.4901e-09, 2.0417e-04],
[4.3204e-01, 8.1037e-05, 5.1481e-02],
[2.2330e+02, 6.5689e+00, 4.4627e+00],
[5.6105e+00, 1.7138e-03, 3.5724e-01],
[5.2394e+01, 1.4000e+00, 2.8429e+00],
[6.0403e+00, 1.3047e-02, 3.7136e-01],
[1.0120e-01, 4.9570e-07, 1.1555e-02],
[3.6006e+00, 3.7166e-03, 1.9238e-01],
[7.4465e-01, 1.2787e-04, 5.6838e-02],
[1.6750e+01, 2.2329e-02, 8.3983e-01],
[7.2789e+00, 2.2106e-02, 3.8106e-01],
[1.2665e+00, 4.4958e-04, 1.2580e-01],
[3.0712e+01, 9.0922e-02, 1.5776e+00],
[7.5861e+00, 3.9224e-03, 6.4292e-01],
[5.3382e-01, 4.7324e-05, 4.4210e-02],
[3.7123e-01, 8.7235e-06, 3.7945e-02],
[1.3312e-01, 1.9644e-06, 1.5115e-02],
[7.2402e+01, 5.7046e-01, 1.7383e+00],
[2.4980e-02, 2.1965e-07, 3.8077e-03],
[1.2240e+01, 4.0397e-02, 6.4704e-01],
[2.1800e-01, 3.5455e-06, 2.8103e-02],
[1.0623e+02, 9.2773e-01, 2.1831e+00],
[4.8675e+01, 3.9541e-01, 1.6898e+00],
[4.1201e+00, 4.4519e-03, 2.5301e-01],
[1.6977e+00, 1.0126e-03, 1.4209e-01]], dtype=torch.float64)

```

Iteration: 238

```

Inputs: tensor([[6.2305e+19, 4.5927e+02, 1.5755e+01, 9.8212e+00],
                [1.7864e+18, 4.6718e+02, 2.8141e+00, 9.7367e+00],
                [3.2287e+20, 2.1784e+02, 1.6952e+01, 8.6491e+00],

```

```

...,
[1.5903e+18, 4.2644e+02, 1.8984e+01, 2.5959e+00],
[1.2915e+20, 1.4452e+02, 7.5687e+00, 5.8067e+00],
[2.9618e+20, 8.3634e+01, 1.5466e+01, 5.6614e+00]], dtype=torch.float64)
Target: tensor([[3.7286e+01, 4.6384e-01, 1.0621e+00],
[1.1498e+00, 2.1533e-04, 6.4373e-02],
[6.3710e+01, 1.2883e+00, 2.4728e+00],
[1.9483e-01, 1.2051e-05, 2.0707e-02],
[3.6209e+01, 2.9019e-01, 1.8832e+00],
[1.3789e-01, 2.6567e-06, 1.9204e-02],
[2.3444e+01, 2.7391e-02, 6.7168e-01],
[1.4423e-01, 8.7554e-07, 1.8350e-02],
[1.2364e+00, 4.2674e-04, 9.9898e-02],
[3.4380e+01, 7.1927e-02, 9.6824e-01],
[1.3687e+01, 4.2653e-02, 6.7273e-01],
[2.2296e+02, 1.3276e+01, 5.0532e+00],
[1.4742e-01, 1.8430e-06, 1.8967e-02],
[6.8512e+00, 2.1063e-02, 4.1053e-01],
[6.6953e+01, 2.0131e-02, 1.9131e+00],
[4.1027e-03, 4.9055e-09, 6.5257e-04],
[5.0773e-01, 2.2525e-05, 3.7855e-02],
[1.6634e-01, 4.5673e-06, 1.7144e-02],
[2.8404e+00, 1.8408e-03, 2.7946e-01],
[3.2140e+01, 2.2563e-01, 1.0665e+00],
[1.9859e+00, 1.3002e-03, 1.5973e-01],
[7.8786e-02, 1.0880e-06, 1.0244e-02],
[4.5495e-01, 1.1212e-05, 4.3178e-02],
[3.4177e+01, 7.9532e-02, 1.4674e+00],
[2.9657e-01, 4.7758e-06, 2.7920e-02],
[6.2970e+00, 1.2122e-02, 3.8084e-01],
[8.2039e+01, 8.8535e-01, 2.6453e+00],
[9.8255e+00, 5.0917e-03, 5.8780e-01],
[9.7276e+01, 7.1785e-01, 1.8628e+00],
[2.8625e+01, 8.3061e-02, 9.2044e-01],
[5.1176e+01, 4.0862e-01, 2.9228e+00],
[6.4000e+01, 1.0526e+00, 2.5864e+00],
[3.2898e+00, 6.2328e-04, 2.3818e-01],
[2.3652e+00, 4.8086e-04, 2.2275e-01],
[1.4077e+01, 4.4691e-03, 3.9418e-01],
[4.4386e-02, 1.1902e-06, 6.0173e-03],
[4.9409e+01, 6.9667e-01, 2.0630e+00],
[2.0597e-01, 2.5392e-05, 2.5873e-02],
[8.5172e+01, 1.6310e-01, 3.2468e+00],
[1.8297e+01, 3.0903e-02, 5.9212e-01],
[1.0398e+02, 2.8109e+00, 3.7319e+00],
[8.7035e-01, 1.2750e-04, 5.5868e-02],
[1.8915e+00, 2.3329e-04, 2.3778e-01],
[8.5990e+01, 8.2244e-01, 2.7027e+00],

```

[6.1476e+00, 9.2988e-03, 3.0279e-01],  
 [4.8957e+01, 2.5261e-01, 1.6193e+00],  
 [2.5760e+01, 1.1699e-01, 1.2896e+00],  
 [1.0522e+00, 3.3157e-04, 8.8370e-02],  
 [6.2519e+00, 1.5168e-02, 3.6097e-01],  
 [2.8946e+02, 3.1142e+00, 4.1382e+00],  
 [1.9716e-02, 7.6810e-08, 3.0095e-03],  
 [1.9590e+01, 2.1790e-01, 1.6792e+00],  
 [6.5660e+00, 1.3584e-02, 4.3335e-01],  
 [8.9982e-02, 2.8129e-06, 1.1391e-02],  
 [4.8434e+00, 3.5816e-04, 4.0041e-01],  
 [8.3067e+01, 1.3095e+00, 2.4463e+00],  
 [1.3209e-01, 2.7496e-06, 1.9174e-02],  
 [4.2802e+00, 9.9397e-04, 2.3078e-01],  
 [3.6260e-01, 4.6997e-05, 3.4881e-02],  
 [7.1694e-01, 3.3139e-04, 8.1537e-02],  
 [1.0118e+02, 3.3200e+00, 3.6317e+00],  
 [7.2707e-02, 1.1786e-06, 9.8306e-03],  
 [4.7896e-02, 2.6762e-06, 6.5928e-03],  
 [3.2277e+00, 2.7793e-03, 2.1631e-01],  
 [3.5392e+01, 3.8952e-02, 1.1107e+00],  
 [4.0638e+01, 1.5225e-01, 9.0102e-01],  
 [6.6449e+01, 9.3088e-01, 3.5873e+00],  
 [6.4578e+01, 2.0779e-01, 2.3938e+00],  
 [1.4971e+00, 2.1078e-03, 1.9299e-01],  
 [3.8177e+01, 2.9309e-02, 1.5610e+00],  
 [1.5796e+01, 1.1536e-01, 1.4098e+00],  
 [1.7400e+00, 5.6280e-04, 1.4214e-01],  
 [5.1248e-04, 5.1769e-11, 8.3751e-05],  
 [3.4838e-01, 1.0800e-05, 3.2703e-02],  
 [1.3722e+00, 3.4511e-04, 9.6113e-02],  
 [5.0313e+01, 6.9933e-01, 2.0117e+00],  
 [8.1199e-02, 8.8796e-06, 1.2008e-02],  
 [1.8364e+00, 8.9422e-04, 1.6664e-01],  
 [6.4440e-01, 4.2026e-05, 7.6820e-02],  
 [5.4550e-02, 8.3979e-07, 7.3246e-03],  
 [2.2606e+00, 6.0400e-04, 1.7448e-01],  
 [1.9854e+01, 3.5544e-02, 6.6848e-01],  
 [1.5399e+00, 5.4268e-04, 1.4598e-01],  
 [3.1811e+00, 2.1602e-04, 2.0387e-01],  
 [4.6442e+00, 4.9730e-04, 3.4479e-01],  
 [5.3133e+00, 3.4021e-03, 4.2904e-01],  
 [1.9219e-01, 2.1361e-05, 2.1615e-02],  
 [6.0041e-01, 3.6013e-05, 4.9991e-02],  
 [6.1137e-02, 2.3054e-06, 8.4954e-03],  
 [1.6642e+02, 2.2928e+00, 3.2584e+00],  
 [3.2071e-01, 6.3651e-06, 4.1693e-02],  
 [2.8314e+01, 5.8130e-02, 7.5662e-01],

[1.6178e-01, 9.3767e-06, 1.7032e-02],  
[3.2333e+01, 1.9706e-01, 2.4834e+00],  
[1.5629e+00, 3.2659e-04, 8.7437e-02],  
[2.0490e+02, 8.3514e+00, 4.7041e+00],  
[1.7753e+00, 1.8765e-03, 1.7011e-01],  
[5.5205e-01, 2.7564e-05, 6.0818e-02],  
[2.1963e+01, 1.9727e-01, 8.0036e-01],  
[2.5512e+01, 3.0512e-02, 9.1318e-01],  
[7.3821e-01, 3.3622e-05, 8.5719e-02],  
[1.4905e+01, 1.8934e-02, 5.5615e-01],  
[5.6565e+01, 1.4056e+00, 3.2224e+00],  
[1.8185e+02, 2.9212e+00, 3.2476e+00],  
[8.3029e+00, 1.3468e-02, 3.4883e-01],  
[6.7790e+01, 1.1807e-01, 2.9851e+00],  
[2.0201e+01, 6.2422e-02, 1.8649e+00],  
[3.2142e+01, 6.5322e-02, 1.8368e+00],  
[4.9629e-01, 1.1161e-04, 4.3034e-02],  
[7.3605e-01, 1.0255e-04, 4.7184e-02],  
[2.4431e-01, 2.3488e-06, 2.2018e-02],  
[1.3084e+02, 2.6439e+00, 3.5300e+00],  
[3.7596e+01, 2.0013e-01, 1.4642e+00],  
[7.0438e+01, 4.0142e-01, 1.5181e+00],  
[4.6908e+01, 6.8732e-01, 1.6762e+00],  
[1.9238e-01, 2.6395e-06, 2.6504e-02],  
[2.2693e+02, 9.6988e+00, 4.3552e+00],  
[2.9497e+01, 1.4567e-01, 1.0737e+00],  
[8.6284e+00, 2.2629e-02, 5.3686e-01],  
[6.6655e+00, 5.7530e-03, 4.6601e-01],  
[9.5545e+00, 2.4231e-02, 6.6129e-01],  
[2.2589e+02, 5.4378e+00, 4.6519e+00],  
[2.3973e-01, 1.1742e-05, 2.6506e-02],  
[1.1713e+01, 1.1636e-02, 6.2455e-01],  
[1.2816e-01, 2.0698e-05, 1.7848e-02],  
[3.3501e+01, 1.9739e-01, 9.3822e-01],  
[3.9312e-01, 3.1852e-05, 4.0819e-02],  
[2.7585e-01, 2.5414e-05, 3.0963e-02],  
[2.6083e+01, 2.7716e-02, 6.6618e-01],  
[2.3082e-03, 5.6458e-09, 3.7302e-04],  
[2.4773e+00, 3.1827e-03, 2.7282e-01],  
[1.0484e+00, 1.0935e-04, 1.2306e-01],  
[1.3560e+02, 4.3375e-01, 3.1086e+00],  
[1.4415e+01, 1.5834e-02, 5.6423e-01],  
[2.0541e+02, 4.5895e+00, 4.2198e+00],  
[1.6163e+02, 4.0934e+00, 3.6649e+00],  
[2.8996e-03, 1.5251e-09, 4.6152e-04],  
[9.4836e-01, 2.3403e-04, 1.1040e-01],  
[3.0819e+00, 1.1826e-03, 2.1811e-01],  
[4.3906e-02, 7.6579e-07, 5.8963e-03],

[1.1587e+02, 1.8637e+00, 2.9506e+00],  
 [4.0590e+00, 1.6559e-03, 2.4192e-01],  
 [3.5490e+00, 9.9332e-04, 1.5984e-01],  
 [4.2900e-01, 7.7721e-05, 3.8280e-02],  
 [2.4995e+01, 7.1977e-02, 1.2932e+00],  
 [6.7798e-01, 8.3264e-05, 5.7259e-02],  
 [2.1158e+01, 1.4489e-02, 1.1979e+00],  
 [1.0823e+02, 3.3907e-01, 4.2640e+00],  
 [1.3016e-02, 1.9288e-07, 1.9340e-03],  
 [1.8056e+01, 9.6877e-02, 1.0333e+00],  
 [1.7651e+00, 3.1343e-04, 1.1724e-01],  
 [5.6456e+00, 6.5372e-03, 2.6827e-01],  
 [3.0200e+01, 2.5051e-02, 1.6047e+00],  
 [3.8355e+01, 5.2381e-01, 1.4418e+00],  
 [4.1594e+01, 2.7337e-01, 1.0224e+00],  
 [4.2928e+00, 1.4702e-03, 2.0263e-01],  
 [1.1784e+00, 3.6346e-04, 1.0391e-01],  
 [2.0891e+02, 1.8311e+00, 3.1926e+00],  
 [4.0887e+01, 1.7368e-01, 1.1155e+00],  
 [1.3805e+01, 9.6796e-02, 7.6397e-01],  
 [2.0329e-01, 3.0952e-07, 2.2527e-02],  
 [3.4235e+01, 3.5762e-01, 1.1218e+00],  
 [5.0336e-02, 2.4189e-06, 6.8007e-03],  
 [3.4245e+01, 1.5707e-01, 1.2521e+00],  
 [3.7129e+01, 1.5561e-02, 8.2060e-01],  
 [3.8365e+00, 2.2728e-03, 2.5076e-01],  
 [4.2576e+00, 3.7549e-03, 3.1844e-01],  
 [9.2687e+01, 1.1845e+00, 3.9318e+00],  
 [5.9198e+01, 2.7550e-01, 3.0012e+00],  
 [9.8612e+01, 8.8325e-01, 2.8190e+00],  
 [3.0038e-01, 2.9572e-05, 4.2397e-02],  
 [3.6507e-02, 5.8546e-07, 5.4661e-03],  
 [1.9136e-01, 1.9442e-05, 2.2491e-02],  
 [6.6146e-01, 1.3813e-04, 7.2122e-02],  
 [1.9885e-01, 8.0361e-07, 2.3524e-02],  
 [1.9577e+01, 1.4923e-02, 1.3239e+00],  
 [1.4558e+01, 1.8430e-02, 6.1886e-01],  
 [2.4332e+00, 1.8557e-03, 1.7001e-01],  
 [5.5315e+01, 1.9075e-01, 1.1971e+00],  
 [2.0678e+01, 3.2976e-02, 7.9206e-01],  
 [2.9289e+01, 2.3651e-02, 1.6094e+00],  
 [8.7504e-01, 4.1233e-04, 8.5730e-02],  
 [7.4667e+00, 1.4704e-03, 5.7270e-01],  
 [3.3150e+02, 1.3754e+01, 5.1905e+00],  
 [4.4297e+01, 1.4343e-01, 1.7811e+00],  
 [3.7774e-01, 8.2476e-05, 4.0620e-02],  
 [1.8238e-01, 2.7999e-05, 2.3605e-02],  
 [9.6145e+00, 4.5113e-03, 6.3951e-01],

[7.6995e-01, 8.1445e-05, 4.6641e-02],  
 [2.6840e+00, 1.2485e-03, 1.8871e-01],  
 [3.1224e+00, 1.8112e-03, 3.4855e-01],  
 [3.3782e+01, 7.4289e-02, 2.4514e+00],  
 [4.5474e-01, 2.3128e-06, 5.4061e-02],  
 [4.3630e+00, 3.5673e-03, 2.7431e-01],  
 [2.5616e+00, 1.4173e-03, 3.1943e-01],  
 [2.9765e+01, 2.5478e-01, 1.5041e+00],  
 [5.4771e-01, 2.2497e-04, 7.6764e-02],  
 [1.1103e-01, 3.9565e-06, 1.3160e-02],  
 [3.6073e-02, 2.2898e-07, 5.1443e-03],  
 [5.7154e-02, 8.7054e-08, 7.3551e-03],  
 [3.9989e+01, 3.2277e-01, 1.6361e+00],  
 [7.6025e-01, 1.0210e-04, 6.6640e-02],  
 [4.9620e+00, 1.2182e-02, 3.9783e-01],  
 [4.7108e+00, 6.6584e-03, 3.9960e-01],  
 [5.2271e+01, 5.9511e-01, 2.1807e+00],  
 [1.0771e+00, 1.4738e-04, 1.1350e-01],  
 [1.3017e+01, 3.2432e-02, 6.0712e-01],  
 [7.3393e+00, 1.9728e-02, 5.8984e-01],  
 [1.1062e+01, 3.0836e-02, 7.7601e-01],  
 [3.7599e+00, 4.1807e-03, 2.8003e-01],  
 [1.1948e-01, 1.4771e-05, 1.4944e-02],  
 [3.2769e+00, 2.2171e-03, 2.0854e-01],  
 [2.2915e-01, 1.7388e-05, 2.4352e-02],  
 [1.7595e+00, 1.3299e-03, 1.4139e-01],  
 [1.0748e-01, 5.1395e-06, 1.2565e-02],  
 [4.8490e+01, 5.0294e-01, 1.4542e+00],  
 [8.4245e+00, 1.0161e-02, 5.0069e-01],  
 [3.5853e+01, 7.6412e-01, 2.5094e+00],  
 [2.4046e+01, 1.1451e-01, 8.1328e-01],  
 [4.6626e+01, 6.1080e-01, 1.2034e+00],  
 [6.1656e-01, 6.4432e-05, 8.6739e-02],  
 [3.4845e+00, 1.5816e-02, 3.9345e-01],  
 [1.5332e+00, 1.0892e-04, 1.5213e-01],  
 [1.2431e+01, 3.2692e-02, 5.6937e-01],  
 [8.7727e+01, 2.1330e-01, 3.0729e+00],  
 [3.7438e-01, 2.0311e-05, 3.0311e-02],  
 [6.5562e+00, 1.4155e-02, 5.9109e-01],  
 [1.4224e+02, 1.9415e-01, 3.3539e+00],  
 [2.3864e-01, 1.1188e-05, 3.2263e-02],  
 [1.0623e+01, 3.7261e-02, 5.7808e-01],  
 [6.4772e-01, 9.3593e-05, 5.0275e-02],  
 [1.8076e-01, 8.4851e-06, 2.1236e-02],  
 [9.2728e+01, 1.7151e+00, 3.7705e+00],  
 [1.1861e-01, 8.8905e-06, 1.3588e-02],  
 [1.4745e+01, 6.7837e-02, 6.0662e-01],  
 [4.5180e+01, 7.0511e-02, 1.1567e+00],

[1.9481e-01, 8.9038e-06, 2.5257e-02],  
 [9.5153e+01, 1.1369e-01, 3.6611e+00],  
 [1.9535e-01, 2.5388e-05, 2.4037e-02],  
 [3.4982e-01, 1.8935e-05, 4.9706e-02],  
 [4.1424e+01, 1.4292e-01, 1.5603e+00],  
 [2.3755e+00, 1.7644e-03, 1.7048e-01],  
 [1.5598e+01, 4.4918e-02, 6.1178e-01],  
 [1.4947e+02, 2.4319e+00, 2.6793e+00],  
 [1.2587e+01, 1.9292e-02, 5.6120e-01],  
 [1.1018e+00, 5.7574e-04, 9.3000e-02],  
 [2.2249e-01, 5.5110e-06, 2.8402e-02],  
 [1.3140e+00, 3.3148e-04, 9.2662e-02],  
 [6.7114e+00, 5.4125e-03, 2.8433e-01],  
 [1.8688e+02, 3.1233e+00, 2.9448e+00],  
 [1.4582e+01, 2.5243e-02, 7.5964e-01],  
 [1.2699e-01, 9.7562e-06, 1.7162e-02],  
 [7.6558e-02, 8.2394e-07, 1.0942e-02],  
 [3.5210e+00, 4.6105e-03, 3.2067e-01],  
 [3.1550e+01, 2.6279e-01, 1.8783e+00],  
 [2.5419e-01, 1.9478e-05, 3.7832e-02],  
 [4.6601e-03, 5.7339e-09, 7.3742e-04],  
 [1.7843e+02, 7.9186e-01, 4.6050e+00],  
 [4.6310e+01, 1.7350e-01, 1.9046e+00],  
 [8.9849e-01, 6.1880e-05, 1.0271e-01],  
 [2.8233e+00, 1.1483e-03, 1.4842e-01],  
 [1.2576e+02, 1.1947e+00, 3.1974e+00],  
 [4.2948e+00, 4.8676e-03, 2.3078e-01],  
 [4.6031e+01, 5.1467e-01, 2.3631e+00],  
 [2.0531e-02, 1.8163e-07, 3.0593e-03],  
 [1.1657e+01, 4.1992e-02, 6.1683e-01],  
 [1.3766e+01, 8.2036e-02, 7.5970e-01],  
 [4.5634e+00, 6.4091e-03, 4.6803e-01],  
 [4.9231e-01, 6.7077e-05, 5.2983e-02],  
 [3.1996e+00, 1.3601e-03, 2.1444e-01],  
 [2.4524e-01, 2.6595e-05, 3.0720e-02],  
 [7.5647e+00, 1.4364e-03, 3.3677e-01],  
 [6.2486e+01, 1.5627e-01, 2.3051e+00],  
 [1.0302e+02, 1.6049e+00, 2.4684e+00],  
 [1.6708e+01, 5.2472e-02, 1.0631e+00],  
 [3.0685e+01, 2.1060e-01, 1.0693e+00],  
 [3.7456e+01, 4.1031e-01, 2.2677e+00],  
 [2.4883e+00, 2.3150e-03, 1.6279e-01],  
 [5.5469e-01, 2.7990e-05, 7.1171e-02],  
 [1.3466e+02, 3.5641e+00, 3.8667e+00],  
 [1.7459e+02, 9.8721e-01, 4.0464e+00],  
 [8.8615e+01, 4.2689e-01, 1.7091e+00],  
 [5.6015e+00, 1.8552e-03, 3.5506e-01],  
 [5.0759e+01, 3.3721e-01, 2.8517e+00],



```

[1.3826e+01, 1.2081e-02, 4.9203e-01],
[4.8441e-02, 9.2676e-07, 6.7972e-03],
[8.7022e-03, 4.1708e-08, 1.3276e-03],
[9.2978e+01, 1.2440e+00, 1.8597e+00],
[9.5067e-02, 2.6226e-06, 1.2298e-02],
[2.6518e-01, 1.7330e-05, 3.2104e-02],
[1.0502e+01, 5.6232e-02, 5.5405e-01],
[6.8338e+00, 3.6550e-03, 3.2115e-01],
[6.8007e+01, 1.6236e-01, 3.2922e+00],
[1.6570e+01, 1.0350e-01, 7.9246e-01],
[8.0661e+01, 1.5601e-01, 1.8129e+00],
[9.3732e+00, 5.4536e-03, 3.2951e-01],
[4.2029e+01, 4.6034e-03, 1.3813e+00],
[6.0784e+00, 1.2931e-02, 3.3177e-01],
[3.5218e+00, 2.0042e-03, 3.1720e-01],
[1.7489e-02, 5.1916e-08, 2.7103e-03],
[1.2600e-01, 4.6509e-06, 1.4462e-02],
[4.1416e+01, 8.9434e-02, 1.2962e+00],
[6.7493e-01, 2.2906e-04, 7.9934e-02],
[2.4140e+01, 1.1217e-01, 1.0915e+00],
[3.9481e+01, 3.5530e-01, 1.6318e+00],
[6.4252e+01, 3.4741e-01, 1.3138e+00],
[1.6800e+01, 1.3528e-02, 9.8039e-01],
[7.9796e+01, 1.1690e+00, 1.8220e+00],
[5.4427e+01, 3.1050e-01, 2.4040e+00],
[1.6316e+01, 1.3332e-01, 7.7568e-01],
[1.3933e+01, 3.4428e-02, 8.9909e-01],
[7.0929e+01, 7.4437e-02, 2.6667e+00],
[9.1279e+01, 1.5723e+00, 2.6641e+00],
[1.2988e+02, 4.3945e+00, 3.7592e+00],
[8.0807e-03, 5.6063e-09, 1.2425e-03],
[5.7471e+01, 5.9084e-01, 1.8698e+00],
[5.7698e-01, 7.1871e-05, 8.2299e-02],
[5.1354e-02, 7.2747e-07, 6.9253e-03],
[2.7494e+01, 1.0702e-01, 1.3473e+00],
[1.6540e+01, 9.9268e-02, 1.3379e+00]], dtype=torch.float64)
Iteration: 239
Inputs: tensor([[4.5688e+19, 3.1568e+02, 1.8099e+00, 2.4353e+00],
[1.2484e+20, 2.2423e+02, 1.6091e+01, 2.1315e+00],
[3.4547e+19, 3.8233e+02, 1.0317e+01, 7.2987e+00],
...,
[6.8730e+19, 3.6374e+02, 1.0083e+01, 6.6893e+00],
[1.1834e+20, 1.8651e+02, 1.2396e+01, 2.7376e+00],
[2.3247e+18, 4.2328e+02, 1.3455e+01, 5.2484e+00]]), dtype=torch.float64)
Target: tensor([[2.8202e+01, 1.0926e-02, 8.6836e-01],
[9.9097e+00, 1.2213e-02, 8.1264e-01],
[1.9170e+01, 6.3951e-02, 6.9971e-01],
[1.1861e+02, 2.7749e+00, 3.1231e+00],

```

[2.1223e+00, 1.0907e-04, 1.8174e-01],  
 [1.9758e+01, 2.2685e-02, 8.2967e-01],  
 [6.4451e+00, 5.3853e-03, 2.9164e-01],  
 [2.8105e-02, 2.7041e-07, 4.0329e-03],  
 [4.4419e-01, 6.1930e-05, 4.5535e-02],  
 [4.7782e-02, 1.9541e-06, 6.6377e-03],  
 [8.0968e+01, 5.5430e-02, 2.1412e+00],  
 [6.2153e-01, 5.1229e-05, 7.2557e-02],  
 [2.6425e+01, 3.2965e-01, 2.0859e+00],  
 [9.5578e-01, 2.5365e-04, 9.6793e-02],  
 [2.2984e+00, 2.9950e-03, 2.4377e-01],  
 [4.3771e+01, 3.2613e-01, 1.5829e+00],  
 [9.3535e-03, 1.2774e-07, 1.4723e-03],  
 [6.0165e-02, 4.0096e-06, 8.0982e-03],  
 [1.0045e+00, 2.5375e-04, 8.9968e-02],  
 [1.3501e+01, 8.9592e-02, 8.3008e-01],  
 [1.9342e-01, 5.0419e-05, 2.7963e-02],  
 [2.3835e-01, 7.5434e-06, 3.3208e-02],  
 [8.0096e-01, 8.0575e-05, 7.1035e-02],  
 [4.1303e+01, 9.1956e-02, 2.3726e+00],  
 [4.8352e-01, 1.5997e-05, 4.2613e-02],  
 [1.0538e+01, 2.1049e-03, 4.8834e-01],  
 [4.4604e+01, 1.2973e-01, 1.8051e+00],  
 [5.2081e-01, 6.5779e-05, 6.6355e-02],  
 [1.4370e+01, 5.4037e-02, 9.8552e-01],  
 [2.3651e-02, 1.0141e-07, 3.7147e-03],  
 [3.7535e+01, 1.5209e-01, 1.5936e+00],  
 [4.7143e+01, 6.2073e-01, 3.0992e+00],  
 [7.7353e+01, 1.3647e+00, 2.1820e+00],  
 [2.6899e+00, 2.2806e-04, 1.8736e-01],  
 [1.4436e+01, 7.1606e-03, 5.7375e-01],  
 [4.6040e-01, 1.6164e-05, 4.9747e-02],  
 [5.6348e+00, 1.8369e-02, 4.4498e-01],  
 [2.0657e-01, 6.8725e-06, 2.3010e-02],  
 [1.1887e+02, 2.1839e+00, 3.9291e+00],  
 [5.7011e+01, 6.6246e-01, 2.3744e+00],  
 [2.3742e+00, 8.5934e-04, 2.8992e-01],  
 [5.0052e+00, 3.2474e-03, 2.4405e-01],  
 [2.0688e+01, 7.5057e-03, 7.6084e-01],  
 [3.3012e+00, 8.4749e-04, 3.7004e-01],  
 [8.2615e+01, 7.1483e-01, 2.8884e+00],  
 [1.2432e+02, 3.2931e-01, 4.1437e+00],  
 [7.3271e-01, 2.8083e-04, 9.2358e-02],  
 [1.8323e-01, 1.3484e-05, 2.4109e-02],  
 [9.0562e+01, 3.0907e+00, 3.4155e+00],  
 [3.8816e-03, 3.5460e-09, 6.0541e-04],  
 [2.6613e+00, 1.5356e-03, 2.0318e-01],  
 [5.9688e+01, 2.0851e-01, 2.6589e+00],

[1.7713e+01, 1.7507e-02, 5.6000e-01],  
 [1.0845e+00, 1.9745e-04, 1.0547e-01],  
 [4.4374e+01, 2.8394e-01, 1.4374e+00],  
 [4.0544e-01, 8.2769e-05, 3.9750e-02],  
 [5.6078e+01, 5.1179e-01, 1.4569e+00],  
 [1.1188e+01, 1.5101e-02, 4.0530e-01],  
 [2.3749e-01, 2.9726e-05, 2.5220e-02],  
 [3.9940e+01, 7.3945e-02, 1.1988e+00],  
 [2.3830e+01, 9.2458e-02, 1.1256e+00],  
 [2.2526e+00, 4.6395e-04, 1.6880e-01],  
 [9.6893e+01, 1.7349e+00, 2.6505e+00],  
 [5.6549e-02, 1.4003e-06, 7.1740e-03],  
 [4.7676e+01, 6.3514e-02, 1.2118e+00],  
 [7.4576e+01, 9.7246e-01, 2.5141e+00],  
 [2.0275e+01, 1.2502e-02, 1.5605e+00],  
 [2.4130e+00, 1.1044e-03, 1.4481e-01],  
 [5.2313e+01, 3.8556e-01, 1.9842e+00],  
 [2.2684e+00, 5.3655e-04, 1.7465e-01],  
 [2.8364e+01, 8.4087e-02, 1.0830e+00],  
 [9.7085e-01, 1.0474e-04, 1.2914e-01],  
 [1.0271e-01, 4.0611e-06, 1.3195e-02],  
 [1.8119e+01, 1.0095e-02, 5.0865e-01],  
 [1.1929e-01, 6.9049e-06, 1.5258e-02],  
 [5.0901e+01, 1.9543e-01, 1.4664e+00],  
 [2.5109e+01, 9.8616e-02, 1.6950e+00],  
 [7.7967e-01, 1.1178e-04, 7.5964e-02],  
 [1.3261e+01, 1.7903e-02, 4.2316e-01],  
 [3.9957e+00, 2.7124e-03, 2.4280e-01],  
 [3.3796e+01, 3.5931e-01, 2.6255e+00],  
 [1.0520e+02, 2.9483e+00, 2.6993e+00],  
 [7.2131e+00, 8.5108e-03, 6.5147e-01],  
 [3.3485e+02, 6.9049e+00, 4.7790e+00],  
 [2.5637e+01, 5.5532e-02, 1.0242e+00],  
 [1.0956e+01, 1.0078e-01, 1.1637e+00],  
 [5.0715e+01, 3.4302e-01, 2.5308e+00],  
 [1.8124e+01, 5.1119e-02, 8.0180e-01],  
 [1.1443e+01, 9.1836e-03, 6.8996e-01],  
 [2.5694e-01, 1.2319e-05, 2.9329e-02],  
 [8.7810e+00, 1.0995e-02, 4.1756e-01],  
 [1.1651e-02, 1.9942e-07, 1.7801e-03],  
 [2.3022e+01, 6.2150e-02, 7.8027e-01],  
 [7.5054e-01, 4.2397e-04, 7.7424e-02],  
 [6.2232e+01, 1.2542e+00, 2.2172e+00],  
 [1.5748e+00, 9.4678e-04, 1.4065e-01],  
 [4.1277e+01, 1.1288e-01, 1.0889e+00],  
 [1.0466e+01, 2.7455e-03, 4.3644e-01],  
 [3.9447e+00, 1.4082e-03, 1.8600e-01],  
 [3.8213e+00, 1.9869e-02, 4.8198e-01],

[1.4118e+00, 8.4568e-04, 1.6817e-01],  
 [2.8893e+02, 6.9898e+00, 4.7798e+00],  
 [3.8132e+00, 5.6129e-03, 2.6460e-01],  
 [3.2630e+01, 9.4238e-02, 1.6344e+00],  
 [8.7638e+00, 7.8828e-03, 4.1610e-01],  
 [1.2568e+01, 2.3465e-03, 5.9722e-01],  
 [2.6588e+01, 1.0617e-01, 7.9934e-01],  
 [4.6908e-01, 1.5271e-04, 4.8343e-02],  
 [1.0073e+02, 3.9924e-01, 1.8774e+00],  
 [1.9804e+00, 3.0076e-04, 1.5247e-01],  
 [3.4252e+01, 2.6836e-01, 1.4464e+00],  
 [7.2584e-01, 5.5930e-05, 6.4256e-02],  
 [4.5382e+01, 7.1939e-01, 2.2005e+00],  
 [3.9802e+01, 1.3704e-01, 1.3200e+00],  
 [1.1747e-01, 5.2182e-06, 1.5357e-02],  
 [2.4516e+00, 4.2590e-04, 1.3359e-01],  
 [4.7530e+01, 5.4036e-01, 1.3648e+00],  
 [1.2669e+00, 2.5340e-04, 1.3260e-01],  
 [2.4426e+01, 1.0913e-01, 1.8759e+00],  
 [3.0879e+01, 2.1775e-01, 1.0907e+00],  
 [8.6658e-01, 5.4024e-05, 5.4396e-02],  
 [2.7399e+02, 2.1192e+00, 5.0832e+00],  
 [4.1263e+00, 5.3230e-03, 2.6235e-01],  
 [9.7818e-02, 1.1551e-06, 1.3916e-02],  
 [8.0423e+01, 4.9425e-01, 1.7181e+00],  
 [1.8197e+01, 2.4242e-02, 1.0041e+00],  
 [3.7101e-01, 4.2088e-05, 4.0305e-02],  
 [1.1634e-02, 6.8047e-08, 1.7337e-03],  
 [7.7495e+00, 3.0662e-02, 4.7050e-01],  
 [6.2850e+00, 7.7710e-03, 5.8955e-01],  
 [5.7230e-01, 7.2559e-05, 5.1636e-02],  
 [1.4455e+00, 8.6369e-04, 1.4905e-01],  
 [3.6971e+01, 4.3894e-02, 2.2694e+00],  
 [1.0526e+00, 1.2106e-03, 1.1535e-01],  
 [1.9396e-01, 5.5644e-06, 2.0819e-02],  
 [7.5704e-01, 2.2949e-05, 7.7156e-02],  
 [2.8594e-01, 2.5829e-05, 3.7205e-02],  
 [6.3430e+01, 3.3224e-02, 2.3062e+00],  
 [1.7010e+01, 1.3486e-01, 1.1713e+00],  
 [2.8063e-02, 2.8347e-07, 4.0310e-03],  
 [4.5144e+01, 2.3103e-01, 1.4594e+00],  
 [2.0136e+01, 4.1171e-02, 1.2590e+00],  
 [4.8531e-02, 3.5914e-07, 7.5648e-03],  
 [9.5250e-01, 1.5341e-04, 1.1335e-01],  
 [3.1297e+00, 3.6544e-04, 1.6843e-01],  
 [1.4188e+01, 1.3616e-02, 6.0856e-01],  
 [3.6211e+00, 2.1009e-03, 2.0180e-01],  
 [5.1723e-01, 6.2716e-05, 4.9755e-02],

[3.7544e+00, 2.0122e-03, 2.8693e-01],  
[1.7574e-01, 1.0041e-05, 2.2773e-02],  
[7.2248e-01, 7.9946e-05, 6.5542e-02],  
[1.3034e+00, 4.3772e-04, 9.3078e-02],  
[1.7823e+02, 1.3575e+00, 3.8933e+00],  
[1.7359e-01, 2.0560e-05, 2.2629e-02],  
[5.4990e-02, 8.1561e-07, 7.5941e-03],  
[6.2331e-02, 2.9910e-06, 8.9617e-03],  
[9.0237e+00, 2.8344e-02, 7.4495e-01],  
[6.7548e+01, 3.4054e-01, 2.4372e+00],  
[5.9188e-03, 3.7828e-09, 9.3609e-04],  
[1.7426e+00, 7.0401e-04, 1.3054e-01],  
[2.8783e+00, 2.4558e-03, 1.8578e-01],  
[1.5737e+00, 2.7129e-04, 1.0201e-01],  
[1.7573e+00, 3.8064e-04, 1.8392e-01],  
[5.1251e+00, 5.2926e-03, 3.4415e-01],  
[1.1803e+01, 2.4695e-02, 8.1393e-01],  
[1.5398e+02, 4.4322e+00, 3.9449e+00],  
[1.3508e-01, 9.2179e-06, 1.5756e-02],  
[5.9892e-02, 1.5435e-06, 8.5367e-03],  
[8.9533e-02, 1.4002e-06, 1.0592e-02],  
[1.7222e+02, 1.7982e+00, 4.6811e+00],  
[5.2760e-01, 1.6633e-04, 4.5688e-02],  
[7.0686e+00, 1.8982e-02, 6.9053e-01],  
[3.0774e+01, 2.1240e-01, 1.3127e+00],  
[1.1969e-01, 4.6263e-06, 1.4160e-02],  
[1.4483e+01, 1.0803e-01, 9.6842e-01],  
[3.9422e+01, 1.9513e-01, 1.2308e+00],  
[4.5592e+00, 1.6323e-03, 2.8575e-01],  
[1.3238e+00, 3.7968e-04, 1.2045e-01],  
[6.6617e-01, 1.9396e-04, 6.6917e-02],  
[6.7080e+00, 1.3854e-02, 3.9998e-01],  
[1.5539e+02, 2.2349e+00, 4.4005e+00],  
[1.6124e+01, 8.9456e-02, 1.1199e+00],  
[1.8875e+01, 2.3259e-02, 1.0307e+00],  
[4.5243e+01, 1.8666e-01, 9.6439e-01],  
[6.6863e-01, 8.6982e-05, 6.2076e-02],  
[5.2576e+01, 7.5637e-02, 2.0860e+00],  
[6.7413e-01, 2.1405e-04, 5.6999e-02],  
[1.0816e-01, 9.0820e-06, 1.3063e-02],  
[5.0446e+01, 7.5766e-02, 2.9278e+00],  
[6.8159e+01, 4.1620e-01, 3.0631e+00],  
[1.3871e+02, 4.7431e+00, 4.4522e+00],  
[1.3943e-01, 3.7050e-06, 1.6526e-02],  
[4.9576e+00, 4.2887e-03, 4.5347e-01],  
[2.8127e-01, 1.4784e-05, 3.0144e-02],  
[6.3517e+00, 1.3993e-02, 7.4610e-01],  
[6.9312e+00, 1.0847e-02, 3.8168e-01],

[1.6141e+02, 2.9383e+00, 2.8668e+00],  
 [2.9189e+00, 3.8321e-03, 1.9242e-01],  
 [2.9263e-01, 4.0130e-05, 3.3610e-02],  
 [9.9763e+01, 1.2806e+00, 1.9116e+00],  
 [2.6347e+01, 2.5218e-01, 1.2992e+00],  
 [2.7575e+01, 1.1575e-01, 1.8001e+00],  
 [9.2865e-02, 7.5013e-06, 1.1038e-02],  
 [1.5244e-01, 2.0357e-05, 1.8894e-02],  
 [8.3699e+01, 9.6336e-01, 3.5767e+00],  
 [4.6953e-01, 2.4919e-05, 4.9677e-02],  
 [2.4247e-01, 3.8594e-05, 2.5863e-02],  
 [1.2931e+02, 4.9427e-01, 3.2664e+00],  
 [1.8634e-01, 1.3017e-05, 2.2310e-02],  
 [1.8226e+00, 6.5378e-04, 1.6314e-01],  
 [2.5461e+01, 1.3397e-01, 1.1145e+00],  
 [3.0258e+00, 3.5117e-03, 2.1375e-01],  
 [8.5524e+00, 7.7938e-03, 4.0228e-01],  
 [2.1806e+01, 6.5368e-02, 1.3508e+00],  
 [3.0155e-03, 5.7926e-09, 4.7342e-04],  
 [1.0366e+01, 3.1311e-03, 5.5189e-01],  
 [8.5420e+00, 3.0843e-03, 4.8818e-01],  
 [1.4249e+01, 2.9619e-02, 8.1792e-01],  
 [1.4031e+02, 3.6734e+00, 3.0491e+00],  
 [4.1160e+01, 5.3671e-01, 1.5756e+00],  
 [1.2081e+00, 1.9052e-04, 1.6369e-01],  
 [6.6931e+00, 5.7198e-03, 3.2953e-01],  
 [8.3339e+01, 3.1226e-01, 1.6215e+00],  
 [8.3963e+01, 6.3849e-01, 1.6094e+00],  
 [1.3287e+00, 1.2167e-04, 1.3227e-01],  
 [3.0922e-01, 4.8368e-05, 4.3593e-02],  
 [2.6067e+01, 3.5646e-02, 1.2592e+00],  
 [2.1056e+02, 5.3072e+00, 4.5144e+00],  
 [3.7428e-01, 1.8640e-05, 3.8671e-02],  
 [1.3964e+01, 1.0895e-02, 4.7454e-01],  
 [1.5612e-01, 8.5971e-06, 1.6664e-02],  
 [9.6633e-04, 1.2820e-10, 1.5711e-04],  
 [1.9230e+01, 8.2930e-02, 1.3417e+00],  
 [1.8376e+01, 5.2906e-02, 6.5706e-01],  
 [9.5793e+00, 9.8705e-03, 7.0330e-01],  
 [3.1389e+00, 3.8878e-03, 2.3332e-01],  
 [4.0682e+01, 1.1589e-01, 2.0758e+00],  
 [9.8481e-01, 2.8431e-04, 8.6854e-02],  
 [1.1161e+01, 1.9774e-02, 9.3018e-01],  
 [1.9979e-03, 6.5781e-10, 3.2158e-04],  
 [4.3628e+00, 1.4625e-03, 3.6989e-01],  
 [1.7070e+02, 3.6123e+00, 4.8055e+00],  
 [7.0987e-03, 6.1444e-08, 1.0794e-03],  
 [3.1361e+00, 6.5635e-04, 2.5588e-01],

[5.5276e-01, 4.1745e-05, 6.2835e-02],  
[9.3781e-02, 7.0595e-06, 1.2215e-02],  
[3.5488e-03, 1.9265e-08, 5.6650e-04],  
[1.9952e+02, 1.0009e+01, 4.3205e+00],  
[7.9059e-01, 1.4710e-04, 7.4802e-02],  
[4.6222e+00, 2.8850e-03, 2.0523e-01],  
[3.0851e-04, 3.7959e-11, 5.0658e-05],  
[8.9085e+00, 2.2469e-03, 4.6783e-01],  
[1.9551e+02, 8.3473e+00, 4.6453e+00],  
[1.0112e-02, 1.5418e-08, 1.5202e-03],  
[5.4428e-01, 4.5130e-05, 6.6398e-02],  
[2.4790e+00, 2.7061e-03, 1.7763e-01],  
[1.4683e-01, 1.7427e-05, 1.5723e-02],  
[9.7594e+01, 2.7515e-01, 2.6709e+00],  
[1.8772e+01, 3.9776e-02, 1.2363e+00],  
[5.2380e-01, 1.9592e-04, 5.4241e-02],  
[4.5886e+01, 3.5964e-02, 1.6184e+00],  
[4.7133e-01, 3.1022e-04, 6.5624e-02],  
[5.5282e-01, 3.0077e-04, 7.1394e-02],  
[2.9302e+01, 3.6968e-02, 1.5866e+00],  
[2.0627e+00, 4.5484e-04, 2.2996e-01],  
[4.6013e+01, 1.2246e-01, 2.6392e+00],  
[8.1572e+01, 1.5109e+00, 3.1810e+00],  
[7.7282e+00, 1.4438e-02, 4.7680e-01],  
[1.5327e+01, 1.0229e-02, 6.1296e-01],  
[5.3667e+00, 1.1908e-02, 4.4599e-01],  
[3.5674e+01, 5.6316e-01, 2.4107e+00],  
[8.9376e+01, 1.6102e-01, 2.3912e+00],  
[6.4098e+00, 9.8401e-03, 2.9952e-01],  
[1.0349e-02, 6.5034e-08, 1.5887e-03],  
[2.7735e-01, 3.1793e-06, 3.4392e-02],  
[3.4151e+00, 2.6820e-03, 3.5836e-01],  
[6.4953e+01, 1.3013e-01, 3.4618e+00],  
[6.5379e-02, 2.7826e-06, 8.7303e-03],  
[3.9691e+00, 9.0821e-04, 2.7929e-01],  
[7.3441e-01, 8.0550e-05, 6.3689e-02],  
[1.6331e-01, 1.8388e-06, 2.2347e-02],  
[2.9718e+00, 4.5502e-04, 3.2342e-01],  
[1.5666e+01, 1.8572e-02, 8.8396e-01],  
[1.5527e+02, 2.7812e+00, 4.4400e+00],  
[2.5928e+01, 1.3527e-01, 1.0217e+00],  
[1.1201e+00, 2.2723e-04, 7.9703e-02],  
[2.9276e+01, 1.2256e-02, 1.3249e+00],  
[5.5668e+00, 2.8433e-03, 2.8305e-01],  
[9.4335e+00, 2.8532e-03, 4.2610e-01],  
[2.0865e+01, 5.8664e-02, 1.0234e+00],  
[1.1731e+00, 9.0318e-05, 7.2698e-02],  
[3.8390e+00, 3.1638e-03, 1.8525e-01],

```

[9.0030e+01, 9.6183e-01, 1.8584e+00],
[5.4404e+00, 6.5352e-03, 2.9423e-01],
[6.9588e-02, 4.2030e-06, 9.1555e-03],
[2.3405e-01, 2.1916e-05, 2.9247e-02],
[1.4418e+00, 7.3410e-04, 1.2578e-01],
[6.2549e-02, 2.4111e-06, 8.2311e-03],
[2.0574e+01, 1.3411e-01, 8.9855e-01],
[2.2662e+00, 4.4577e-04, 2.3342e-01],
[2.1858e+01, 2.3028e-01, 1.1474e+00],
[6.9991e+00, 3.1395e-03, 5.4883e-01],
[7.3489e+00, 6.2669e-03, 4.9136e-01],
[8.8696e+00, 2.5497e-02, 4.6429e-01],
[4.8718e+01, 9.4524e-02, 2.1683e+00],
[3.6658e+01, 1.3752e-01, 1.5209e+00],
[5.2773e+00, 2.5112e-02, 5.5940e-01],
[4.6553e-02, 3.6777e-07, 6.9291e-03],
[1.0993e-01, 5.3840e-06, 1.2963e-02],
[2.0495e-01, 7.8207e-06, 2.6379e-02],
[3.7251e+01, 1.0016e-01, 9.8544e-01],
[4.1978e+01, 2.1518e-01, 1.2029e+00],
[4.7681e-01, 5.5434e-05, 6.9204e-02],
[1.6531e+00, 8.0892e-05, 1.1853e-01],
[2.1176e+00, 2.4615e-03, 2.3494e-01],
[2.4316e+00, 1.5152e-04, 1.3698e-01],
[6.2130e+00, 1.0065e-02, 4.0653e-01],
[3.4810e+01, 1.8905e-01, 1.1010e+00],
[1.3134e+01, 1.9328e-02, 9.4270e-01],
[4.0972e-01, 4.3046e-05, 3.9543e-02]], dtype=torch.float64)
Iteration: 240
Inputs: tensor([[8.6534e+19, 4.1192e+02, 1.9289e+01, 4.7237e+00],
[1.2037e+18, 3.0058e+02, 7.3976e+00, 6.5329e+00],
[1.3374e+18, 3.5546e+02, 1.8982e+01, 1.1556e+00],
...,
[5.9648e+18, 1.9468e+02, 1.0149e+01, 8.2401e+00],
[9.0324e+18, 8.6392e+01, 8.6335e-01, 6.2003e+00],
[3.0548e+20, 3.2929e+02, 1.3341e+01, 9.1495e+00]], dtype=torch.float64)
Target: tensor([[2.6048e+01, 1.2849e-01, 1.1350e+00],
[1.8836e-01, 9.4379e-06, 1.9254e-02],
[6.3373e-03, 6.4282e-09, 9.7778e-04],
[1.5516e+02, 1.8446e+00, 2.7355e+00],
[3.5547e+01, 8.3299e-02, 1.2002e+00],
[3.1476e+00, 2.2702e-04, 2.7293e-01],
[1.5933e-02, 9.0901e-08, 2.4304e-03],
[1.3396e+01, 9.5638e-03, 1.2318e+00],
[3.3337e+01, 3.7373e-01, 2.0431e+00],
[1.4956e+02, 1.2435e-01, 3.2609e+00],
[6.8535e+01, 1.2750e+00, 3.7825e+00],
[1.4345e+02, 7.6955e-01, 4.4832e+00],

```



[3.4292e+01, 5.3273e-02, 9.4123e-01],  
[1.2033e+01, 6.5776e-02, 1.2480e+00],  
[7.4585e-03, 4.3079e-08, 1.1557e-03],  
[1.6903e+02, 7.1049e+00, 4.2838e+00],  
[2.1998e+00, 1.2842e-03, 1.9153e-01],  
[4.0990e+00, 4.2170e-03, 2.7732e-01],  
[5.6663e-01, 3.0829e-05, 4.0536e-02],  
[1.7959e+01, 2.7316e-01, 1.7568e+00],  
[7.5571e+01, 2.4104e-01, 1.4921e+00],  
[1.6207e+01, 3.9144e-02, 1.4584e+00],  
[3.7810e+00, 5.6452e-04, 2.3447e-01],  
[3.4125e+01, 1.7895e-01, 1.0340e+00],  
[1.4976e+02, 2.9118e+00, 3.5074e+00],  
[8.9236e-01, 1.2641e-04, 8.9405e-02],  
[1.7314e-03, 2.4025e-09, 2.7862e-04],  
[6.1186e-01, 1.8392e-04, 5.5795e-02],  
[4.1314e+01, 3.7469e-02, 2.3708e+00],  
[2.4102e+02, 4.7752e+00, 3.9901e+00],  
[1.4669e+01, 1.8011e-02, 5.4302e-01],  
[4.3307e+01, 5.0550e-01, 1.3892e+00],  
[2.2816e-02, 2.6491e-07, 3.4441e-03],  
[9.0772e+01, 1.9458e+00, 2.5590e+00],  
[8.4692e+00, 2.8628e-03, 5.3249e-01],  
[5.7986e-02, 2.8126e-07, 7.4947e-03],  
[1.3737e+01, 8.3653e-03, 7.1839e-01],  
[1.0908e+00, 3.3540e-04, 1.1549e-01],  
[1.4914e+01, 1.0242e-01, 1.2433e+00],  
[4.9597e+01, 5.5641e-02, 1.9296e+00],  
[1.1251e+01, 4.0390e-02, 5.2749e-01],  
[6.1706e-02, 6.1130e-07, 8.2068e-03],  
[1.6520e+01, 3.1545e-02, 7.2017e-01],  
[7.6476e-01, 6.2981e-05, 8.7059e-02],  
[2.6151e+00, 4.0977e-04, 2.0853e-01],  
[2.2568e-03, 8.6151e-10, 3.5979e-04],  
[4.0163e+01, 2.7300e-01, 1.7399e+00],  
[4.6430e+00, 2.6683e-03, 3.5670e-01],  
[6.5905e-01, 1.6070e-04, 7.7920e-02],  
[1.9323e+02, 2.9747e-01, 4.2036e+00],  
[1.5652e+00, 5.0535e-04, 9.8980e-02],  
[2.9396e-02, 1.0239e-07, 4.4411e-03],  
[1.2134e+01, 1.1100e-02, 4.1358e-01],  
[3.1403e+01, 1.3608e-01, 1.1542e+00],  
[9.0892e-01, 2.4274e-04, 1.0746e-01],  
[1.1217e+01, 5.0993e-03, 1.0535e+00],  
[1.2888e+00, 1.0772e-04, 1.0261e-01],  
[1.3579e+02, 1.8871e+00, 3.2940e+00],  
[3.5234e+00, 1.3021e-03, 1.8871e-01],  
[9.9852e-02, 6.3798e-06, 1.3114e-02],

[1.1501e-02, 1.5761e-07, 1.8191e-03],  
 [5.4176e+00, 1.6656e-03, 2.4959e-01],  
 [1.9630e+01, 8.6005e-03, 1.1874e+00],  
 [4.2236e+01, 1.9842e-01, 1.7158e+00],  
 [2.2371e+00, 1.2823e-03, 1.5348e-01],  
 [1.4042e+00, 1.4045e-03, 1.6059e-01],  
 [1.1990e+00, 1.0165e-04, 7.6247e-02],  
 [4.1250e+01, 3.8417e-01, 1.6962e+00],  
 [3.3858e+01, 1.9595e-01, 1.1928e+00],  
 [8.6609e-03, 1.1471e-08, 1.3401e-03],  
 [6.2635e+00, 1.5828e-02, 6.1973e-01],  
 [1.6558e+01, 9.8886e-02, 6.5515e-01],  
 [1.0743e+00, 3.2070e-04, 7.5001e-02],  
 [1.4988e+02, 3.5716e-01, 3.7044e+00],  
 [2.6381e+00, 7.5931e-05, 2.3113e-01],  
 [4.6775e-03, 3.7913e-09, 7.3708e-04],  
 [8.8959e+00, 2.5082e-02, 7.0948e-01],  
 [7.1670e+00, 2.5557e-02, 4.2279e-01],  
 [2.3409e+01, 5.1274e-02, 6.4388e-01],  
 [2.8266e+01, 8.1866e-03, 1.4307e+00],  
 [4.0479e+00, 4.8007e-04, 3.1249e-01],  
 [3.1435e+01, 2.7822e-01, 1.1533e+00],  
 [6.9014e+01, 8.7118e-01, 3.2855e+00],  
 [1.0095e+01, 1.4988e-02, 1.0003e+00],  
 [2.2167e+01, 8.8637e-02, 8.3664e-01],  
 [1.6211e+01, 6.6511e-02, 7.4320e-01],  
 [2.9201e+00, 1.2827e-03, 1.6648e-01],  
 [4.5747e+01, 4.8362e-01, 2.4987e+00],  
 [7.6843e+00, 1.1874e-02, 4.3727e-01],  
 [6.8415e+00, 1.5258e-03, 4.5000e-01],  
 [3.5437e-01, 5.3912e-05, 3.5502e-02],  
 [1.5927e+01, 3.6435e-02, 5.6749e-01],  
 [2.0833e+01, 7.7755e-02, 9.9226e-01],  
 [4.1934e+00, 2.5935e-03, 2.2164e-01],  
 [1.6823e+00, 1.3331e-03, 1.8434e-01],  
 [4.5365e+01, 4.9258e-01, 2.6477e+00],  
 [9.4207e+00, 3.3940e-02, 4.6357e-01],  
 [1.4115e-01, 1.0342e-06, 1.8707e-02],  
 [8.4073e-02, 1.9891e-06, 1.1813e-02],  
 [4.1031e-01, 2.3755e-05, 3.6292e-02],  
 [1.2262e+01, 3.9970e-02, 6.7782e-01],  
 [1.9407e+01, 8.4846e-02, 1.1144e+00],  
 [5.6742e+00, 9.9913e-03, 3.9787e-01],  
 [6.0862e+01, 5.5250e-01, 3.4906e+00],  
 [3.3327e-01, 9.8114e-05, 4.3167e-02],  
 [8.5946e-01, 2.8014e-04, 7.8039e-02],  
 [7.3940e+00, 1.7673e-03, 3.8466e-01],  
 [7.5158e+01, 1.1469e+00, 3.7927e+00],

[1.2572e-01, 6.5651e-06, 1.4735e-02],  
 [2.1874e+00, 5.8598e-04, 1.3697e-01],  
 [5.1989e+00, 5.6581e-03, 5.2134e-01],  
 [1.5632e+02, 4.2264e-01, 3.9731e+00],  
 [8.0472e+01, 7.4552e-01, 2.4099e+00],  
 [1.1368e-01, 4.3516e-06, 1.7043e-02],  
 [1.8143e+01, 7.2096e-02, 7.3348e-01],  
 [2.0923e+01, 4.5533e-02, 1.7709e+00],  
 [1.0113e+01, 7.1162e-03, 9.1415e-01],  
 [1.7415e+01, 4.0249e-02, 6.1366e-01],  
 [2.0642e+02, 5.1596e-01, 3.2375e+00],  
 [6.2504e-02, 3.8313e-07, 8.8627e-03],  
 [6.6352e-02, 1.8225e-06, 8.9211e-03],  
 [2.9467e-03, 8.9863e-09, 4.7602e-04],  
 [6.9130e-03, 1.2628e-08, 1.0923e-03],  
 [2.0396e+00, 4.8145e-04, 1.8622e-01],  
 [2.2809e-01, 2.2542e-05, 2.5022e-02],  
 [1.2456e+01, 1.4148e-02, 6.3032e-01],  
 [5.2590e+00, 5.5479e-03, 2.5490e-01],  
 [8.0826e-01, 5.1732e-04, 8.9550e-02],  
 [5.5224e+00, 3.7863e-03, 4.1735e-01],  
 [4.4813e+00, 2.2123e-03, 5.5897e-01],  
 [3.0909e+00, 4.4196e-03, 2.4957e-01],  
 [1.4186e+01, 6.9059e-02, 8.3000e-01],  
 [4.9756e-01, 3.4958e-05, 4.2510e-02],  
 [2.1531e+00, 8.5226e-04, 2.0695e-01],  
 [2.4851e+00, 1.8956e-03, 2.5636e-01],  
 [2.6752e+01, 9.0915e-02, 1.2336e+00],  
 [1.6603e-01, 3.7943e-06, 1.8929e-02],  
 [2.3021e+01, 5.4674e-02, 1.0430e+00],  
 [9.7454e-01, 8.7219e-05, 8.3833e-02],  
 [6.6688e-03, 6.6203e-08, 1.0435e-03],  
 [1.1138e+01, 1.5044e-02, 5.7417e-01],  
 [1.7746e+00, 1.9021e-03, 1.9828e-01],  
 [9.9775e-02, 1.0672e-06, 1.1700e-02],  
 [2.0590e+01, 8.6009e-02, 1.3575e+00],  
 [3.6567e+01, 2.0270e-01, 1.1086e+00],  
 [1.0535e+00, 3.4154e-05, 6.5020e-02],  
 [3.0248e+00, 7.0258e-04, 2.5928e-01],  
 [3.7585e-02, 5.6209e-07, 5.3798e-03],  
 [3.5663e-01, 1.4287e-06, 3.1152e-02],  
 [9.5983e-02, 4.4916e-06, 1.1593e-02],  
 [2.5519e+00, 1.9670e-03, 2.3299e-01],  
 [8.4186e+01, 1.9521e+00, 2.2202e+00],  
 [4.2487e-01, 2.5384e-05, 3.7604e-02],  
 [3.3208e-02, 4.9977e-07, 4.7287e-03],  
 [1.0960e-01, 8.8114e-07, 1.2860e-02],  
 [1.0674e+02, 3.1397e+00, 3.5122e+00],

[7.0254e+01, 4.4276e-01, 2.7109e+00],  
[3.2664e+01, 2.3212e-01, 1.1510e+00],  
[8.4462e-01, 3.8858e-05, 9.4479e-02],  
[4.5942e-01, 2.8460e-05, 5.8613e-02],  
[3.4615e+00, 1.6840e-04, 1.7556e-01],  
[1.4972e+01, 1.1558e-02, 8.4275e-01],  
[4.8383e-01, 5.1448e-05, 5.2550e-02],  
[2.1879e+02, 1.2841e+01, 5.0044e+00],  
[9.8260e-02, 1.2894e-06, 1.2598e-02],  
[9.3618e+01, 3.0865e-01, 2.2960e+00],  
[8.8725e+00, 3.8703e-03, 7.4789e-01],  
[4.4562e-02, 6.6555e-07, 6.2815e-03],  
[4.9160e-02, 2.6699e-06, 6.9191e-03],  
[1.0549e+01, 3.6753e-03, 7.1921e-01],  
[1.1074e+02, 1.0653e+00, 4.3629e+00],  
[2.1592e+01, 2.3868e-01, 1.8339e+00],  
[6.1620e-01, 2.1128e-04, 6.5846e-02],  
[1.2311e+01, 1.2085e-01, 9.4149e-01],  
[2.0097e-01, 1.7688e-05, 2.0350e-02],  
[7.5501e-02, 4.3004e-06, 9.7426e-03],  
[1.2400e-02, 4.4262e-08, 1.9055e-03],  
[8.7841e+01, 1.2269e+00, 1.8972e+00],  
[6.6399e+00, 8.9508e-03, 4.4057e-01],  
[1.2286e+00, 1.5152e-04, 1.4170e-01],  
[6.9768e+01, 6.7990e-01, 1.7274e+00],  
[4.7183e-01, 1.5706e-04, 5.4434e-02],  
[2.5479e+00, 7.1511e-04, 1.4949e-01],  
[1.7697e+00, 1.4400e-03, 1.6752e-01],  
[2.6602e+01, 1.6467e-02, 8.1740e-01],  
[4.8287e-02, 1.6138e-06, 6.6076e-03],  
[2.2022e+02, 4.9481e-01, 5.0339e+00],  
[1.5241e+02, 1.8656e+00, 3.0763e+00],  
[6.5653e+01, 6.4807e-01, 2.2523e+00],  
[3.4715e+00, 3.3801e-03, 3.0189e-01],  
[1.6653e+02, 1.7553e+00, 4.1779e+00],  
[9.2763e-02, 1.6368e-05, 1.3486e-02],  
[1.3588e-01, 3.6223e-06, 1.9295e-02],  
[5.9472e+00, 7.6485e-03, 2.9956e-01],  
[1.4356e+02, 2.0642e+00, 4.4744e+00],  
[7.4347e+01, 1.3004e-01, 1.9255e+00],  
[1.8762e+01, 3.0043e-02, 8.8581e-01],  
[1.2440e+02, 4.1612e+00, 3.8071e+00],  
[1.5371e+02, 1.5728e+00, 2.9406e+00],  
[4.8529e+00, 1.5284e-02, 5.5694e-01],  
[9.4414e+01, 1.6667e+00, 3.3981e+00],  
[1.3178e+00, 1.7745e-03, 1.3742e-01],  
[3.0519e+02, 2.4641e+00, 5.0850e+00],  
[5.2844e+00, 6.0499e-03, 3.9638e-01],

[5.0863e+01, 2.5350e-01, 3.0044e+00],  
[1.7718e+01, 6.0827e-02, 6.4196e-01],  
[3.3461e+01, 4.0126e-01, 1.9367e+00],  
[3.6705e+01, 8.7162e-02, 1.3929e+00],  
[7.2481e-01, 9.0210e-05, 8.2599e-02],  
[8.8379e-01, 4.4773e-05, 5.4086e-02],  
[7.5624e-01, 1.4642e-04, 6.2197e-02],  
[3.8090e+00, 4.0583e-03, 2.5884e-01],  
[8.4837e-01, 1.6225e-05, 6.4482e-02],  
[4.2526e+01, 5.2674e-02, 1.5618e+00],  
[1.1001e+01, 1.4489e-02, 3.8474e-01],  
[3.9388e+01, 2.4787e-01, 1.4668e+00],  
[5.2454e+00, 2.6226e-03, 4.5825e-01],  
[1.2937e+01, 2.3971e-03, 6.8299e-01],  
[1.0955e-01, 7.1326e-06, 1.4100e-02],  
[1.5121e+00, 8.2093e-05, 1.2984e-01],  
[1.0944e+00, 1.9264e-04, 7.4853e-02],  
[5.9490e+00, 1.6109e-02, 5.9128e-01],  
[2.3476e+00, 2.1583e-03, 1.9635e-01],  
[5.4488e-01, 6.3524e-05, 7.7142e-02],  
[5.9266e+01, 1.6784e-01, 3.2350e+00],  
[1.1151e+02, 1.0932e-01, 4.2695e+00],  
[8.4814e-01, 8.0543e-05, 8.6614e-02],  
[9.6610e+00, 5.0611e-02, 5.6428e-01],  
[3.3948e-01, 1.2323e-06, 3.2031e-02],  
[4.0027e+00, 7.4224e-03, 2.4490e-01],  
[2.1353e+00, 1.9344e-03, 1.4006e-01],  
[2.0575e+00, 1.9350e-04, 1.8490e-01],  
[9.6056e+01, 1.0052e+00, 2.9871e+00],  
[1.9238e-01, 5.0552e-05, 2.7501e-02],  
[4.7307e-03, 2.2534e-08, 7.3789e-04],  
[6.4628e+01, 4.1358e-01, 1.7451e+00],  
[4.5957e-01, 5.8875e-05, 5.4085e-02],  
[1.8974e+02, 5.8540e+00, 4.7420e+00],  
[9.5645e+00, 2.1359e-02, 9.1392e-01],  
[1.5692e+00, 6.9771e-05, 9.4605e-02],  
[1.5223e-01, 9.3167e-06, 1.7275e-02],  
[6.4588e+01, 3.3222e-01, 3.5217e+00],  
[1.1785e-01, 3.8068e-06, 1.4537e-02],  
[2.6897e+00, 2.6046e-03, 2.9241e-01],  
[1.6048e-01, 3.8824e-06, 2.2954e-02],  
[7.4710e-02, 3.9892e-07, 1.0641e-02],  
[4.9557e+00, 3.4813e-03, 5.7262e-01],  
[5.1846e-01, 8.0938e-06, 6.2934e-02],  
[1.3949e+01, 4.5441e-02, 9.2343e-01],  
[1.8692e+02, 6.7813e+00, 3.7656e+00],  
[1.6490e-01, 3.9769e-07, 1.8830e-02],  
[2.0647e+01, 2.6931e-02, 8.7541e-01],

[8.6290e-01, 1.0622e-04, 5.5540e-02],  
[6.1055e+00, 9.5834e-03, 4.4876e-01],  
[2.5080e-02, 8.5482e-07, 3.7095e-03],  
[6.4047e-02, 1.5679e-06, 8.6161e-03],  
[2.9193e+00, 4.0943e-03, 3.0988e-01],  
[4.0437e-01, 1.2930e-04, 5.7605e-02],  
[7.7249e-03, 9.6961e-09, 1.2008e-03],  
[4.2041e+01, 1.3725e-01, 2.3180e+00],  
[4.5281e-01, 8.7117e-05, 6.1876e-02],  
[8.9683e-01, 1.0869e-04, 7.6963e-02],  
[5.9988e+01, 6.1265e-01, 2.3140e+00],  
[9.0259e-01, 2.2393e-04, 8.4384e-02],  
[2.0034e+01, 3.3475e-02, 9.5525e-01],  
[1.0009e-02, 2.6069e-08, 1.5688e-03],  
[2.1187e+01, 9.9223e-02, 7.9756e-01],  
[1.0468e+02, 6.4560e-01, 3.0044e+00],  
[6.0235e-01, 7.5540e-05, 8.1913e-02],  
[4.2575e+01, 3.6700e-01, 2.3334e+00],  
[5.2971e-01, 1.4282e-04, 5.4624e-02],  
[2.3657e+01, 6.5237e-02, 8.4199e-01],  
[2.6261e-02, 1.2615e-07, 3.6857e-03],  
[9.0542e+01, 7.7748e-01, 3.1130e+00],  
[1.8179e-01, 2.4660e-05, 2.4423e-02],  
[4.4707e-02, 1.4898e-06, 6.3977e-03],  
[2.1548e+02, 4.4627e+00, 4.0070e+00],  
[3.0298e+01, 5.5912e-02, 1.7621e+00],  
[2.4259e+01, 1.8392e-01, 1.2941e+00],  
[5.3324e-01, 7.5422e-05, 6.1861e-02],  
[1.0330e+00, 5.1828e-04, 1.0187e-01],  
[1.2266e-01, 1.0026e-05, 1.3403e-02],  
[2.4950e+01, 1.0275e-01, 1.2742e+00],  
[5.4442e+01, 5.5328e-01, 3.2952e+00],  
[1.5880e+00, 3.7268e-04, 1.3214e-01],  
[6.6337e+01, 7.1620e-01, 1.5876e+00],  
[5.4420e+01, 1.8178e-01, 3.3075e+00],  
[6.7466e-01, 2.0240e-04, 6.5001e-02],  
[3.1367e+01, 9.9527e-02, 8.6300e-01],  
[1.1790e-02, 2.0383e-07, 1.7481e-03],  
[4.9890e+00, 4.1569e-03, 3.2829e-01],  
[2.8709e+01, 2.9712e-01, 1.2939e+00],  
[7.4863e+01, 7.0086e-01, 3.5253e+00],  
[2.1462e+01, 7.8224e-02, 9.2340e-01],  
[2.7844e-01, 3.7000e-06, 2.8793e-02],  
[4.5062e+01, 4.0518e-02, 1.6411e+00],  
[1.9128e-01, 4.3998e-06, 2.5726e-02],  
[1.2591e+01, 4.6898e-02, 5.2073e-01],  
[8.4914e+01, 1.0459e+00, 2.6246e+00],  
[1.6365e+01, 1.6804e-02, 1.0678e+00],

```

[2.3600e+00, 3.5696e-03, 2.0112e-01],
[6.3884e+01, 2.7122e-01, 2.3189e+00],
[8.0996e+01, 7.6924e-01, 2.6207e+00],
[1.6802e+00, 1.5804e-04, 1.6159e-01],
[4.5357e-01, 6.9589e-05, 4.5280e-02],
[4.9396e+01, 3.3841e-01, 3.0455e+00],
[2.0936e+00, 4.1695e-04, 1.8705e-01],
[7.9985e+01, 4.5356e-02, 3.0636e+00],
[2.5656e-02, 7.2036e-07, 3.9959e-03],
[4.9118e+00, 2.0035e-03, 3.1636e-01],
[2.9099e+00, 1.3266e-03, 2.2795e-01],
[3.6512e-01, 4.3376e-06, 3.0848e-02],
[3.6847e+01, 2.5959e-01, 1.0183e+00],
[2.3014e+00, 2.2575e-03, 2.5380e-01],
[7.9699e-01, 2.4856e-04, 8.3532e-02],
[2.9343e-02, 4.5501e-07, 4.0950e-03],
[1.4786e-01, 6.9860e-06, 1.6853e-02],
[1.0500e+00, 4.2878e-04, 9.5542e-02],
[1.5094e+00, 2.7053e-04, 1.3471e-01],
[9.5853e+01, 2.2321e+00, 2.6203e+00]], dtype=torch.float64)
Iteration: 241
Inputs: tensor([[4.6641e+20, 1.6500e+02, 1.3716e+01, 6.9808e+00],
[4.7268e+18, 2.4288e+02, 2.3328e+00, 8.2915e+00],
[2.4072e+19, 3.8308e+02, 1.3789e+01, 5.5878e+00],
...,
[8.9344e+18, 3.2564e+02, 1.6701e+01, 8.3427e+00],
[3.9114e+20, 7.3097e+01, 1.7709e+01, 9.8074e+00],
[1.4715e+20, 4.2852e+02, 1.0012e+01, 3.5046e+00]], dtype=torch.float64)
Target: tensor([[6.5565e+01, 9.6257e-01, 2.8732e+00],
[2.0485e+00, 5.8865e-04, 1.3003e-01],
[9.2899e+00, 1.5141e-02, 4.7889e-01],
[1.2992e+01, 2.6895e-02, 5.2423e-01],
[4.9169e+00, 4.5633e-03, 5.0903e-01],
[3.5534e-01, 1.2824e-06, 3.0198e-02],
[8.8364e+00, 1.2307e-03, 3.0195e-01],
[9.5641e-03, 1.2464e-07, 1.4534e-03],
[2.3067e+01, 2.0246e-02, 1.2371e+00],
[5.6945e+01, 5.5525e-01, 1.3104e+00],
[1.3391e+00, 5.6452e-04, 1.2159e-01],
[9.5576e+01, 7.9016e-01, 3.4923e+00],
[3.6946e+01, 3.3102e-01, 1.7886e+00],
[8.1568e+01, 2.9819e+00, 3.9400e+00],
[1.4414e+01, 8.0487e-03, 7.1879e-01],
[1.2086e-01, 1.4404e-06, 1.5827e-02],
[1.5014e+02, 5.6744e-01, 3.6501e+00],
[3.4078e+01, 2.4550e-01, 1.6951e+00],
[3.0849e+01, 7.0209e-02, 1.8416e+00],
[4.2673e-02, 2.8618e-06, 6.4401e-03],

```

[2.5232e-02, 6.5930e-07, 3.9245e-03],  
[1.8055e+01, 5.1838e-02, 9.2833e-01],  
[2.8357e+01, 9.0505e-02, 1.2531e+00],  
[1.3871e+02, 3.5031e+00, 3.0516e+00],  
[3.4308e+00, 1.2373e-03, 2.3418e-01],  
[5.3487e+01, 7.7744e-01, 1.5625e+00],  
[2.2391e-01, 6.4547e-06, 2.1524e-02],  
[1.9297e+02, 1.0314e+00, 4.1708e+00],  
[1.0603e-01, 4.3677e-07, 1.2277e-02],  
[3.4020e+01, 1.4649e-02, 1.0152e+00],  
[4.2893e-01, 1.2864e-04, 4.3088e-02],  
[1.4573e+02, 1.6408e+00, 2.7048e+00],  
[8.7378e+00, 2.3729e-02, 4.7858e-01],  
[1.4929e-02, 8.9577e-08, 2.3300e-03],  
[1.9146e+01, 2.5124e-02, 1.1784e+00],  
[6.8390e+01, 6.5197e-01, 2.6656e+00],  
[9.7754e+01, 6.0981e-01, 3.8259e+00],  
[8.7403e-01, 2.2042e-04, 9.3591e-02],  
[8.2612e+01, 1.7372e+00, 2.6903e+00],  
[2.5756e+00, 1.5211e-03, 3.3490e-01],  
[4.6107e-01, 4.7092e-05, 4.5088e-02],  
[4.0710e-01, 2.1115e-06, 3.1210e-02],  
[1.1824e+01, 6.4138e-03, 8.4189e-01],  
[2.5819e+01, 8.5046e-02, 9.3472e-01],  
[1.9889e+01, 4.8589e-02, 1.0159e+00],  
[7.7428e-01, 9.1496e-06, 5.7664e-02],  
[1.5285e+02, 1.6568e+00, 2.6325e+00],  
[1.0035e+02, 1.8783e+00, 2.2220e+00],  
[5.1186e+01, 1.5818e-01, 2.8639e+00],  
[1.0289e+01, 1.2609e-02, 4.8574e-01],  
[3.9607e+00, 2.9356e-03, 2.2583e-01],  
[8.7288e+01, 3.6067e-01, 2.2960e+00],  
[1.2557e+02, 1.5142e+00, 2.1765e+00],  
[1.6878e+00, 1.6382e-04, 1.5587e-01],  
[1.0653e+01, 2.1951e-02, 6.3439e-01],  
[1.6058e+02, 7.2238e+00, 4.7781e+00],  
[2.0405e+00, 3.7032e-04, 1.1273e-01],  
[9.0413e+01, 5.2567e-01, 2.3645e+00],  
[1.4767e+02, 2.0163e+00, 4.3144e+00],  
[3.6338e+01, 4.1012e-01, 1.2333e+00],  
[8.1714e-03, 4.8582e-09, 1.2883e-03],  
[3.3409e+00, 1.8278e-03, 3.0620e-01],  
[1.5418e+01, 1.3188e-03, 5.5126e-01],  
[1.7418e+01, 1.4006e-01, 1.6190e+00],  
[2.6002e+01, 1.9006e-02, 1.6033e+00],  
[8.1320e+00, 6.5569e-03, 8.1987e-01],  
[2.9425e+01, 5.2061e-02, 1.0274e+00],  
[7.0853e-01, 1.6374e-05, 5.4993e-02],



[4.8208e+01, 3.5976e-01, 1.7559e+00],  
[2.6931e+00, 2.0340e-04, 1.5483e-01],  
[4.4618e-01, 1.1099e-04, 4.1955e-02],  
[4.8893e+00, 2.4528e-03, 4.2075e-01],  
[7.0480e-01, 3.2818e-04, 6.7593e-02],  
[4.3240e+00, 1.9760e-03, 2.0270e-01],  
[3.7433e+01, 1.6365e-01, 1.5564e+00],  
[4.8553e+01, 3.1146e-01, 1.0346e+00],  
[8.3325e-01, 4.9880e-04, 7.9598e-02],  
[1.7683e+02, 7.0690e-01, 3.6704e+00],  
[2.0468e+02, 2.4650e+00, 4.1874e+00],  
[6.1503e+00, 2.7371e-03, 7.2300e-01],  
[2.3381e+00, 1.0699e-03, 1.6154e-01],  
[7.7418e-02, 2.9167e-06, 9.8839e-03],  
[2.4157e+02, 3.7371e+00, 4.9192e+00],  
[1.2290e+02, 1.0150e+00, 3.4108e+00],  
[9.8084e-02, 5.9961e-06, 1.1466e-02],  
[9.1261e+01, 1.2894e+00, 2.2354e+00],  
[1.5120e+02, 3.5555e+00, 4.3030e+00],  
[8.4919e-02, 1.0713e-06, 1.1569e-02],  
[7.2877e+01, 2.3721e-01, 3.3886e+00],  
[4.9829e+00, 5.0186e-03, 4.7060e-01],  
[1.3414e+00, 3.9946e-04, 1.1984e-01],  
[2.0727e-01, 5.3710e-06, 2.5269e-02],  
[2.4313e-01, 4.5400e-06, 3.0637e-02],  
[4.8801e+01, 1.1081e-01, 1.9305e+00],  
[2.1357e+01, 5.5146e-02, 6.7170e-01],  
[2.4404e-02, 6.1992e-07, 3.7096e-03],  
[1.9368e+02, 1.1149e+00, 4.0916e+00],  
[4.8584e+01, 4.6939e-01, 2.3326e+00],  
[1.0380e+01, 1.3132e-02, 4.8931e-01],  
[1.3806e+02, 4.1746e+00, 3.8719e+00],  
[5.8462e+00, 7.1909e-03, 3.3114e-01],  
[6.6788e+00, 9.5218e-03, 5.6052e-01],  
[1.0413e+00, 3.5646e-04, 9.5863e-02],  
[3.7644e-01, 2.4606e-05, 3.2108e-02],  
[3.1012e+00, 1.3043e-03, 2.3489e-01],  
[3.8195e-01, 6.2863e-05, 3.6005e-02],  
[5.1473e+00, 9.6098e-03, 3.4913e-01],  
[2.2382e+02, 2.9048e+00, 3.8683e+00],  
[3.5987e+00, 1.1938e-03, 3.3648e-01],  
[5.8441e-01, 2.4521e-04, 5.5973e-02],  
[1.5479e+01, 4.2189e-03, 6.8793e-01],  
[7.8909e+01, 9.3775e-02, 2.5335e+00],  
[7.1123e+01, 4.7004e-01, 1.8326e+00],  
[5.1744e+00, 3.4501e-03, 4.0229e-01],  
[4.4826e+00, 8.8660e-03, 3.6119e-01],  
[3.7982e+00, 2.1506e-03, 3.7024e-01],

[4.8950e+00, 7.3817e-03, 3.4722e-01],  
[7.7852e-02, 4.7810e-07, 1.1545e-02],  
[1.7167e-01, 5.4042e-06, 2.2396e-02],  
[4.5748e-01, 3.2691e-06, 4.7844e-02],  
[2.3592e+00, 8.1605e-04, 1.5325e-01],  
[7.5484e+00, 2.5546e-02, 8.4664e-01],  
[1.8430e+00, 6.4964e-04, 1.0685e-01],  
[3.5582e+00, 5.1358e-03, 4.5968e-01],  
[6.8188e+01, 1.6139e+00, 2.0201e+00],  
[2.3616e-01, 3.5954e-05, 2.8748e-02],  
[3.1626e+01, 5.0079e-02, 2.5053e+00],  
[1.1369e+02, 9.9037e-01, 2.2033e+00],  
[8.0135e+00, 4.8003e-03, 3.1290e-01],  
[2.5313e-02, 1.7373e-07, 3.5737e-03],  
[1.7200e+00, 8.5301e-04, 1.3411e-01],  
[2.3133e+01, 2.7020e-02, 7.3142e-01],  
[4.5143e+00, 5.2465e-03, 5.3742e-01],  
[8.4836e+01, 3.4070e-01, 1.7873e+00],  
[2.6871e+00, 2.1895e-03, 2.2886e-01],  
[2.2896e-01, 2.1224e-06, 2.8682e-02],  
[2.6589e+01, 1.1205e-02, 1.3748e+00],  
[6.9482e+01, 2.0974e-01, 2.8139e+00],  
[4.6993e+01, 1.7563e-01, 1.2193e+00],  
[1.4295e+01, 2.8789e-03, 5.0122e-01],  
[1.2210e+00, 4.9783e-04, 1.6544e-01],  
[2.5082e+02, 2.1610e+00, 4.6869e+00],  
[8.5619e+01, 4.8599e-01, 3.5675e+00],  
[4.7186e-03, 1.6567e-09, 7.4244e-04],  
[3.9161e+01, 3.3121e-01, 9.6530e-01],  
[5.0440e+00, 3.9654e-03, 2.4292e-01],  
[1.0647e-01, 6.2515e-06, 1.4667e-02],  
[3.2119e-01, 5.9493e-06, 2.8826e-02],  
[8.1253e+01, 1.8663e+00, 2.3886e+00],  
[1.0522e+01, 7.8473e-03, 3.6025e-01],  
[2.7002e-03, 3.0697e-09, 4.4020e-04],  
[4.2717e+00, 2.3089e-03, 2.8077e-01],  
[4.8963e-01, 4.0357e-05, 4.1099e-02],  
[1.3573e+01, 7.2106e-03, 5.0152e-01],  
[1.8857e-01, 4.8246e-06, 2.5970e-02],  
[4.2860e+01, 9.7181e-02, 1.6420e+00],  
[1.0798e+02, 1.0847e+00, 2.3120e+00],  
[5.0669e-01, 4.3320e-05, 5.3019e-02],  
[1.6981e-01, 1.5905e-06, 1.7304e-02],  
[6.3412e-01, 1.8620e-05, 5.9192e-02],  
[1.4668e+02, 1.4855e+00, 2.5978e+00],  
[7.4590e+00, 1.9108e-02, 3.7389e-01],  
[7.6091e+01, 7.0295e-01, 3.9210e+00],  
[2.6156e+00, 3.9473e-04, 2.4236e-01],

[7.5162e+01, 4.0788e-01, 1.7272e+00],  
 [2.5606e+00, 1.6558e-03, 2.7189e-01],  
 [1.0522e+01, 3.3407e-02, 5.3972e-01],  
 [1.0061e+01, 4.1628e-02, 6.8581e-01],  
 [1.2945e+00, 3.6665e-04, 9.0883e-02],  
 [5.1652e+00, 1.5286e-03, 4.1391e-01],  
 [1.9542e+00, 5.3237e-04, 1.5118e-01],  
 [8.9779e+01, 3.2837e-01, 2.8362e+00],  
 [3.1170e+00, 2.5981e-03, 1.9566e-01],  
 [1.0620e+01, 1.4929e-03, 5.1438e-01],  
 [7.3610e-01, 5.2294e-05, 6.7750e-02],  
 [4.8689e-02, 5.3575e-07, 6.5080e-03],  
 [5.4959e+01, 5.9678e-01, 2.4320e+00],  
 [1.0789e+00, 9.5220e-04, 1.4853e-01],  
 [5.6355e-02, 1.9786e-06, 7.7493e-03],  
 [8.5147e-02, 2.2464e-06, 1.0557e-02],  
 [2.3263e+00, 9.9161e-04, 1.4454e-01],  
 [4.5329e+01, 2.4905e-01, 3.0418e+00],  
 [8.7843e-01, 1.9040e-04, 7.3519e-02],  
 [1.7159e+00, 1.3909e-03, 1.2737e-01],  
 [1.8591e+01, 9.6469e-02, 7.6345e-01],  
 [2.0106e+01, 2.7740e-02, 1.2055e+00],  
 [1.9914e+00, 4.7405e-04, 2.2413e-01],  
 [1.2523e+02, 1.7805e+00, 4.3136e+00],  
 [4.4491e-02, 3.2602e-07, 6.3590e-03],  
 [1.5052e-01, 5.9257e-06, 1.9472e-02],  
 [2.7120e+01, 2.1640e-01, 1.8337e+00],  
 [4.6145e+01, 2.4895e-01, 2.8941e+00],  
 [5.7188e-03, 3.4414e-08, 8.8477e-04],  
 [3.5653e-01, 1.9753e-05, 4.1092e-02],  
 [2.2437e+01, 9.0834e-03, 1.3700e+00],  
 [3.8755e-01, 2.5496e-05, 3.5775e-02],  
 [7.1894e+00, 1.1826e-03, 3.0125e-01],  
 [4.3241e-01, 3.8888e-05, 3.7490e-02],  
 [4.9411e+01, 5.1633e-01, 2.1142e+00],  
 [1.2201e-02, 8.4134e-08, 1.8130e-03],  
 [1.3823e+02, 1.3808e-01, 3.7972e+00],  
 [1.9943e+02, 4.2737e+00, 3.4089e+00],  
 [2.8183e-01, 6.6033e-06, 3.4705e-02],  
 [8.8187e+01, 2.0362e+00, 2.7319e+00],  
 [7.5765e+01, 1.6940e+00, 2.0921e+00],  
 [1.0887e+00, 1.3746e-04, 7.8342e-02],  
 [1.6032e-01, 6.1481e-06, 1.8647e-02],  
 [6.0785e+01, 3.2587e-01, 1.6992e+00],  
 [3.4812e+00, 8.3973e-04, 3.7101e-01],  
 [2.7066e+01, 1.1326e-01, 1.0207e+00],  
 [4.4039e-02, 4.0518e-07, 6.3252e-03],  
 [4.5085e-03, 4.2652e-09, 6.9791e-04],

[1.6385e-02, 3.8903e-08, 2.5661e-03],  
[2.0291e-02, 3.4846e-07, 2.9000e-03],  
[1.5988e+01, 6.6102e-02, 8.2567e-01],  
[1.4872e+02, 4.5270e+00, 3.9914e+00],  
[5.6154e-02, 4.6654e-07, 7.2876e-03],  
[4.1742e-01, 3.5938e-05, 3.6088e-02],  
[4.0339e+00, 4.0535e-03, 3.8729e-01],  
[1.6213e+01, 4.5207e-02, 6.5061e-01],  
[2.0780e+01, 4.7024e-02, 5.9645e-01],  
[7.2900e+01, 5.8673e-01, 3.5936e+00],  
[8.0986e+00, 1.2381e-02, 5.0997e-01],  
[8.6101e+01, 1.5534e+00, 2.3501e+00],  
[4.1361e-01, 1.4109e-05, 4.9894e-02],  
[1.4905e+01, 3.1294e-02, 7.5869e-01],  
[2.0384e+01, 5.4246e-02, 1.0488e+00],  
[2.5497e-01, 9.0538e-05, 3.5697e-02],  
[3.3410e-01, 8.2546e-05, 4.7487e-02],  
[1.0622e+01, 6.7756e-03, 7.8614e-01],  
[3.3589e+01, 1.9330e-01, 1.1438e+00],  
[7.4573e+01, 2.0389e-01, 2.8494e+00],  
[5.2037e+00, 8.9156e-03, 4.8216e-01],  
[1.7459e-01, 6.7021e-06, 2.4552e-02],  
[1.7717e-01, 6.4513e-06, 2.5710e-02],  
[4.5503e+01, 4.4272e-02, 1.1634e+00],  
[5.0869e+01, 2.3390e-01, 2.4727e+00],  
[1.2439e+01, 3.6467e-02, 8.5548e-01],  
[5.8792e-02, 1.7081e-06, 8.3399e-03],  
[1.0391e+02, 5.1840e-02, 3.3120e+00],  
[1.2942e+00, 1.0437e-04, 1.4159e-01],  
[1.3026e+02, 1.8392e+00, 3.0340e+00],  
[1.6908e+01, 1.0363e-01, 9.1417e-01],  
[2.9208e-01, 3.1462e-05, 2.6136e-02],  
[2.7819e-01, 3.6034e-05, 3.0077e-02],  
[1.4857e-01, 2.0067e-05, 2.0431e-02],  
[2.5206e+02, 4.6803e+00, 4.2786e+00],  
[6.5783e-02, 4.1944e-06, 8.6145e-03],  
[1.0212e+00, 9.8000e-04, 1.3434e-01],  
[1.7721e+01, 1.6581e-02, 6.3500e-01],  
[5.7210e-01, 1.3976e-04, 6.2390e-02],  
[7.9700e+00, 2.3744e-02, 7.1892e-01],  
[5.6055e-02, 6.0416e-07, 7.4204e-03],  
[2.9026e+01, 1.8745e-02, 7.7417e-01],  
[7.0465e-01, 7.7097e-05, 7.9777e-02],  
[5.4208e+00, 6.1987e-03, 3.8923e-01],  
[6.8244e+01, 4.8498e-02, 2.4600e+00],  
[8.0971e+01, 1.7054e+00, 2.8542e+00],  
[1.0990e+00, 1.7682e-04, 1.0599e-01],  
[2.3815e+01, 2.6929e-02, 8.7597e-01],

[3.9606e-03, 1.7307e-08, 6.2725e-04],  
[1.9463e+02, 3.9375e+00, 4.9659e+00],  
[1.2867e+01, 1.1591e-01, 1.0990e+00],  
[1.2280e+00, 3.1354e-05, 8.7533e-02],  
[3.7104e-01, 2.9049e-05, 5.5584e-02],  
[1.0312e+01, 7.0639e-03, 4.4273e-01],  
[6.9041e+01, 1.0856e+00, 2.2320e+00],  
[4.3152e+01, 1.3336e-01, 2.2833e+00],  
[1.2950e+00, 4.5803e-04, 9.0267e-02],  
[1.8558e+01, 1.0220e-01, 1.1750e+00],  
[1.1988e+01, 1.8775e-02, 6.1143e-01],  
[1.1756e+00, 4.0716e-04, 1.1853e-01],  
[3.2839e+01, 3.7409e-01, 1.3065e+00],  
[9.5589e-01, 7.2140e-05, 5.6007e-02],  
[1.0239e-01, 3.4582e-06, 1.1802e-02],  
[1.2942e+00, 6.7950e-04, 1.1081e-01],  
[2.1171e+01, 7.6279e-02, 9.2604e-01],  
[1.5528e+01, 2.9894e-02, 8.2827e-01],  
[6.4563e+01, 9.8177e-02, 1.6843e+00],  
[5.7143e+01, 3.3465e-01, 2.1145e+00],  
[1.3487e+01, 4.1844e-02, 6.5942e-01],  
[4.0645e+01, 3.6301e-01, 2.7502e+00],  
[1.7025e-01, 2.5186e-05, 2.1162e-02],  
[6.2035e+01, 3.9117e-01, 2.6135e+00],  
[1.7787e+00, 1.9565e-03, 1.7788e-01],  
[3.3334e+00, 2.7047e-03, 2.0383e-01],  
[8.2206e+01, 9.6696e-01, 3.0836e+00],  
[1.0391e-01, 1.5232e-06, 1.4566e-02],  
[2.8487e-01, 3.7043e-05, 3.0128e-02],  
[5.0033e+00, 4.0462e-03, 3.4104e-01],  
[1.6900e+01, 5.2400e-02, 1.2407e+00],  
[8.9275e+01, 2.0320e+00, 2.1118e+00],  
[6.7690e+00, 4.2605e-03, 5.0499e-01],  
[1.0854e-01, 2.5323e-06, 1.4100e-02],  
[2.1557e+00, 1.5760e-03, 1.7186e-01],  
[4.9760e+01, 4.3600e-01, 2.2038e+00],  
[8.0311e+00, 1.6479e-02, 7.4497e-01],  
[2.9359e-01, 1.6814e-05, 3.7027e-02],  
[2.9358e-01, 4.7373e-05, 3.1471e-02],  
[1.8673e+01, 6.3552e-02, 7.7117e-01],  
[1.5953e+00, 3.2982e-04, 9.9920e-02],  
[1.0854e+02, 4.4474e-01, 4.2347e+00],  
[2.0215e-01, 2.8799e-06, 2.6110e-02],  
[2.5164e+01, 1.8322e-01, 1.0833e+00],  
[3.3123e+01, 3.1412e-01, 1.9287e+00],  
[1.2060e+01, 4.0333e-02, 9.7009e-01],  
[1.6842e+00, 8.1425e-04, 1.8427e-01],  
[1.1128e+01, 8.3597e-03, 4.4515e-01],

```

[7.4919e+01, 8.4723e-01, 3.5699e+00],
[8.6263e+01, 3.2661e-01, 2.5903e+00],
[1.6211e+01, 1.7314e-02, 8.0928e-01],
[3.5256e+01, 2.5471e-01, 1.7330e+00],
[1.8631e+00, 6.1970e-05, 1.5412e-01],
[6.2636e+00, 2.0573e-02, 5.8365e-01],
[7.1085e+00, 1.0064e-02, 3.1608e-01],
[1.4199e+02, 5.9237e-02, 3.0563e+00],
[9.8592e-01, 1.1340e-04, 7.3749e-02],
[2.5550e+00, 2.6431e-03, 1.8404e-01],
[2.5293e+01, 4.4578e-01, 1.8176e+00],
[5.0145e+01, 1.6034e-01, 1.6788e+00]], dtype=torch.float64)
Iteration: 242
Inputs: tensor([[3.6799e+18, 2.8111e+02, 1.2657e+01, 5.5661e+00],
[1.0128e+18, 6.3656e+01, 6.0431e+00, 9.1772e+00],
[4.0958e+19, 2.3751e+02, 1.7755e+01, 3.5682e+00],
...,
[1.4622e+19, 4.1715e+02, 1.0307e+01, 8.0996e+00],
[6.5399e+20, 4.1494e+02, 1.7157e+01, 5.0523e+00],
[1.8289e+20, 3.0185e+02, 8.1159e+00, 7.5875e+00]], dtype=torch.float64)
Target: tensor([[4.9778e-01, 7.3342e-05, 5.0643e-02],
[1.2658e-02, 1.4216e-07, 1.8608e-03],
[5.5882e+00, 7.1088e-03, 4.4371e-01],
[1.7233e+02, 2.7291e+00, 4.4288e+00],
[1.3533e+01, 3.7612e-02, 8.3668e-01],
[4.4974e+00, 2.6642e-04, 3.3492e-01],
[6.0167e-01, 1.0468e-04, 6.2916e-02],
[5.0713e-01, 3.5553e-05, 5.4255e-02],
[8.8576e+00, 1.3800e-02, 4.1697e-01],
[8.8135e+00, 3.4626e-02, 8.6624e-01],
[3.5469e+00, 4.9185e-03, 2.4267e-01],
[1.5273e-01, 1.4240e-05, 1.6392e-02],
[2.2951e+02, 1.4444e-01, 4.4402e+00],
[3.1784e-03, 1.4061e-08, 5.0477e-04],
[1.8309e+01, 4.7101e-02, 6.2569e-01],
[1.7195e+01, 2.7536e-02, 5.6826e-01],
[4.0538e-01, 8.6779e-06, 4.0915e-02],
[9.6015e-02, 8.1420e-06, 1.1746e-02],
[2.8935e+01, 1.2748e-01, 1.2014e+00],
[1.4773e+01, 1.8624e-02, 4.2194e-01],
[1.2357e-01, 8.8201e-06, 1.5483e-02],
[6.5883e+00, 1.0940e-02, 3.9062e-01],
[9.6923e+00, 2.2110e-02, 4.6308e-01],
[1.7178e-02, 2.1341e-07, 2.4849e-03],
[1.8649e+00, 1.9585e-04, 1.0893e-01],
[8.5240e-05, 8.2532e-13, 1.4068e-05],
[1.1321e+00, 5.1263e-04, 9.8569e-02],
[2.2172e-01, 2.2974e-05, 3.2809e-02],

```

[1.1833e+02, 6.8958e-01, 2.4359e+00],  
[1.0748e+02, 2.2127e+00, 2.7778e+00],  
[2.2166e+00, 4.1435e-03, 2.2510e-01],  
[1.8888e+01, 1.5332e-01, 1.4010e+00],  
[6.9819e-02, 3.2216e-06, 9.4373e-03],  
[4.6993e+01, 5.1348e-01, 1.4524e+00],  
[2.2922e-01, 1.6718e-06, 2.3175e-02],  
[1.3569e+00, 3.7489e-05, 1.0812e-01],  
[1.2987e-01, 5.7553e-06, 1.6023e-02],  
[1.5771e+02, 1.2890e+00, 4.5008e+00],  
[2.7158e+01, 4.1713e-02, 1.1995e+00],  
[8.1874e-01, 2.4031e-04, 6.4893e-02],  
[7.0101e-02, 4.7929e-07, 9.9357e-03],  
[1.5982e+01, 1.0254e-02, 7.7356e-01],  
[7.8357e+01, 1.4990e+00, 3.4868e+00],  
[6.8009e+01, 8.4777e-01, 2.1842e+00],  
[5.7784e+00, 8.8760e-03, 3.1172e-01],  
[6.2402e+01, 7.5773e-01, 2.2570e+00],  
[2.7135e-01, 3.4796e-05, 3.3738e-02],  
[3.0541e+01, 1.5429e-01, 1.3489e+00],  
[5.4130e+00, 6.7504e-03, 4.6247e-01],  
[1.5368e+01, 1.8533e-02, 1.2709e+00],  
[1.1072e-02, 1.4430e-07, 1.6579e-03],  
[1.6314e+01, 3.6907e-02, 7.9449e-01],  
[2.2542e+01, 2.0386e-01, 9.8746e-01],  
[1.1958e-01, 5.8819e-06, 1.3860e-02],  
[1.5197e+00, 1.5136e-04, 1.2754e-01],  
[4.4655e+01, 1.3078e-01, 9.3033e-01],  
[1.2296e+02, 1.6555e-01, 4.2478e+00],  
[1.2444e+01, 3.6266e-02, 5.8156e-01],  
[4.8518e+01, 2.5221e-01, 1.6711e+00],  
[4.6823e-02, 5.8096e-07, 6.5747e-03],  
[5.4713e+00, 2.4345e-03, 5.4680e-01],  
[1.4620e+02, 2.3590e+00, 2.5323e+00],  
[7.5543e+00, 1.1428e-02, 3.7094e-01],  
[4.0273e+01, 2.3286e-01, 1.1099e+00],  
[3.0061e-02, 3.9848e-07, 4.4516e-03],  
[1.7753e+01, 1.1755e-02, 5.5327e-01],  
[5.6434e+01, 8.0910e-02, 2.0861e+00],  
[4.9317e-01, 1.2266e-04, 5.1320e-02],  
[1.9437e+01, 7.4050e-02, 8.4635e-01],  
[3.3047e+00, 4.8591e-03, 2.1852e-01],  
[9.4047e+01, 4.0960e-02, 2.1360e+00],  
[1.9310e-01, 1.4221e-05, 2.0341e-02],  
[1.5655e+00, 8.1205e-04, 2.0871e-01],  
[5.1842e-02, 1.6772e-06, 7.1927e-03],  
[3.6636e+01, 2.5251e-01, 1.5943e+00],  
[1.2895e+02, 1.5637e+00, 2.7430e+00],

[9.5937e-01, 9.2935e-04, 1.2064e-01],  
 [2.5861e+01, 2.0759e-02, 1.4455e+00],  
 [7.5512e+01, 8.1193e-01, 1.6577e+00],  
 [3.5324e+00, 3.7456e-03, 2.3079e-01],  
 [4.8607e-01, 2.7160e-05, 5.8656e-02],  
 [6.9895e+01, 7.3313e-01, 1.3878e+00],  
 [2.2118e+00, 7.7477e-04, 2.4158e-01],  
 [2.0665e+00, 1.9170e-03, 1.8133e-01],  
 [3.8929e-01, 4.6260e-05, 4.2966e-02],  
 [3.9477e-01, 8.5140e-05, 3.6009e-02],  
 [2.8121e-01, 1.7517e-06, 3.8110e-02],  
 [7.8829e-01, 1.7672e-04, 7.2316e-02],  
 [1.4334e+02, 4.9633e+00, 3.1989e+00],  
 [8.9734e-01, 1.4433e-04, 6.9951e-02],  
 [5.7369e-01, 1.5165e-04, 6.2461e-02],  
 [9.3291e-02, 4.9266e-06, 1.2267e-02],  
 [2.6627e+00, 1.9640e-03, 1.5073e-01],  
 [8.1173e+00, 1.8774e-02, 3.6322e-01],  
 [3.8070e-02, 1.8248e-06, 5.6563e-03],  
 [1.0793e+02, 2.9414e-01, 1.8428e+00],  
 [1.8158e+00, 8.8412e-04, 1.3623e-01],  
 [1.4589e+01, 2.7552e-02, 1.0430e+00],  
 [4.1452e+00, 2.4575e-03, 2.4699e-01],  
 [1.9918e+01, 5.7052e-02, 1.0190e+00],  
 [1.1112e-03, 2.7962e-10, 1.8032e-04],  
 [1.8270e+01, 5.4007e-02, 8.2852e-01],  
 [5.2883e+01, 1.4888e-01, 2.7270e+00],  
 [1.2238e+01, 4.5287e-03, 8.4628e-01],  
 [3.2168e+00, 1.4086e-03, 2.4774e-01],  
 [5.7279e+01, 5.3346e-01, 1.3545e+00],  
 [5.0417e+01, 7.5687e-02, 2.0827e+00],  
 [1.2000e-01, 7.5632e-06, 1.4564e-02],  
 [1.3562e+01, 8.9719e-03, 6.9200e-01],  
 [1.6319e+01, 1.7342e-02, 1.2584e+00],  
 [5.2182e-01, 1.5585e-04, 5.1130e-02],  
 [6.9634e-03, 2.8963e-08, 1.1151e-03],  
 [9.8292e+01, 4.1491e-01, 2.2758e+00],  
 [1.6067e+00, 6.6649e-04, 1.0789e-01],  
 [1.1423e-01, 5.1256e-06, 1.3975e-02],  
 [2.3923e+01, 1.1241e-01, 1.8929e+00],  
 [2.8363e+00, 9.0741e-04, 2.7444e-01],  
 [1.0864e+02, 3.1172e+00, 3.7178e+00],  
 [1.3605e+00, 5.9864e-04, 1.3112e-01],  
 [2.0261e+02, 9.1893e+00, 4.7910e+00],  
 [2.2373e+01, 4.5991e-02, 1.8515e+00],  
 [4.8383e+00, 6.3840e-03, 2.7872e-01],  
 [2.7061e+01, 5.2312e-02, 2.0782e+00],  
 [1.4771e-01, 2.4664e-06, 2.0894e-02],



[1.1645e-01, 6.3829e-06, 1.4243e-02],  
[3.1361e-02, 1.0313e-07, 4.3792e-03],  
[6.2199e+00, 1.1830e-02, 3.0276e-01],  
[9.0546e+00, 2.0765e-02, 5.5966e-01],  
[3.6240e+00, 1.7677e-03, 2.7964e-01],  
[4.4542e+01, 5.3385e-01, 3.0417e+00],  
[4.3252e-02, 1.5709e-07, 6.1382e-03],  
[2.5374e-02, 6.1731e-07, 3.6560e-03],  
[1.1639e+02, 1.2872e+00, 4.0780e+00],  
[2.5577e+01, 2.0131e-01, 1.1916e+00],  
[6.3289e+01, 4.6100e-01, 1.9182e+00],  
[6.1628e+01, 1.8419e-01, 3.3389e+00],  
[1.0526e+01, 2.9866e-02, 4.7127e-01],  
[1.4105e+02, 9.5109e-01, 3.4708e+00],  
[7.7289e+00, 7.5222e-03, 3.5360e-01],  
[5.5603e+00, 5.8741e-03, 3.5946e-01],  
[1.6761e-01, 9.8058e-06, 2.1356e-02],  
[1.2314e+02, 1.1478e+00, 2.6469e+00],  
[4.0238e+01, 2.9927e-01, 1.1711e+00],  
[1.7826e-02, 2.3367e-08, 2.6658e-03],  
[6.9596e+01, 1.9264e-01, 2.9029e+00],  
[3.2952e-03, 9.1573e-09, 5.1860e-04],  
[5.7700e+01, 2.6332e-01, 1.8402e+00],  
[1.8893e+00, 8.6637e-04, 1.3235e-01],  
[1.5030e-01, 7.5781e-06, 1.9680e-02],  
[7.5385e+00, 8.8982e-03, 5.2280e-01],  
[3.1225e+01, 1.6973e-01, 1.1997e+00],  
[3.2512e-01, 1.3646e-05, 3.9172e-02],  
[1.5561e+01, 7.8216e-02, 6.3499e-01],  
[1.3632e+02, 2.5260e+00, 2.7538e+00],  
[1.8555e-02, 4.1954e-08, 2.7982e-03],  
[2.9487e-03, 1.1680e-08, 4.6606e-04],  
[6.4742e+01, 3.5102e-01, 2.3647e+00],  
[1.1950e+02, 1.1902e+00, 3.5553e+00],  
[1.1652e+02, 1.6995e+00, 3.4794e+00],  
[6.5461e+00, 1.5295e-02, 3.9669e-01],  
[2.5791e+01, 2.0579e-01, 9.0138e-01],  
[1.5109e+02, 3.1360e+00, 3.2175e+00],  
[6.4620e+00, 2.8919e-03, 2.5919e-01],  
[5.2516e-02, 6.5075e-07, 7.5057e-03],  
[2.9178e+00, 3.3483e-03, 2.4027e-01],  
[2.1054e+01, 4.9971e-02, 1.2785e+00],  
[3.3383e-02, 3.2091e-07, 4.6948e-03],  
[2.0567e+02, 7.6539e-01, 3.9417e+00],  
[1.9948e+01, 8.2452e-02, 1.1910e+00],  
[4.1999e+01, 6.4364e-02, 1.1560e+00],  
[1.8279e+01, 8.4626e-02, 6.2518e-01],  
[2.5144e-01, 7.6004e-06, 3.5318e-02],

[5.2236e+00, 1.5792e-03, 3.4831e-01],  
[6.1039e-01, 7.5246e-05, 5.8962e-02],  
[2.3164e+01, 3.6267e-02, 1.2957e+00],  
[2.9141e+02, 5.7897e+00, 4.2944e+00],  
[1.4146e-01, 1.9449e-06, 1.9311e-02],  
[1.4991e-02, 3.6306e-08, 2.1778e-03],  
[2.1177e-01, 2.6793e-05, 2.8603e-02],  
[5.0301e-02, 7.6970e-08, 6.7210e-03],  
[2.4776e+00, 5.5156e-03, 2.2871e-01],  
[2.1301e-02, 3.8654e-08, 3.2095e-03],  
[2.2799e+01, 8.5011e-02, 1.6068e+00],  
[1.5555e+00, 2.1432e-04, 9.4066e-02],  
[7.7855e+01, 2.5808e-01, 1.4857e+00],  
[6.4138e-01, 6.4558e-05, 4.9488e-02],  
[2.5735e+01, 2.2862e-01, 9.4045e-01],  
[7.3867e+00, 3.0471e-03, 3.9723e-01],  
[5.7998e+01, 4.3062e-01, 1.8713e+00],  
[8.7477e-02, 2.8233e-07, 1.1139e-02],  
[1.7391e+02, 4.2489e+00, 4.4076e+00],  
[1.1506e+01, 1.7848e-02, 4.4938e-01],  
[8.6547e+01, 6.3327e-01, 1.9685e+00],  
[2.0419e-01, 3.0287e-05, 2.8166e-02],  
[1.6070e-02, 2.7816e-08, 2.3419e-03],  
[2.5490e-03, 2.8607e-09, 4.0209e-04],  
[2.0177e+01, 2.1261e-02, 8.3731e-01],  
[5.6484e+01, 4.2646e-01, 1.3156e+00],  
[8.9099e-02, 4.8255e-07, 1.1815e-02],  
[9.2440e+01, 2.7061e+00, 2.4431e+00],  
[5.2296e+01, 1.6281e-01, 2.0137e+00],  
[2.0185e+01, 7.1754e-03, 1.0572e+00],  
[2.1722e+02, 1.6883e+00, 4.9960e+00],  
[8.6088e-01, 1.7281e-04, 7.8169e-02],  
[6.2687e+01, 1.3303e-01, 2.1988e+00],  
[3.7907e+00, 2.3342e-03, 1.9380e-01],  
[1.3521e+02, 3.0598e+00, 3.1209e+00],  
[4.5144e+01, 3.8513e-01, 1.0821e+00],  
[7.9019e+01, 1.1802e+00, 3.2890e+00],  
[2.2110e+01, 9.7992e-02, 7.1031e-01],  
[3.1466e+01, 4.6189e-02, 9.5245e-01],  
[1.0910e+02, 1.0572e+00, 3.4574e+00],  
[6.3373e+01, 9.9037e-01, 1.8691e+00],  
[1.1621e+01, 3.8217e-02, 5.5700e-01],  
[7.2463e+01, 8.6928e-02, 1.9314e+00],  
[2.0477e+01, 2.1138e-01, 1.0076e+00],  
[5.3963e-01, 8.8449e-05, 4.9176e-02],  
[1.3531e-03, 9.3557e-10, 2.1977e-04],  
[9.7328e-01, 1.3635e-03, 1.2296e-01],  
[1.9448e+01, 5.4453e-02, 1.0860e+00],

[5.2727e+01, 3.6612e-01, 2.2174e+00],  
[3.0244e+01, 9.6353e-02, 8.1965e-01],  
[1.7017e-01, 4.9849e-06, 1.9111e-02],  
[3.0790e-01, 5.2709e-05, 4.1645e-02],  
[1.3302e+02, 4.1091e+00, 4.4041e+00],  
[6.1037e+01, 9.6242e-01, 2.6123e+00],  
[4.5088e+01, 9.7072e-02, 1.8521e+00],  
[8.3429e-02, 6.1450e-06, 1.1076e-02],  
[9.9864e+00, 9.2972e-03, 1.0204e+00],  
[7.3646e+01, 2.2126e-01, 1.6610e+00],  
[1.2034e+01, 2.9248e-02, 6.0435e-01],  
[1.6056e+02, 7.9170e-01, 3.0137e+00],  
[4.5433e-01, 4.4845e-05, 4.4461e-02],  
[1.4665e-01, 1.2744e-05, 1.6825e-02],  
[4.5173e-02, 9.6861e-08, 6.6250e-03],  
[5.2835e-01, 2.7420e-05, 6.3104e-02],  
[3.6808e-01, 5.0182e-05, 5.0861e-02],  
[3.6395e+00, 3.2032e-03, 2.3542e-01],  
[2.5875e+01, 8.9677e-02, 1.0449e+00],  
[7.4621e-01, 2.6853e-04, 8.2072e-02],  
[1.1933e+01, 4.2514e-03, 4.7213e-01],  
[1.7419e+02, 1.7916e+00, 3.0855e+00],  
[2.1478e+01, 1.9922e-02, 7.6312e-01],  
[6.2933e+01, 2.7296e-01, 1.2454e+00],  
[3.3096e+00, 4.4822e-03, 3.1061e-01],  
[4.1435e+01, 4.0399e-01, 1.6512e+00],  
[9.0115e+01, 1.0907e+00, 2.8801e+00],  
[1.0799e+01, 4.5106e-02, 5.7375e-01],  
[2.5323e+01, 7.4021e-02, 1.7144e+00],  
[2.8095e-03, 7.8115e-09, 4.4933e-04],  
[3.5391e+00, 1.6157e-03, 2.2428e-01],  
[1.6625e+02, 4.6728e+00, 3.8312e+00],  
[9.0927e+00, 7.2653e-03, 9.2116e-01],  
[1.6319e+02, 2.0234e+00, 3.0519e+00],  
[2.6330e-01, 1.7308e-05, 2.4026e-02],  
[7.1533e-02, 1.7947e-06, 1.0737e-02],  
[1.8399e+01, 1.4539e-02, 1.0993e+00],  
[6.8860e-01, 8.8320e-05, 5.3544e-02],  
[1.0265e+01, 4.7360e-02, 6.7278e-01],  
[2.6749e+01, 5.3800e-02, 1.6834e+00],  
[8.6119e+00, 4.9239e-03, 3.6447e-01],  
[6.8931e+01, 5.8551e-01, 3.2928e+00],  
[6.8047e+01, 3.3580e-01, 2.7771e+00],  
[2.6201e+00, 1.3066e-03, 1.6435e-01],  
[8.0631e+00, 1.4563e-02, 4.8431e-01],  
[3.4014e+00, 4.8377e-03, 2.2356e-01],  
[1.1843e+00, 8.7725e-04, 1.1128e-01],  
[1.4695e+02, 2.2167e+00, 3.9150e+00],

[2.0741e+01, 1.2318e-02, 9.9258e-01],  
[3.6123e+01, 8.5228e-02, 1.7036e+00],  
[1.3760e+02, 3.3909e+00, 2.6309e+00],  
[1.4608e+02, 8.7145e-01, 2.8954e+00],  
[1.7149e-01, 1.8596e-05, 2.4125e-02],  
[1.6303e+00, 4.2328e-04, 1.6677e-01],  
[2.2548e-01, 1.1963e-05, 2.6600e-02],  
[2.9989e-01, 2.9320e-05, 2.8557e-02],  
[6.6435e-01, 2.4870e-05, 7.5899e-02],  
[4.4531e-02, 5.9245e-07, 6.5594e-03],  
[8.1421e+01, 2.6048e-01, 1.7959e+00],  
[2.6559e+01, 1.4797e-01, 1.8910e+00],  
[1.3652e+02, 6.6343e-01, 4.6431e+00],  
[2.0703e+01, 1.5097e-01, 7.9536e-01],  
[3.0090e+01, 1.1867e-01, 2.1988e+00],  
[7.2333e-02, 9.9817e-07, 1.0048e-02],  
[8.9523e-01, 6.4895e-05, 5.6668e-02],  
[2.3497e+00, 1.7075e-03, 2.2175e-01],  
[5.4148e-01, 9.5993e-05, 5.7331e-02],  
[2.5237e-01, 4.3615e-06, 2.7231e-02],  
[2.0213e+00, 1.8082e-03, 1.6638e-01],  
[1.6865e+00, 2.1877e-04, 1.0374e-01],  
[3.0359e-01, 8.4149e-06, 2.6134e-02],  
[2.9600e+00, 4.8113e-04, 1.4072e-01],  
[4.3769e+00, 5.0436e-03, 2.7687e-01],  
[5.6795e+01, 1.1427e+00, 2.4288e+00],  
[3.5195e-01, 4.0322e-05, 4.1147e-02],  
[1.7326e+01, 5.9414e-02, 6.7117e-01],  
[7.7390e+00, 1.3359e-02, 4.0138e-01],  
[3.8091e+01, 3.8098e-02, 8.4673e-01],  
[1.5081e+01, 7.2458e-02, 8.4261e-01],  
[1.6549e+00, 1.1006e-03, 1.4893e-01],  
[1.3366e+02, 2.4969e+00, 2.7622e+00],  
[9.0527e-01, 5.5323e-04, 1.0983e-01],  
[2.6825e+01, 1.0693e-01, 1.0491e+00],  
[4.0356e-01, 7.9213e-05, 5.4308e-02],  
[1.7869e+01, 4.0681e-03, 7.1215e-01],  
[4.3756e+01, 1.6162e-01, 2.1424e+00],  
[1.1771e+00, 2.3850e-05, 9.5226e-02],  
[1.7167e+01, 4.8231e-03, 7.1883e-01],  
[3.4889e-02, 6.0644e-07, 4.6947e-03],  
[1.1884e+02, 9.7849e-01, 2.5451e+00],  
[1.0051e+00, 3.6713e-04, 7.9064e-02],  
[8.3262e+00, 3.8259e-02, 6.1672e-01],  
[2.9246e+00, 3.9440e-03, 3.6826e-01],  
[4.2456e+01, 4.0412e-02, 1.2731e+00],  
[4.8738e+00, 9.9822e-03, 4.9393e-01],  
[2.2091e+01, 3.9031e-02, 8.1290e-01],

```

[5.3992e-01, 6.4420e-05, 5.6328e-02],
[8.3157e+00, 1.3411e-02, 3.7140e-01],
[1.2874e+02, 2.2081e+00, 3.8668e+00],
[7.0599e+01, 7.2914e-01, 1.9713e+00]], dtype=torch.float64)
Iteration: 243
Inputs: tensor([[1.2238e+20, 1.3500e+02, 1.0806e+01, 4.0881e+00],
[7.8556e+18, 1.0054e+02, 1.8806e+01, 6.4856e+00],
[5.7620e+20, 3.9684e+02, 1.7194e+01, 5.4094e+00],
...,
[6.2168e+19, 3.6737e+02, 1.5575e+01, 1.6913e+00],
[8.9939e+18, 2.6177e+02, 1.7165e+01, 1.3015e+00],
[3.7881e+18, 1.9822e+02, 5.6295e+00, 4.9242e+00]], dtype=torch.float64)
Target: tensor([[1.5045e+01, 3.4964e-02, 1.0212e+00],
[2.0391e-01, 3.6647e-05, 2.7211e-02],
[1.1828e+02, 2.0557e+00, 3.6048e+00],
[4.7544e-01, 9.3505e-05, 4.5982e-02],
[1.8048e+02, 2.2083e+00, 3.7540e+00],
[1.8101e+01, 5.2994e-02, 1.7665e+00],
[4.7571e+01, 1.1998e-01, 9.9505e-01],
[4.9242e+00, 4.5638e-03, 3.3457e-01],
[1.0279e+00, 1.8725e-04, 1.0236e-01],
[1.6569e+02, 3.7177e-01, 4.2868e+00],
[8.8411e+01, 1.5374e+00, 3.6663e+00],
[5.5579e+00, 8.9270e-03, 2.6940e-01],
[1.1350e+01, 1.6343e-02, 4.6383e-01],
[1.0155e+00, 7.8670e-04, 1.0240e-01],
[3.5411e+01, 1.0994e-01, 2.2987e+00],
[9.9450e+00, 6.1672e-03, 6.6182e-01],
[2.8401e+01, 2.2551e-01, 1.0088e+00],
[3.9428e+00, 1.8632e-03, 1.7722e-01],
[1.0792e-02, 5.2002e-08, 1.6249e-03],
[2.3678e+00, 8.6822e-04, 2.3666e-01],
[6.6030e+01, 4.7516e-01, 3.1513e+00],
[1.6382e-01, 5.3385e-06, 2.2725e-02],
[1.1685e+01, 4.6978e-02, 7.4075e-01],
[2.9016e+00, 1.4304e-03, 2.0469e-01],
[2.4952e-01, 5.5383e-05, 3.1771e-02],
[1.9335e-01, 2.0801e-05, 2.1193e-02],
[2.0338e+01, 6.5779e-02, 1.0799e+00],
[2.0772e-03, 6.5524e-10, 3.3431e-04],
[6.1711e+00, 8.3541e-03, 5.0082e-01],
[1.1686e+00, 2.0318e-04, 7.8669e-02],
[1.2150e+01, 1.0250e-01, 9.9188e-01],
[1.7611e+01, 2.5822e-02, 4.6943e-01],
[3.9590e+00, 1.2868e-03, 3.2722e-01],
[1.4167e+02, 1.6075e+00, 3.2326e+00],
[4.8344e-02, 2.6432e-06, 6.9965e-03],
[4.7877e-04, 9.2082e-11, 7.8052e-05],

```

[5.2575e+00, 4.9872e-03, 3.2716e-01],  
[2.8078e+01, 2.4204e-01, 9.1331e-01],  
[4.4033e+00, 4.4480e-04, 1.9235e-01],  
[8.1740e+00, 8.3667e-04, 3.2783e-01],  
[8.0205e-02, 1.8415e-06, 1.1309e-02],  
[4.9729e+01, 8.6575e-02, 1.0473e+00],  
[1.4346e+00, 3.4184e-05, 1.0136e-01],  
[7.1091e-03, 2.1441e-08, 1.1149e-03],  
[8.4490e-01, 3.0451e-04, 1.1311e-01],  
[6.9187e+01, 7.9586e-01, 2.1755e+00],  
[4.2138e+01, 2.1338e-01, 2.2552e+00],  
[3.1238e+01, 1.7031e-02, 8.7644e-01],  
[2.8539e-01, 1.1159e-05, 2.4376e-02],  
[4.1696e+01, 1.3412e-02, 1.4111e+00],  
[4.6655e+01, 1.6128e-01, 2.6245e+00],  
[7.7157e+00, 3.7296e-03, 3.9909e-01],  
[5.5060e-02, 6.0614e-07, 7.2584e-03],  
[9.3293e-01, 1.9955e-04, 6.3763e-02],  
[3.1222e-01, 4.4184e-05, 3.5747e-02],  
[2.7801e+00, 5.2402e-04, 1.3849e-01],  
[7.4884e+01, 8.5531e-01, 1.8095e+00],  
[7.9606e+00, 5.8991e-04, 4.4552e-01],  
[1.4551e+00, 2.8462e-04, 1.4147e-01],  
[6.1716e+01, 2.1609e-01, 1.5906e+00],  
[9.9005e+00, 1.5487e-02, 3.9541e-01],  
[2.4778e+00, 1.6222e-03, 1.5535e-01],  
[1.1025e+00, 6.8099e-04, 1.2709e-01],  
[2.8465e+01, 9.6915e-02, 7.8269e-01],  
[5.7593e+01, 8.3059e-01, 2.5232e+00],  
[7.8698e+00, 9.8269e-03, 4.2154e-01],  
[6.7418e+01, 1.9141e-01, 2.5193e+00],  
[4.0145e+01, 4.2477e-01, 2.0814e+00],  
[1.1897e+01, 9.9112e-03, 7.3747e-01],  
[2.0183e+00, 1.1624e-03, 1.4901e-01],  
[2.0609e+01, 5.5405e-02, 1.6437e+00],  
[3.8681e+01, 3.0647e-01, 1.1363e+00],  
[1.0858e+02, 3.6783e+00, 2.6735e+00],  
[3.5352e-01, 5.1268e-05, 3.7410e-02],  
[2.7242e+00, 1.8633e-03, 1.8843e-01],  
[7.5364e-01, 2.8224e-04, 7.2339e-02],  
[1.0647e+02, 1.2630e+00, 2.2365e+00],  
[4.2142e+01, 9.3495e-02, 2.3391e+00],  
[6.5200e+01, 1.1693e+00, 1.8625e+00],  
[6.1671e+00, 2.1222e-03, 3.6242e-01],  
[7.3605e+00, 7.6363e-04, 4.8991e-01],  
[1.6982e+01, 1.6877e-02, 6.1970e-01],  
[4.8764e-01, 1.5540e-04, 5.1546e-02],  
[6.7131e+00, 1.2921e-02, 3.3642e-01],

[5.4553e-01, 1.0857e-04, 5.7812e-02],  
 [1.7506e-01, 3.9149e-05, 2.4496e-02],  
 [1.0847e+02, 1.3191e+00, 4.1667e+00],  
 [1.0581e+00, 1.7728e-04, 5.8918e-02],  
 [9.4669e+01, 1.6935e+00, 2.4098e+00],  
 [5.3876e+00, 7.3726e-03, 3.7860e-01],  
 [1.2779e+02, 3.1075e+00, 3.0590e+00],  
 [8.9689e+01, 1.9888e+00, 2.2314e+00],  
 [4.2467e+00, 2.6967e-03, 2.6999e-01],  
 [2.9567e+00, 2.5414e-03, 2.0859e-01],  
 [5.1998e-01, 4.1610e-05, 5.1263e-02],  
 [1.3650e+00, 7.2815e-04, 1.5061e-01],  
 [1.6466e-01, 4.0492e-06, 1.9391e-02],  
 [1.8617e+00, 1.1052e-04, 1.4502e-01],  
 [4.0632e-02, 2.2373e-07, 5.6867e-03],  
 [3.0968e+01, 1.3260e-01, 1.2335e+00],  
 [3.8533e+01, 1.2620e-01, 1.5227e+00],  
 [2.2638e+00, 3.3408e-03, 2.5880e-01],  
 [8.1851e+01, 2.7791e-01, 1.7851e+00],  
 [1.0991e+01, 5.1673e-03, 7.7716e-01],  
 [1.4360e-02, 1.6957e-07, 2.1646e-03],  
 [9.1406e-01, 2.0028e-04, 1.2359e-01],  
 [1.8356e-01, 2.0146e-05, 2.0024e-02],  
 [2.8560e+00, 4.4721e-03, 3.1696e-01],  
 [1.3031e+01, 1.7929e-02, 9.7040e-01],  
 [1.4286e+01, 2.0141e-02, 5.3877e-01],  
 [1.1647e-02, 2.4828e-08, 1.8254e-03],  
 [4.0390e-02, 2.0241e-06, 5.9013e-03],  
 [1.1781e+01, 7.2508e-03, 6.4613e-01],  
 [1.2945e-01, 1.2013e-05, 1.4310e-02],  
 [1.0643e+01, 5.2142e-03, 9.4178e-01],  
 [1.8361e+02, 6.9980e+00, 3.8929e+00],  
 [1.0153e+02, 4.1187e-01, 3.1539e+00],  
 [2.5753e+00, 2.3978e-04, 1.6546e-01],  
 [1.0929e+01, 1.7040e-02, 8.9669e-01],  
 [8.5769e-01, 1.5974e-04, 8.5366e-02],  
 [8.3787e-03, 9.5803e-09, 1.2803e-03],  
 [7.2138e+01, 1.5144e-01, 3.1312e+00],  
 [1.3802e+02, 2.1541e+00, 3.5336e+00],  
 [3.3235e+01, 3.2371e-01, 1.3393e+00],  
 [8.4320e-01, 1.6866e-04, 6.1396e-02],  
 [2.3364e-01, 2.0737e-05, 3.0365e-02],  
 [1.6162e+01, 1.3525e-01, 9.5113e-01],  
 [6.6859e+01, 5.9922e-01, 3.3283e+00],  
 [1.6514e+01, 4.3309e-02, 1.6423e+00],  
 [2.2951e-02, 3.1195e-07, 3.2760e-03],  
 [5.2528e-01, 7.7769e-05, 6.7618e-02],  
 [4.8069e+00, 4.2072e-03, 3.9080e-01],

[1.1948e+02, 1.3150e+00, 3.8553e+00],  
 [3.1512e+00, 1.4305e-03, 1.8802e-01],  
 [4.4572e+01, 6.2226e-01, 2.5601e+00],  
 [1.0050e+01, 6.4546e-03, 6.1363e-01],  
 [9.5540e-01, 3.4283e-04, 7.3030e-02],  
 [2.9398e+00, 6.8731e-03, 3.1901e-01],  
 [1.3795e+01, 7.9955e-02, 1.2698e+00],  
 [1.3739e+02, 1.9245e+00, 2.7990e+00],  
 [1.9575e+01, 1.2717e-01, 7.5314e-01],  
 [7.8525e+01, 1.0455e+00, 2.6486e+00],  
 [1.7552e+01, 1.4738e-02, 1.3498e+00],  
 [5.4965e+00, 5.8920e-03, 3.3538e-01],  
 [8.0408e-01, 4.7486e-04, 7.7147e-02],  
 [8.6830e-01, 2.4550e-04, 6.1315e-02],  
 [1.1407e+00, 8.0470e-04, 1.1720e-01],  
 [1.1979e+02, 1.3160e-01, 3.2011e+00],  
 [7.9460e+01, 2.2118e-01, 1.7966e+00],  
 [1.1668e+02, 2.6955e+00, 4.2094e+00],  
 [7.8710e+00, 3.9199e-02, 5.3278e-01],  
 [2.1321e+00, 2.5423e-03, 1.8372e-01],  
 [1.6043e+02, 2.1269e+00, 2.5724e+00],  
 [6.1621e-01, 1.9245e-05, 3.7651e-02],  
 [2.0316e-01, 1.5055e-06, 2.1623e-02],  
 [3.9783e-02, 3.2625e-07, 5.6546e-03],  
 [1.5582e+00, 8.1973e-04, 1.7645e-01],  
 [6.1833e-01, 5.2723e-05, 5.2738e-02],  
 [4.1209e-01, 7.7050e-06, 4.9077e-02],  
 [1.7676e+01, 1.6661e-02, 1.0717e+00],  
 [4.1092e+01, 2.1510e-01, 1.4451e+00],  
 [7.1095e+01, 9.1779e-01, 2.6144e+00],  
 [1.5205e+01, 2.5767e-02, 4.8126e-01],  
 [2.9087e-01, 5.2762e-05, 3.1549e-02],  
 [1.8076e+02, 4.2588e+00, 4.5839e+00],  
 [6.6142e+00, 2.5695e-04, 2.6347e-01],  
 [1.4607e+02, 2.0813e+00, 3.7041e+00],  
 [6.4027e-02, 2.3829e-06, 9.0047e-03],  
 [2.6578e-03, 8.2703e-09, 4.2697e-04],  
 [3.3136e+01, 2.3595e-01, 1.1505e+00],  
 [1.9646e+02, 5.2075e+00, 4.8989e+00],  
 [2.7236e+00, 8.2394e-04, 2.2364e-01],  
 [5.8594e+01, 4.9464e-01, 2.7492e+00],  
 [6.8960e-01, 2.0848e-04, 7.1586e-02],  
 [1.1806e+02, 4.9636e-01, 4.2069e+00],  
 [3.8500e-01, 2.3842e-05, 4.1796e-02],  
 [7.0536e-01, 3.8535e-04, 8.9807e-02],  
 [8.6821e+01, 8.0326e-01, 1.9122e+00],  
 [6.0827e+00, 2.1475e-02, 5.9620e-01],  
 [1.5064e-02, 9.6813e-08, 2.3205e-03],



[1.1669e-02, 8.1771e-08, 1.8516e-03],  
[8.2236e-02, 8.5659e-06, 1.0550e-02],  
[1.1060e+02, 6.3044e-01, 2.7058e+00],  
[1.0800e+00, 5.8935e-05, 1.0462e-01],  
[2.4319e-01, 2.6996e-06, 2.8176e-02],  
[1.5054e+00, 5.9642e-04, 1.2314e-01],  
[5.8910e-01, 7.3104e-05, 5.7755e-02],  
[1.8006e+02, 7.7423e-01, 4.7062e+00],  
[9.3258e+01, 1.4249e+00, 3.3886e+00],  
[6.5627e+01, 1.8655e-01, 1.5512e+00],  
[9.0490e+01, 2.5502e-01, 3.7613e+00],  
[2.8277e+01, 3.2698e-02, 1.2976e+00],  
[1.8067e-02, 7.4610e-08, 2.6932e-03],  
[1.2978e+02, 3.0595e+00, 3.4029e+00],  
[9.0339e-03, 3.8497e-08, 1.4216e-03],  
[9.7143e-01, 5.3624e-04, 1.2267e-01],  
[3.1176e+01, 1.2878e-01, 8.6519e-01],  
[6.8460e+00, 3.9198e-03, 4.8350e-01],  
[1.9122e+02, 6.3542e-01, 4.9274e+00],  
[4.5987e+01, 4.8163e-02, 2.2528e+00],  
[8.5784e-02, 8.0026e-06, 1.2741e-02],  
[8.0065e-01, 2.5452e-04, 6.5725e-02],  
[1.6755e+01, 3.8488e-02, 4.9586e-01],  
[3.0026e+01, 1.4058e-01, 1.1337e+00],  
[2.7135e-01, 1.0329e-05, 3.0920e-02],  
[7.2769e-02, 3.3386e-06, 1.0127e-02],  
[1.2663e+00, 1.1328e-03, 1.1120e-01],  
[1.5187e+02, 1.4909e+00, 2.8027e+00],  
[5.4385e+00, 2.0115e-03, 2.7350e-01],  
[6.1632e+01, 1.0831e+00, 2.0261e+00],  
[3.4548e+00, 1.4217e-03, 2.4047e-01],  
[2.1922e+00, 2.7961e-04, 1.4075e-01],  
[7.8081e+01, 9.8794e-01, 2.6537e+00],  
[1.0607e+02, 1.2511e+00, 2.2516e+00],  
[2.1820e+02, 9.2024e+00, 4.5362e+00],  
[4.8535e-01, 6.0385e-05, 4.1311e-02],  
[1.4625e+01, 1.1403e-02, 9.3288e-01],  
[2.0184e+00, 9.4645e-04, 2.0288e-01],  
[9.2428e+00, 1.0208e-02, 5.6972e-01],  
[3.6559e-01, 3.5072e-05, 4.0016e-02],  
[6.2397e+01, 4.4873e-01, 2.0321e+00],  
[1.2383e+02, 5.5514e-01, 4.2267e+00],  
[5.7108e-02, 3.1476e-06, 8.0047e-03],  
[1.0073e+02, 1.6644e+00, 3.4883e+00],  
[1.3228e+02, 2.3173e+00, 4.5803e+00],  
[2.9117e+01, 1.1773e-01, 1.2061e+00],  
[8.7043e-02, 9.1331e-07, 1.1774e-02],  
[7.3728e+00, 1.6736e-03, 3.3184e-01],

[1.1989e+02, 1.7483e+00, 2.5308e+00],  
[8.2756e-02, 3.1508e-06, 1.0510e-02],  
[1.8404e-01, 1.4517e-06, 2.1110e-02],  
[2.0841e+01, 1.6282e-02, 8.8058e-01],  
[1.9519e-01, 1.6411e-05, 2.1581e-02],  
[5.3426e-02, 8.2049e-07, 7.2185e-03],  
[5.9404e+01, 1.0032e+00, 1.6933e+00],  
[5.5639e-01, 5.2402e-05, 5.1990e-02],  
[2.8695e+02, 8.1579e+00, 4.3072e+00],  
[7.5010e-01, 1.6913e-04, 6.8892e-02],  
[9.8083e+00, 2.8226e-02, 5.5545e-01],  
[3.1282e+01, 2.1036e-02, 1.0186e+00],  
[2.7474e+01, 6.3035e-02, 1.4134e+00],  
[2.8572e+01, 1.9347e-01, 9.5255e-01],  
[1.0355e+02, 2.1477e+00, 2.6547e+00],  
[7.8972e+00, 8.2288e-03, 5.0229e-01],  
[2.8435e+01, 2.0744e-01, 1.0338e+00],  
[3.2438e+00, 3.6804e-03, 2.3793e-01],  
[2.5170e+01, 3.7698e-02, 6.9043e-01],  
[9.4881e+01, 1.6871e+00, 4.1629e+00],  
[4.7439e+01, 7.2332e-01, 2.8133e+00],  
[3.2076e-01, 5.0321e-05, 3.7257e-02],  
[4.6339e-01, 8.2851e-05, 5.5009e-02],  
[2.5474e-01, 3.0384e-06, 2.4778e-02],  
[3.8844e+00, 4.6141e-04, 2.9611e-01],  
[6.2239e+00, 2.6731e-03, 5.6171e-01],  
[2.9627e+01, 1.0799e-01, 1.7311e+00],  
[2.5444e-01, 8.1940e-06, 2.5250e-02],  
[2.6086e+01, 2.7929e-02, 1.1592e+00],  
[4.7774e-03, 8.6857e-09, 7.6412e-04],  
[6.3147e+01, 2.8332e-01, 1.7513e+00],  
[6.2509e+01, 2.1231e-01, 2.1151e+00],  
[6.1356e+00, 7.3697e-03, 4.4245e-01],  
[2.0950e-01, 7.8518e-06, 2.3176e-02],  
[1.1447e+01, 1.1698e-02, 7.9975e-01],  
[8.8810e+01, 1.0201e+00, 2.9778e+00],  
[8.3704e-01, 1.3940e-04, 8.4664e-02],  
[9.0492e+00, 4.5197e-03, 3.0290e-01],  
[8.9041e+00, 4.4543e-03, 6.5589e-01],  
[9.5827e-01, 1.1765e-04, 6.1177e-02],  
[1.6903e+02, 2.2576e+00, 4.7787e+00],  
[3.0095e+00, 4.7079e-03, 3.3021e-01],  
[5.1150e+00, 6.5178e-03, 2.8056e-01],  
[1.9335e-01, 1.9460e-05, 2.7961e-02],  
[3.4776e-02, 1.0083e-06, 4.7034e-03],  
[1.8911e+02, 2.2628e+00, 3.1103e+00],  
[5.1347e-01, 5.1984e-05, 4.9722e-02],  
[1.4564e+01, 4.9378e-03, 9.9174e-01],

```

[1.5288e+01, 1.0658e-02, 5.4170e-01],
[2.0890e+00, 1.7476e-03, 1.4719e-01],
[1.2702e+00, 6.8099e-04, 9.8668e-02],
[9.1907e+01, 1.9282e+00, 2.9817e+00],
[3.1013e+01, 2.2350e-01, 1.6943e+00],
[5.7985e+00, 9.9523e-03, 3.9255e-01],
[5.8611e+01, 2.0239e-01, 1.2371e+00],
[8.3526e+00, 1.0677e-02, 5.9395e-01],
[3.6461e+00, 4.6646e-03, 2.8493e-01],
[2.4192e+02, 7.2982e+00, 4.8463e+00],
[4.7024e+01, 2.2597e-01, 1.1781e+00],
[2.0222e-01, 8.4748e-06, 2.5025e-02],
[2.4481e+01, 1.0487e-01, 1.1777e+00],
[2.6212e+01, 3.5612e-02, 1.1364e+00],
[2.6956e+01, 1.4882e-01, 1.3782e+00],
[1.0725e+02, 2.9575e+00, 3.7277e+00],
[1.8832e+01, 6.4688e-02, 1.2212e+00],
[4.0721e+00, 3.7830e-03, 3.3522e-01],
[9.5345e+00, 1.9676e-02, 9.3195e-01],
[3.2262e+00, 2.5113e-03, 2.5946e-01],
[4.2721e+00, 1.1117e-03, 3.0950e-01],
[1.2499e+00, 1.0644e-04, 1.0830e-01],
[4.0869e+00, 2.2366e-03, 3.6094e-01],
[4.8363e+01, 6.4685e-01, 1.2424e+00],
[9.3000e-01, 9.9219e-04, 1.2706e-01],
[1.9429e-02, 8.1863e-08, 2.9024e-03],
[1.6342e+00, 4.8679e-05, 1.0472e-01],
[1.2882e+01, 1.5204e-02, 4.7548e-01],
[4.4790e-02, 3.2342e-07, 6.1064e-03],
[1.0506e+00, 3.6297e-04, 1.2130e-01],
[2.0527e-01, 3.3164e-06, 2.9011e-02],
[5.9951e+01, 9.8181e-01, 3.0062e+00],
[1.0502e-01, 3.6150e-06, 1.2537e-02],
[4.2247e+00, 1.5035e-03, 3.2593e-01],
[3.2571e+00, 2.8135e-03, 2.3314e-01],
[6.3795e-01, 4.8850e-05, 6.4152e-02],
[3.7989e+01, 4.5376e-02, 1.6150e+00],
[2.9237e+00, 1.8280e-03, 1.6441e-01],
[2.3364e+02, 8.6541e+00, 4.8966e+00],
[7.5993e-02, 1.5323e-06, 1.0249e-02],
[2.1631e+01, 1.0391e-02, 1.1547e+00],
[8.3265e+00, 6.0072e-03, 6.2070e-01],
[1.3867e-01, 2.8105e-06, 1.9457e-02],
[5.7575e-01, 4.8070e-05, 5.6595e-02]], dtype=torch.float64)

```

Iteration: 244

```

Inputs: tensor([[1.2901e+20, 4.2300e+02, 2.1934e+00, 1.7660e+00],
               [7.9373e+20, 4.0603e+02, 1.9704e+01, 6.2055e+00],
               [1.2931e+19, 3.4716e+01, 1.3983e+00, 7.7984e+00],

```

```

...,
[3.8307e+19, 5.5892e+01, 1.3449e+01, 3.9891e+00],
[2.6396e+19, 4.1331e+01, 2.6791e+00, 2.3134e+00],
[3.1026e+20, 1.4637e+02, 4.6784e+00, 5.0647e+00]], dtype=torch.float64)
Target: tensor([[6.5654e+01, 3.6060e-02, 1.6499e+00],
[1.5033e+02, 4.2024e+00, 4.3204e+00],
[5.5381e-01, 1.0938e-04, 6.7419e-02],
[6.0010e+00, 3.0183e-03, 4.2905e-01],
[5.2623e+01, 1.6590e-02, 2.5192e+00],
[1.3310e+00, 3.9565e-04, 8.6669e-02],
[5.4158e+00, 2.7122e-03, 3.8064e-01],
[3.4533e+01, 1.2958e-01, 1.9596e+00],
[3.3869e+01, 2.5156e-01, 1.5163e+00],
[4.6157e+01, 4.4017e-01, 2.1780e+00],
[7.0516e-02, 1.7987e-06, 1.0328e-02],
[5.7577e-02, 1.0642e-06, 8.5317e-03],
[3.9910e-01, 4.9005e-05, 5.3667e-02],
[6.7182e+01, 3.4858e-01, 3.1969e+00],
[7.2882e+01, 1.0620e+00, 3.3027e+00],
[1.9846e+01, 2.0780e-02, 6.7655e-01],
[2.0206e-02, 2.5130e-07, 2.8859e-03],
[5.1455e+00, 3.9580e-03, 3.3677e-01],
[9.7795e-01, 1.9203e-04, 6.5761e-02],
[6.9671e-01, 2.3441e-04, 7.6267e-02],
[8.3349e+01, 2.5697e+00, 3.9342e+00],
[1.6658e-01, 9.2205e-06, 2.0088e-02],
[6.7910e+00, 3.0158e-03, 5.5848e-01],
[6.6983e-02, 2.6518e-06, 9.4942e-03],
[5.1500e-01, 6.8922e-05, 5.9844e-02],
[7.1894e-02, 2.9160e-06, 8.7519e-03],
[5.1486e+01, 2.0464e-01, 2.9196e+00],
[1.7827e+01, 4.6665e-02, 6.7832e-01],
[1.7040e-02, 2.9834e-07, 2.5589e-03],
[3.1366e-01, 4.9544e-05, 4.1188e-02],
[2.8043e+00, 1.1559e-03, 2.0520e-01],
[2.3486e-01, 1.0570e-05, 3.0618e-02],
[7.5828e-01, 5.8570e-05, 7.2273e-02],
[6.3384e-03, 6.1321e-09, 9.9017e-04],
[3.5429e-01, 4.9414e-05, 3.2938e-02],
[7.3292e+01, 2.5115e-01, 2.2797e+00],
[1.1875e+01, 3.3461e-02, 6.4397e-01],
[1.1114e+01, 3.0097e-03, 8.0441e-01],
[5.9706e+01, 1.6568e-01, 1.3959e+00],
[6.1562e-01, 1.1057e-04, 5.5328e-02],
[1.7770e+00, 8.9432e-05, 9.8322e-02],
[1.9889e+02, 1.0304e+00, 3.4836e+00],
[7.2318e-02, 4.5354e-07, 1.0137e-02],
[1.1672e+02, 1.2469e+00, 4.1420e+00],

```

[2.9603e+00, 8.0174e-03, 3.4168e-01],  
[1.3067e-02, 1.2795e-08, 1.9803e-03],  
[4.0495e+00, 1.5977e-03, 2.3298e-01],  
[6.6782e+00, 9.9312e-03, 3.6176e-01],  
[2.0522e+01, 1.0161e-01, 9.2908e-01],  
[2.0144e+00, 8.3081e-04, 2.0583e-01],  
[2.9230e+01, 4.6544e-02, 1.0756e+00],  
[2.6936e+00, 9.9297e-04, 1.4043e-01],  
[5.4138e+01, 1.9741e-01, 2.4845e+00],  
[4.3694e+01, 7.5622e-02, 1.6325e+00],  
[2.2277e+00, 3.0639e-04, 1.4829e-01],  
[9.8118e+00, 1.1464e-02, 4.4030e-01],  
[1.1116e+02, 1.4758e+00, 2.7956e+00],  
[3.8651e+01, 2.2001e-01, 1.1674e+00],  
[4.6917e-01, 5.6979e-06, 5.5585e-02],  
[5.7644e-01, 2.4127e-04, 6.4210e-02],  
[2.9456e+01, 1.8443e-02, 1.2209e+00],  
[1.1399e+00, 3.6645e-04, 1.6190e-01],  
[1.6596e+01, 2.7995e-02, 7.5926e-01],  
[4.5971e+00, 8.5701e-04, 4.2424e-01],  
[3.1352e+00, 3.0832e-03, 1.7809e-01],  
[1.8074e+02, 2.2055e+00, 3.6069e+00],  
[9.4782e-01, 2.8866e-05, 8.2905e-02],  
[3.1127e+01, 3.5022e-02, 1.7687e+00],  
[1.4663e+00, 1.6297e-04, 1.1525e-01],  
[2.1052e-01, 2.5799e-05, 2.4833e-02],  
[4.2505e-03, 7.9546e-09, 6.6130e-04],  
[2.3189e+00, 2.2526e-04, 1.2639e-01],  
[2.4268e+01, 6.9875e-02, 1.3424e+00],  
[8.8850e+01, 3.5873e-01, 2.3283e+00],  
[5.7907e+01, 1.1603e+00, 3.3463e+00],  
[5.5908e+01, 4.5843e-01, 1.7898e+00],  
[7.8039e+00, 1.3357e-02, 4.9729e-01],  
[6.5511e-02, 2.3696e-06, 8.3169e-03],  
[1.7213e+01, 3.4832e-02, 1.6214e+00],  
[2.8321e-01, 1.7558e-05, 3.9113e-02],  
[3.8555e-02, 2.3785e-07, 5.6961e-03],  
[2.6978e+01, 3.1879e-02, 1.4558e+00],  
[1.8825e+02, 8.2001e+00, 3.9916e+00],  
[4.5370e+01, 6.6296e-01, 2.4465e+00],  
[1.2360e+01, 1.1301e-02, 7.5722e-01],  
[2.1235e+00, 3.6984e-04, 1.5478e-01],  
[1.8357e+01, 6.2511e-03, 1.4615e+00],  
[1.0815e-02, 3.0806e-08, 1.6141e-03],  
[1.2045e+02, 6.1854e-01, 2.5479e+00],  
[2.4876e-01, 5.2200e-05, 3.2529e-02],  
[3.6252e-02, 9.0086e-07, 5.0302e-03],  
[2.2515e+01, 7.9161e-02, 7.0741e-01],

[2.7459e-01, 3.8985e-05, 2.9449e-02],  
 [1.9290e+00, 1.0206e-04, 1.4007e-01],  
 [7.1720e+00, 1.0573e-02, 3.8151e-01],  
 [1.8805e+01, 4.9165e-02, 1.3292e+00],  
 [1.8507e-02, 7.6839e-08, 2.6593e-03],  
 [5.3422e+01, 2.8703e-01, 2.0711e+00],  
 [1.5411e+02, 2.1335e-01, 3.5530e+00],  
 [1.9441e+02, 3.3963e-01, 4.7750e+00],  
 [2.0556e+00, 6.0245e-04, 1.8513e-01],  
 [1.3741e+01, 7.7363e-03, 6.7906e-01],  
 [1.2555e+01, 3.1804e-02, 1.0000e+00],  
 [2.9864e+01, 1.2669e-01, 1.3025e+00],  
 [2.5998e-03, 1.2228e-08, 4.1202e-04],  
 [4.8489e-02, 1.2980e-06, 6.4770e-03],  
 [7.8215e-01, 9.5715e-05, 1.1227e-01],  
 [4.6546e+01, 2.5330e-01, 2.5927e+00],  
 [2.4295e+01, 1.1676e-01, 9.9226e-01],  
 [4.3374e+01, 1.2743e-01, 2.0006e+00],  
 [1.2255e+00, 2.2151e-04, 1.2342e-01],  
 [8.3671e-01, 2.1743e-04, 7.9174e-02],  
 [8.1444e+01, 2.8374e-01, 2.1330e+00],  
 [3.3315e+01, 1.2838e-01, 8.0385e-01],  
 [2.0282e+02, 2.6717e+00, 3.3779e+00],  
 [4.8610e-01, 1.3518e-05, 3.5683e-02],  
 [3.5808e+01, 4.0153e-01, 1.7877e+00],  
 [4.0290e+01, 2.2964e-01, 1.5313e+00],  
 [5.4127e+01, 3.5655e-01, 1.5047e+00],  
 [4.1717e+00, 1.9383e-03, 2.6032e-01],  
 [4.3434e+00, 2.6606e-02, 4.7899e-01],  
 [1.1020e+00, 1.2452e-04, 1.3232e-01],  
 [2.5974e+01, 9.1411e-02, 7.8710e-01],  
 [3.0637e+01, 2.2373e-01, 1.4747e+00],  
 [2.4017e+01, 2.3053e-03, 8.7177e-01],  
 [7.9982e+01, 1.2573e+00, 2.5204e+00],  
 [8.2124e+01, 1.1265e+00, 2.4634e+00],  
 [3.4513e+01, 1.5078e-01, 1.5045e+00],  
 [4.5409e+00, 9.4153e-04, 3.1677e-01],  
 [3.2879e+01, 7.6371e-02, 2.1694e+00],  
 [1.0799e-02, 2.7362e-08, 1.7232e-03],  
 [1.1586e+00, 5.8966e-04, 9.0057e-02],  
 [3.2305e+00, 4.9194e-03, 2.7215e-01],  
 [3.2267e+01, 1.8021e-01, 1.2169e+00],  
 [9.3782e+01, 1.1691e+00, 2.5114e+00],  
 [5.6814e+01, 3.5218e-01, 1.2683e+00],  
 [2.7336e+02, 6.8672e+00, 5.0850e+00],  
 [6.2655e-02, 2.0441e-06, 8.2047e-03],  
 [8.7945e+00, 5.8328e-02, 7.5658e-01],  
 [5.4671e+00, 1.9908e-03, 3.7781e-01],

[2.0246e+02, 6.3439e+00, 4.6089e+00],  
 [2.4976e+01, 4.3882e-02, 1.1622e+00],  
 [3.8593e-01, 9.4544e-05, 3.8605e-02],  
 [4.1581e-01, 3.3208e-05, 3.9024e-02],  
 [2.1372e+02, 4.8084e+00, 4.7311e+00],  
 [1.5065e-02, 1.0928e-07, 2.2015e-03],  
 [2.4184e+01, 9.7685e-02, 9.0901e-01],  
 [2.3576e+01, 8.1237e-02, 1.2077e+00],  
 [3.1196e+00, 2.2558e-03, 2.7886e-01],  
 [2.5133e+00, 8.1382e-05, 2.5303e-01],  
 [7.3437e+00, 1.6899e-02, 4.9736e-01],  
 [7.2950e-01, 3.4789e-04, 8.7844e-02],  
 [2.6905e+01, 1.9180e-02, 1.0134e+00],  
 [2.8009e+00, 2.2147e-03, 1.8797e-01],  
 [4.9908e+00, 4.2247e-03, 3.0723e-01],  
 [1.1182e+00, 2.4148e-04, 8.9892e-02],  
 [5.4631e+00, 6.7512e-04, 2.4448e-01],  
 [8.6092e+01, 1.0490e+00, 2.5565e+00],  
 [3.5495e-01, 2.4759e-05, 3.1354e-02],  
 [2.0116e+01, 1.2059e-02, 6.1659e-01],  
 [2.3082e+01, 1.3601e-01, 1.0095e+00],  
 [1.2353e+00, 1.2179e-04, 9.6464e-02],  
 [2.1194e+01, 6.0837e-02, 6.8375e-01],  
 [1.0193e+01, 1.3765e-02, 6.4406e-01],  
 [5.2567e-01, 1.0014e-04, 7.4532e-02],  
 [1.9715e+01, 2.9354e-02, 6.1145e-01],  
 [4.2474e-03, 8.7573e-09, 6.7180e-04],  
 [2.4702e+01, 1.2134e-01, 7.5600e-01],  
 [1.6489e+02, 2.6806e+00, 3.4897e+00],  
 [1.0339e+00, 2.4657e-04, 1.3896e-01],  
 [1.8458e+01, 3.3415e-02, 1.2035e+00],  
 [7.9499e-01, 3.3450e-04, 6.9798e-02],  
 [1.1186e-01, 4.2282e-06, 1.7120e-02],  
 [8.0647e-01, 5.0184e-05, 7.7138e-02],  
 [2.6205e+00, 5.0904e-04, 1.6250e-01],  
 [2.0242e-02, 3.6480e-07, 2.9493e-03],  
 [2.0114e+01, 5.6493e-02, 6.8931e-01],  
 [5.4547e+00, 5.4642e-03, 6.3116e-01],  
 [5.0994e+00, 1.7808e-03, 3.3722e-01],  
 [4.3425e+01, 3.9483e-01, 2.6680e+00],  
 [1.5543e+02, 3.1895e+00, 3.2594e+00],  
 [7.3236e+01, 1.9108e-01, 2.5742e+00],  
 [2.0994e-01, 5.0429e-05, 2.7647e-02],  
 [3.0285e+01, 8.7591e-02, 9.2934e-01],  
 [1.4400e+00, 3.3346e-04, 1.3178e-01],  
 [7.4456e+01, 1.7047e+00, 2.6423e+00],  
 [4.4370e+01, 5.2845e-01, 2.4688e+00],  
 [5.4378e-01, 4.8669e-05, 3.6569e-02],

[9.4600e+01, 1.0559e+00, 3.6097e+00],  
[8.2812e-01, 2.3991e-04, 8.2095e-02],  
[7.9645e+01, 1.1147e+00, 2.2206e+00],  
[4.8918e+01, 4.9150e-01, 2.0810e+00],  
[3.1799e-02, 7.1783e-07, 4.5029e-03],  
[2.4402e-02, 3.4380e-07, 3.7068e-03],  
[4.6794e+00, 3.0432e-03, 2.2238e-01],  
[1.7748e+00, 1.3617e-03, 1.4335e-01],  
[3.1330e+00, 5.9263e-04, 1.9560e-01],  
[5.3060e-01, 1.7713e-04, 6.2117e-02],  
[7.2202e+01, 1.2299e+00, 3.3779e+00],  
[3.4678e-03, 5.5775e-09, 5.4808e-04],  
[1.2560e+00, 4.3519e-04, 1.3107e-01],  
[8.4897e-02, 5.2097e-06, 1.1016e-02],  
[2.3232e+01, 2.1404e-01, 1.7756e+00],  
[1.3161e+02, 9.3039e-01, 3.7467e+00],  
[2.0614e+01, 1.1320e-01, 9.8398e-01],  
[1.1846e+00, 6.3396e-04, 1.5403e-01],  
[3.0244e+00, 1.0176e-03, 2.9776e-01],  
[1.2480e+02, 2.9226e+00, 3.1606e+00],  
[9.4025e+00, 1.0206e-02, 5.1521e-01],  
[1.2171e+02, 1.2300e+00, 4.1140e+00],  
[6.3308e+01, 3.0477e-01, 2.5832e+00],  
[4.5319e+01, 1.2418e-01, 1.6780e+00],  
[1.6998e+01, 2.4982e-02, 5.8449e-01],  
[5.2146e+01, 4.3345e-01, 1.8888e+00],  
[4.2251e-01, 6.6439e-05, 4.0680e-02],  
[5.3551e+01, 6.8640e-01, 3.3737e+00],  
[5.7334e+00, 2.6691e-03, 4.1083e-01],  
[2.3692e+00, 2.9627e-03, 2.5416e-01],  
[1.0809e-01, 5.4724e-06, 1.5150e-02],  
[6.7389e+00, 9.9506e-03, 3.6876e-01],  
[2.7759e+00, 3.4815e-04, 1.8321e-01],  
[1.4998e+01, 6.3749e-02, 9.9813e-01],  
[1.5711e-02, 7.3042e-08, 2.3703e-03],  
[1.0790e+01, 4.2071e-02, 7.5026e-01],  
[1.2657e-01, 3.7495e-06, 1.7877e-02],  
[1.7814e+02, 3.7999e+00, 4.2170e+00],  
[1.1835e-01, 9.1686e-07, 1.5229e-02],  
[2.9743e+00, 9.2942e-04, 2.1259e-01],  
[2.8662e-02, 9.4520e-08, 3.9912e-03],  
[1.5541e+02, 1.7180e+00, 3.4724e+00],  
[4.3741e+00, 2.3716e-03, 2.1561e-01],  
[1.3291e+01, 3.0981e-02, 9.4068e-01],  
[7.3337e+01, 9.9052e-01, 3.4394e+00],  
[1.0145e-01, 2.5684e-06, 1.3418e-02],  
[4.6615e-02, 5.5779e-07, 6.2559e-03],  
[1.0980e+02, 1.4211e+00, 3.6011e+00],



[1.3817e+01, 4.5933e-02, 5.4927e-01],  
[1.8560e+02, 4.1065e+00, 4.1656e+00],  
[2.7697e+01, 2.3406e-01, 2.0006e+00],  
[8.5550e-02, 8.1077e-07, 1.2220e-02],  
[2.0129e-02, 4.5318e-08, 2.9353e-03],  
[2.1327e+02, 3.9438e+00, 4.4836e+00],  
[1.0628e+00, 1.4305e-04, 8.6024e-02],  
[1.3849e+01, 3.7101e-02, 5.9324e-01],  
[5.3665e+01, 2.5330e-01, 3.1162e+00],  
[7.1501e-03, 2.2376e-08, 1.0876e-03],  
[7.4133e-01, 2.8510e-04, 6.4461e-02],  
[1.5167e+02, 1.6469e+00, 3.4275e+00],  
[2.1903e-01, 4.2752e-05, 2.4304e-02],  
[4.9378e+00, 5.3570e-03, 2.9831e-01],  
[1.5273e-01, 1.6219e-05, 2.1199e-02],  
[3.0317e+00, 5.6520e-03, 2.2390e-01],  
[5.0996e+00, 3.7054e-03, 3.0601e-01],  
[1.3110e+02, 9.5084e-01, 4.5519e+00],  
[6.1934e-02, 2.4155e-07, 8.5913e-03],  
[4.2927e+01, 6.1810e-02, 1.9677e+00],  
[5.2106e-04, 1.8535e-11, 8.4924e-05],  
[5.5578e+00, 6.4845e-03, 5.3325e-01],  
[4.3777e-03, 1.1917e-08, 6.9247e-04],  
[5.0466e+01, 4.3166e-01, 1.7425e+00],  
[2.9620e-01, 6.6420e-06, 4.0038e-02],  
[7.9787e-01, 9.3319e-05, 6.5167e-02],  
[2.3684e+01, 2.7079e-02, 6.0790e-01],  
[5.1379e+00, 9.0554e-03, 4.6086e-01],  
[3.9152e+00, 1.5439e-02, 3.9976e-01],  
[9.3830e-01, 1.3481e-05, 6.5114e-02],  
[1.6911e-01, 5.4161e-07, 1.9435e-02],  
[3.1677e+00, 2.4742e-04, 2.1253e-01],  
[1.6530e+01, 8.3743e-02, 8.6420e-01],  
[1.0959e+00, 2.8586e-04, 8.9285e-02],  
[2.3531e-02, 3.0679e-07, 3.2983e-03],  
[5.8828e+00, 1.6972e-03, 3.4424e-01],  
[6.5952e-02, 6.1020e-07, 9.6655e-03],  
[9.4121e-01, 1.5034e-04, 8.3590e-02],  
[3.0662e-02, 8.7161e-07, 4.3576e-03],  
[3.5987e+01, 2.9832e-01, 1.0839e+00],  
[3.5365e-01, 5.4296e-05, 4.2480e-02],  
[5.8837e+01, 3.5012e-01, 2.7069e+00],  
[1.5748e+02, 2.6002e+00, 3.7880e+00],  
[3.1720e+00, 4.2022e-03, 2.5849e-01],  
[2.8917e+01, 3.3814e-01, 1.2653e+00],  
[1.8636e+02, 7.1834e+00, 4.5559e+00],  
[6.5117e+01, 2.9554e-01, 1.5333e+00],  
[5.4534e-01, 9.5338e-05, 5.3716e-02],

```

[1.6987e+02, 3.4060e+00, 3.8231e+00],
[1.1916e+01, 1.9566e-02, 7.2937e-01],
[3.6206e+01, 2.7826e-01, 1.3947e+00],
[8.2469e+01, 1.3557e+00, 2.6630e+00],
[8.8785e+01, 2.2616e+00, 2.1440e+00],
[4.8962e-02, 2.2494e-06, 6.6063e-03],
[2.2146e-01, 1.3253e-05, 2.4091e-02],
[1.8354e+02, 3.2034e-01, 4.3368e+00],
[1.9312e+01, 6.5586e-02, 7.5724e-01],
[8.1507e+01, 1.8376e+00, 2.5502e+00],
[4.1480e-02, 3.6531e-07, 6.2959e-03],
[3.4330e-01, 4.9187e-05, 4.0063e-02],
[4.1670e+01, 8.3640e-02, 2.6226e+00],
[3.8087e+01, 1.0004e-01, 1.0449e+00],
[7.6841e+01, 1.1803e+00, 3.0536e+00],
[2.5009e+01, 1.5090e-01, 2.1851e+00],
[7.3382e-01, 1.9832e-04, 7.5685e-02],
[1.3427e+01, 4.2611e-02, 9.4889e-01],
[4.0106e+00, 1.5788e-03, 3.1353e-01],
[5.1798e-01, 4.9993e-05, 5.8546e-02],
[1.9246e+01, 8.3903e-02, 1.0731e+00],
[3.0158e+01, 1.0873e-02, 1.1501e+00],
[6.8381e-01, 6.2965e-05, 5.2770e-02],
[7.7319e+01, 1.6735e+00, 2.5179e+00],
[8.5227e-02, 7.1537e-06, 1.1396e-02],
[4.5900e-01, 6.2759e-05, 4.8039e-02],
[1.8531e-01, 9.8575e-06, 2.4094e-02],
[8.2683e-01, 2.5182e-04, 8.4206e-02],
[1.8594e+02, 2.7098e-01, 3.6680e+00],
[3.6495e+00, 7.9124e-03, 2.7533e-01],
[6.3374e+01, 3.6486e-01, 1.7217e+00],
[2.0518e+01, 6.2537e-02, 6.6019e-01],
[1.5881e-01, 5.3198e-06, 2.1641e-02],
[7.7854e-01, 2.8732e-04, 1.0023e-01],
[8.5858e-01, 4.8397e-05, 1.0511e-01],
[6.2949e+01, 2.8295e-01, 2.4260e+00]], dtype=torch.float64)
Iteration: 245
Inputs: tensor([[8.2869e+18, 3.4908e+02, 8.2749e+00, 2.7241e+00],
[1.4384e+18, 2.1130e+02, 1.3983e+01, 6.7771e+00],
[9.9616e+19, 1.2063e+02, 1.0106e+01, 5.7589e+00],
...,
[7.9946e+19, 5.9235e+01, 1.6922e+01, 7.6323e+00],
[1.4426e+19, 4.3243e+02, 7.0266e+00, 2.6666e+00],
[1.9910e+18, 2.9233e+02, 1.4966e+01, 2.4470e+00]], dtype=torch.float64)
Target: tensor([[1.7126e+00, 2.0353e-04, 1.4271e-01],
[7.3539e-02, 3.3516e-06, 9.3664e-03],
[1.5358e+01, 5.1438e-02, 9.7168e-01],
[9.9315e+01, 1.2594e+00, 2.7504e+00],

```

[8.7271e+01, 1.6777e-01, 2.2989e+00],  
 [5.0794e-01, 6.3926e-05, 5.4504e-02],  
 [2.1456e+01, 5.3447e-02, 7.5115e-01],  
 [5.2564e-02, 1.2764e-06, 7.9649e-03],  
 [1.5651e-01, 3.3653e-05, 2.2379e-02],  
 [7.0898e+00, 3.2300e-02, 6.1722e-01],  
 [9.2400e+00, 2.1820e-02, 7.4704e-01],  
 [3.2631e+01, 1.5371e-01, 1.0972e+00],  
 [4.7829e+00, 5.3198e-03, 3.3545e-01],  
 [2.8873e+01, 2.5652e-01, 1.6807e+00],  
 [8.5656e+01, 1.0528e+00, 3.2358e+00],  
 [5.7335e-01, 5.5493e-05, 7.1324e-02],  
 [2.6497e+01, 1.3570e-01, 9.8992e-01],  
 [2.0395e+01, 2.1830e-02, 9.7838e-01],  
 [5.6023e+00, 2.2040e-03, 5.0750e-01],  
 [6.2699e-02, 3.1011e-06, 7.9224e-03],  
 [3.6750e+00, 3.3774e-03, 2.3550e-01],  
 [1.7195e+00, 5.3395e-04, 1.0813e-01],  
 [8.2801e+01, 1.3002e-01, 1.7407e+00],  
 [4.7342e+01, 2.9049e-01, 1.2455e+00],  
 [1.6504e+01, 9.1735e-02, 9.8772e-01],  
 [2.2402e+00, 3.8614e-03, 2.4098e-01],  
 [4.0216e-01, 2.9137e-05, 3.5848e-02],  
 [2.2448e+02, 9.0074e+00, 4.9906e+00],  
 [2.0296e-01, 4.3661e-05, 2.8484e-02],  
 [9.0304e+01, 3.8121e-01, 3.3116e+00],  
 [7.3274e+01, 1.6329e+00, 2.0478e+00],  
 [6.2620e+00, 6.3983e-03, 5.6766e-01],  
 [1.1664e+01, 4.1206e-02, 4.7347e-01],  
 [3.3650e-01, 4.7079e-05, 4.2874e-02],  
 [9.6170e-02, 5.9833e-06, 1.1747e-02],  
 [3.9548e+00, 6.8083e-03, 3.0477e-01],  
 [6.4435e-01, 1.4769e-04, 5.4690e-02],  
 [6.8264e-01, 1.8828e-04, 6.7688e-02],  
 [1.0764e+00, 6.0107e-04, 1.3539e-01],  
 [5.8958e+00, 7.9447e-03, 2.9023e-01],  
 [1.9945e+01, 1.9112e-02, 6.1886e-01],  
 [4.2722e-01, 6.2850e-05, 3.5108e-02],  
 [6.0173e-02, 1.3661e-06, 7.6201e-03],  
 [1.7267e+00, 7.2692e-04, 1.1759e-01],  
 [4.0900e+00, 1.1574e-04, 1.7234e-01],  
 [3.1346e+00, 1.6260e-03, 2.5632e-01],  
 [4.7105e+00, 1.2438e-02, 3.9957e-01],  
 [1.6033e+02, 3.9508e+00, 4.6108e+00],  
 [2.5409e-01, 3.9772e-05, 2.7232e-02],  
 [8.7064e-01, 4.1745e-04, 7.5585e-02],  
 [1.1218e+02, 1.0691e-01, 2.5099e+00],  
 [5.1235e+00, 3.9530e-03, 2.9983e-01],

[8.6273e+00, 2.8645e-02, 4.1633e-01],  
 [1.1441e+01, 3.7603e-02, 6.5685e-01],  
 [2.1783e+00, 1.1043e-03, 1.8484e-01],  
 [1.5762e+01, 1.0760e-02, 1.2327e+00],  
 [1.9783e+01, 7.2890e-02, 1.0258e+00],  
 [1.1732e-02, 2.2384e-08, 1.7358e-03],  
 [1.0121e+01, 2.0215e-02, 8.4547e-01],  
 [6.3035e-02, 1.5351e-06, 9.0711e-03],  
 [3.2941e+01, 1.7475e-01, 2.1123e+00],  
 [2.8511e+01, 2.7580e-01, 1.8178e+00],  
 [2.2411e+02, 3.4959e+00, 4.3312e+00],  
 [1.0008e+02, 8.0283e-01, 1.9490e+00],  
 [1.0819e+00, 1.6084e-04, 7.0020e-02],  
 [2.8885e+01, 5.8440e-02, 8.5072e-01],  
 [9.2385e-02, 2.8531e-06, 1.1500e-02],  
 [1.5892e+01, 6.7020e-02, 1.1127e+00],  
 [2.1780e+01, 1.6182e-01, 1.1744e+00],  
 [1.1152e+00, 1.8452e-04, 1.0929e-01],  
 [1.2553e+00, 7.2477e-04, 8.9900e-02],  
 [1.5264e+00, 1.7758e-03, 1.7043e-01],  
 [9.5558e+00, 2.6730e-02, 6.4830e-01],  
 [5.3082e-01, 8.4042e-05, 4.8063e-02],  
 [3.3053e-02, 1.4706e-07, 4.7515e-03],  
 [4.8585e+00, 2.7914e-03, 2.8106e-01],  
 [4.1254e+00, 4.2516e-03, 3.2382e-01],  
 [2.4409e-02, 6.4021e-07, 3.7449e-03],  
 [4.8862e+01, 1.3000e-01, 1.7112e+00],  
 [5.6987e+00, 5.8726e-03, 3.6697e-01],  
 [1.4339e+00, 1.1608e-03, 1.6306e-01],  
 [8.4570e+01, 9.5985e-01, 1.5372e+00],  
 [2.4505e+01, 1.0341e-01, 1.9314e+00],  
 [1.4143e+01, 6.5947e-02, 1.2988e+00],  
 [1.7352e+00, 1.7180e-03, 1.5847e-01],  
 [1.7506e+02, 4.3056e-01, 3.5370e+00],  
 [1.1137e+01, 3.8164e-03, 5.6036e-01],  
 [1.0592e+01, 6.9229e-03, 6.8742e-01],  
 [5.0547e-01, 7.9813e-05, 4.9086e-02],  
 [1.5558e+02, 3.0955e+00, 2.7920e+00],  
 [4.4817e+01, 1.9263e-01, 1.6466e+00],  
 [4.8050e-02, 1.0609e-06, 6.7820e-03],  
 [2.8145e-02, 2.9244e-07, 4.0597e-03],  
 [1.0172e+01, 2.7557e-02, 4.5866e-01],  
 [6.7947e+00, 2.4954e-03, 5.6308e-01],  
 [5.6591e-01, 4.5001e-05, 4.6584e-02],  
 [5.2170e+01, 4.8016e-01, 1.4687e+00],  
 [3.9037e+00, 5.3422e-05, 2.6583e-01],  
 [5.4517e-01, 6.3604e-05, 8.0054e-02],  
 [5.1777e+01, 9.0479e-02, 2.3564e+00],

[2.1268e+00, 5.1687e-04, 1.7402e-01],  
 [8.6768e+01, 9.9559e-01, 2.3743e+00],  
 [2.6604e-02, 4.6760e-07, 3.9319e-03],  
 [4.4263e+00, 7.5059e-03, 3.1997e-01],  
 [1.7873e+02, 3.3161e+00, 3.5179e+00],  
 [5.3463e+01, 1.2677e+00, 2.2882e+00],  
 [4.4436e-01, 1.0398e-04, 5.0706e-02],  
 [6.1062e-01, 4.8768e-05, 4.8339e-02],  
 [3.3246e-02, 1.0764e-07, 4.6321e-03],  
 [1.1421e+01, 3.0214e-02, 8.4737e-01],  
 [4.7244e+01, 6.0231e-01, 1.4330e+00],  
 [4.9895e+01, 3.1837e-02, 1.5629e+00],  
 [1.0538e+01, 2.3802e-02, 1.0086e+00],  
 [1.2687e+02, 2.4319e+00, 4.4325e+00],  
 [8.1692e-01, 3.1221e-04, 7.4944e-02],  
 [3.5928e+00, 1.3582e-03, 3.1621e-01],  
 [6.7607e-01, 6.4689e-05, 5.9060e-02],  
 [1.0377e+00, 1.6978e-05, 7.3826e-02],  
 [8.8455e+00, 3.4475e-02, 7.3616e-01],  
 [2.8599e+01, 1.4883e-01, 8.4345e-01],  
 [1.0804e-01, 1.3795e-05, 1.3510e-02],  
 [2.7688e+01, 1.1569e-01, 1.2558e+00],  
 [1.8355e+01, 1.5824e-01, 1.6426e+00],  
 [9.2783e+01, 1.1432e+00, 1.9711e+00],  
 [3.0893e-02, 1.0088e-07, 4.2580e-03],  
 [1.4067e+00, 5.0844e-05, 8.3476e-02],  
 [1.9503e+01, 4.3407e-02, 8.3362e-01],  
 [2.2452e+01, 1.3254e-01, 1.4439e+00],  
 [1.4072e-01, 8.5830e-06, 1.6973e-02],  
 [1.7385e+01, 1.1886e-01, 8.3993e-01],  
 [4.8805e+01, 4.1183e-01, 1.5838e+00],  
 [2.0174e-02, 1.4656e-07, 2.9029e-03],  
 [7.3011e-01, 1.3996e-05, 5.4718e-02],  
 [7.3995e-02, 4.0993e-07, 9.6397e-03],  
 [1.1686e+00, 1.8045e-04, 9.7436e-02],  
 [5.3071e-01, 6.1408e-05, 4.1531e-02],  
 [5.7500e+00, 1.9825e-02, 4.4953e-01],  
 [4.8398e+00, 5.3889e-03, 2.7159e-01],  
 [6.5416e+01, 8.1571e-01, 2.3269e+00],  
 [2.4607e+00, 2.2626e-03, 1.6584e-01],  
 [7.2796e+00, 1.0536e-03, 2.8855e-01],  
 [1.6888e-01, 4.8216e-06, 1.8924e-02],  
 [5.8137e-02, 8.8984e-07, 7.8800e-03],  
 [8.2350e-02, 8.2126e-06, 1.2076e-02],  
 [2.2589e+01, 4.1547e-02, 8.8228e-01],  
 [2.4689e-01, 5.7510e-06, 2.4346e-02],  
 [3.0182e-01, 1.6220e-05, 3.7097e-02],  
 [5.1743e-01, 2.2206e-05, 3.7614e-02],

[1.5538e-02, 2.4723e-08, 2.3367e-03],  
[3.7429e+00, 2.0780e-03, 2.1571e-01],  
[4.6372e+01, 1.4379e-01, 1.4050e+00],  
[1.4080e+01, 8.1764e-02, 1.2354e+00],  
[1.7617e+01, 9.7232e-03, 1.2604e+00],  
[2.8260e+01, 7.4390e-02, 6.7146e-01],  
[5.6057e+01, 3.3791e-01, 1.7844e+00],  
[1.0792e+01, 9.1888e-03, 4.0704e-01],  
[2.8896e+00, 3.2928e-04, 1.9103e-01],  
[5.0463e+00, 6.8234e-03, 3.6256e-01],  
[8.9590e-01, 3.3418e-04, 9.6509e-02],  
[1.8092e+01, 9.1099e-02, 1.1357e+00],  
[1.4891e-01, 1.4162e-05, 1.6938e-02],  
[1.4830e+02, 2.0189e+00, 3.8357e+00],  
[1.0899e-02, 2.4045e-08, 1.6282e-03],  
[9.9696e+00, 7.0082e-02, 8.4992e-01],  
[8.9458e-02, 4.7891e-06, 1.1404e-02],  
[2.1106e+00, 1.5401e-04, 1.2207e-01],  
[3.6113e+01, 2.4638e-01, 1.4266e+00],  
[2.3056e+01, 1.4424e-02, 1.1963e+00],  
[2.4729e+00, 2.1379e-03, 2.4384e-01],  
[8.7347e+01, 3.0887e-01, 4.0175e+00],  
[5.6773e+00, 3.5928e-03, 6.1658e-01],  
[1.1693e+02, 1.8919e+00, 4.2202e+00],  
[9.2629e+01, 6.4943e-01, 1.6520e+00],  
[3.1528e+01, 2.4014e-01, 1.2175e+00],  
[2.1687e+01, 1.0217e-01, 1.0433e+00],  
[5.3673e-02, 2.3489e-06, 8.0050e-03],  
[3.6280e+00, 4.3151e-03, 2.9830e-01],  
[3.4063e-03, 2.2011e-09, 5.3527e-04],  
[9.6478e+01, 1.9454e-01, 3.9757e+00],  
[7.6968e+00, 5.5059e-03, 5.1198e-01],  
[4.4704e+00, 6.7914e-03, 2.7752e-01],  
[6.7457e-01, 1.5900e-04, 6.6083e-02],  
[1.4478e+02, 2.7511e-01, 3.4864e+00],  
[5.0979e+00, 2.9629e-03, 3.8328e-01],  
[1.4194e+02, 3.1070e+00, 3.9827e+00],  
[3.7928e+01, 2.8940e-01, 1.3104e+00],  
[2.8122e+01, 1.9753e-01, 8.1929e-01],  
[2.9122e+00, 3.6106e-03, 1.8882e-01],  
[1.5921e+00, 6.6521e-04, 1.5070e-01],  
[9.1898e+01, 1.5547e+00, 2.9591e+00],  
[1.3088e+02, 2.8483e+00, 4.2078e+00],  
[3.2660e+01, 4.9915e-01, 1.4120e+00],  
[1.7403e+01, 2.5606e-02, 8.0398e-01],  
[3.7729e+00, 1.1836e-02, 3.6141e-01],  
[1.4810e+01, 8.2796e-02, 7.3319e-01],  
[1.8995e+00, 2.3049e-04, 1.7719e-01],

[2.2495e+00, 1.1874e-03, 1.8389e-01],  
 [8.0010e-01, 5.2886e-05, 4.9095e-02],  
 [1.7180e-01, 1.7054e-05, 2.2472e-02],  
 [2.3473e+01, 5.4298e-02, 1.1619e+00],  
 [4.4058e+00, 3.5318e-03, 4.1175e-01],  
 [1.2777e-01, 5.4268e-06, 1.4664e-02],  
 [8.9077e-01, 9.4091e-06, 6.8991e-02],  
 [3.9981e-01, 3.3282e-05, 3.9658e-02],  
 [1.1236e+02, 2.1535e+00, 3.9917e+00],  
 [3.4994e-01, 7.5591e-05, 3.3844e-02],  
 [6.6629e+00, 3.3469e-03, 4.1510e-01],  
 [6.0717e+01, 1.5720e-01, 2.7592e+00],  
 [7.4683e-01, 1.1375e-04, 6.0008e-02],  
 [7.3194e+00, 2.8200e-03, 3.5018e-01],  
 [3.6177e+01, 7.4721e-02, 1.0486e+00],  
 [7.1708e-01, 5.9461e-05, 4.2823e-02],  
 [4.9375e-01, 3.9034e-05, 7.5901e-02],  
 [2.8077e+02, 5.2770e+00, 4.0842e+00],  
 [1.2180e+01, 1.7893e-02, 3.6657e-01],  
 [1.1880e+00, 1.5008e-04, 1.2536e-01],  
 [2.4059e+01, 1.9594e-02, 1.6869e+00],  
 [6.3995e-03, 2.2076e-08, 9.8582e-04],  
 [3.0641e+01, 7.7795e-02, 1.2199e+00],  
 [1.3152e+00, 1.1963e-04, 1.2306e-01],  
 [1.3715e+00, 9.5396e-04, 1.1960e-01],  
 [2.1798e-02, 6.0275e-07, 3.2171e-03],  
 [7.6066e+01, 6.4965e-01, 2.0950e+00],  
 [5.5263e+01, 5.4990e-01, 1.9758e+00],  
 [1.9268e+01, 2.0311e-02, 1.1854e+00],  
 [4.4332e+01, 2.3451e-01, 1.2031e+00],  
 [1.4248e+00, 1.8716e-05, 8.4846e-02],  
 [1.3543e+01, 1.8155e-02, 1.2586e+00],  
 [1.0208e+02, 1.0719e+00, 2.6403e+00],  
 [5.7167e+01, 7.1153e-01, 2.0409e+00],  
 [1.9546e+00, 1.3312e-03, 1.6267e-01],  
 [8.5488e+01, 8.1933e-02, 1.6971e+00],  
 [3.6337e+01, 1.7051e-02, 9.7681e-01],  
 [6.4016e+01, 4.5234e-01, 2.9767e+00],  
 [2.4087e+00, 3.8518e-03, 2.3805e-01],  
 [1.2939e+02, 2.6266e+00, 3.8009e+00],  
 [7.4317e+00, 1.1727e-02, 8.8003e-01],  
 [4.3369e+00, 5.4904e-03, 3.2792e-01],  
 [1.8311e+00, 3.0550e-04, 1.3742e-01],  
 [8.9763e+01, 1.3043e-01, 3.7064e+00],  
 [1.8444e+01, 1.3320e-01, 1.0703e+00],  
 [3.4756e-01, 4.5817e-05, 3.7872e-02],  
 [5.4596e+01, 1.1892e-01, 1.5677e+00],  
 [1.0044e+01, 3.0881e-02, 4.2921e-01],

[1.7338e+02, 4.1472e+00, 4.3177e+00],  
 [8.3823e-02, 2.4125e-06, 1.1531e-02],  
 [1.1358e+01, 6.3189e-03, 4.6744e-01],  
 [1.0774e+00, 1.9007e-04, 1.2320e-01],  
 [2.0823e+01, 1.3064e-01, 1.3717e+00],  
 [1.7166e-02, 1.4262e-07, 2.6528e-03],  
 [1.4406e-02, 2.1417e-07, 2.1467e-03],  
 [9.3817e-02, 1.8429e-06, 1.1824e-02],  
 [4.6542e-01, 2.6997e-04, 5.8101e-02],  
 [1.7657e+01, 1.5486e-01, 1.2131e+00],  
 [1.3093e-01, 4.3741e-06, 1.4759e-02],  
 [7.8134e+00, 1.1662e-02, 4.8939e-01],  
 [1.4166e+00, 2.5082e-04, 1.4841e-01],  
 [1.5128e-01, 9.1160e-06, 1.7857e-02],  
 [2.7331e+01, 4.2462e-02, 1.0372e+00],  
 [5.4262e+01, 7.0357e-01, 1.6317e+00],  
 [1.2289e+02, 3.7194e-01, 3.5790e+00],  
 [9.2315e+01, 2.8255e+00, 3.4911e+00],  
 [1.3730e-01, 5.8027e-06, 1.6183e-02],  
 [1.1183e+02, 3.2698e+00, 2.9067e+00],  
 [6.6306e+01, 4.8164e-01, 2.4591e+00],  
 [1.5948e+01, 5.3536e-02, 1.4271e+00],  
 [2.6972e+01, 1.9681e-01, 1.3151e+00],  
 [1.4390e+00, 2.8419e-04, 1.1141e-01],  
 [1.3347e+02, 1.6620e+00, 3.2962e+00],  
 [1.2685e-02, 2.0582e-08, 1.9450e-03],  
 [1.3101e+00, 6.8496e-04, 1.4100e-01],  
 [1.0368e+00, 1.7451e-04, 1.0058e-01],  
 [2.6480e+01, 2.0173e-01, 9.1248e-01],  
 [2.5376e-02, 6.3139e-07, 3.6516e-03],  
 [4.1940e-01, 7.3647e-05, 5.5504e-02],  
 [2.3793e+00, 1.1985e-03, 1.9829e-01],  
 [6.0475e+00, 7.1447e-03, 3.3779e-01],  
 [6.2080e+01, 5.5525e-01, 1.9466e+00],  
 [1.1669e+02, 1.3236e+00, 2.3333e+00],  
 [4.7677e-01, 1.5072e-05, 4.1680e-02],  
 [2.1855e-01, 1.3646e-05, 2.1320e-02],  
 [9.7944e+01, 5.7620e-01, 2.8835e+00],  
 [2.6482e-01, 6.0708e-05, 3.5055e-02],  
 [2.8428e+01, 2.6006e-01, 1.0974e+00],  
 [1.4438e+02, 1.6543e+00, 3.3908e+00],  
 [2.3718e-01, 4.6167e-06, 2.9819e-02],  
 [2.7857e+01, 6.8069e-03, 9.1840e-01],  
 [2.1873e+02, 5.4870e+00, 3.7724e+00],  
 [3.6298e+00, 5.4695e-03, 2.5743e-01],  
 [3.5030e+01, 1.1681e-01, 1.5640e+00],  
 [3.2111e-02, 9.3027e-07, 4.6461e-03],  
 [5.4868e+01, 6.5729e-01, 2.7377e+00],



```

[3.5654e+00, 1.7415e-03, 4.6897e-01],
[7.7287e-01, 1.0560e-04, 7.0189e-02],
[4.4742e+01, 1.6014e-01, 1.6710e+00],
[3.3538e+01, 3.7527e-01, 1.2529e+00],
[1.9588e-02, 1.7256e-07, 2.7884e-03],
[1.4088e+02, 3.1420e+00, 4.1679e+00],
[4.1263e+01, 2.5602e-02, 2.2034e+00],
[1.9703e+00, 6.5642e-04, 1.6815e-01],
[2.2563e+00, 2.1025e-04, 1.3591e-01],
[8.5768e+01, 1.0338e+00, 3.0664e+00],
[2.4715e+01, 4.1585e-02, 1.5384e+00],
[6.0012e-01, 6.4573e-06, 5.1763e-02],
[1.4209e+00, 6.0948e-04, 1.5546e-01],
[1.5608e+01, 2.0551e-02, 1.0858e+00],
[2.7691e+00, 2.5361e-03, 1.8274e-01],
[4.9905e+01, 8.5893e-01, 2.1031e+00],
[6.8129e+00, 2.5390e-03, 2.7721e-01],
[1.3958e+00, 1.9205e-04, 1.2728e-01],
[7.2103e-02, 4.1785e-06, 8.9765e-03],
[8.8519e+00, 4.9561e-02, 8.6535e-01],
[5.1324e-01, 7.3820e-05, 4.2864e-02],
[4.2810e-01, 6.6330e-05, 5.2662e-02],
[2.2598e+01, 4.8905e-02, 1.2991e+00],
[2.5622e-01, 3.6193e-05, 3.5627e-02],
[6.9882e+01, 7.6406e-01, 2.0369e+00],
[3.8164e+00, 1.3056e-02, 3.9274e-01],
[5.3643e+00, 1.2254e-03, 3.1357e-01],
[4.9090e-02, 5.3725e-07, 6.7896e-03]], dtype=torch.float64)
Iteration: 246
Inputs: tensor([[6.6371e+20, 3.6143e+02, 1.8995e+01, 3.3496e+00],
[7.4258e+18, 4.8605e+02, 1.8760e+01, 3.8342e+00],
[1.4263e+18, 3.2612e+02, 1.9760e+00, 1.6116e+00],
...,
[2.5666e+19, 4.7534e+02, 9.9869e+00, 4.3689e+00],
[6.8437e+19, 4.5427e+02, 1.8684e+01, 6.1619e+00],
[4.9665e+18, 1.4454e+02, 1.7873e+01, 5.3812e+00]], dtype=torch.float64)
Target: tensor([[8.4102e+01, 7.7393e-01, 3.5290e+00],
[1.3762e+00, 4.0106e-04, 1.2069e-01],
[2.6189e-01, 1.0592e-06, 2.5457e-02],
[4.3419e+00, 1.8757e-02, 4.5663e-01],
[1.2585e+02, 1.1780e-01, 4.3246e+00],
[3.0343e+00, 3.8410e-03, 2.1121e-01],
[1.8073e+01, 6.7784e-02, 6.8443e-01],
[6.3179e+01, 8.1394e-02, 3.0712e+00],
[1.0469e+01, 3.2877e-02, 7.7810e-01],
[1.8737e+01, 3.5029e-03, 6.9071e-01],
[2.5643e+00, 1.9786e-03, 2.1114e-01],
[7.9224e+01, 4.5277e-01, 3.0304e+00],

```

[6.1343e-01, 2.4735e-04, 6.4042e-02],  
 [3.6320e+00, 3.1874e-03, 3.1037e-01],  
 [1.2847e+00, 1.8398e-04, 1.4010e-01],  
 [6.1974e+01, 9.1429e-01, 2.0811e+00],  
 [9.3255e+00, 2.0427e-02, 4.4074e-01],  
 [1.9278e-01, 1.4894e-05, 2.4963e-02],  
 [3.2360e-02, 2.8382e-07, 4.9465e-03],  
 [1.1564e+02, 2.3954e+00, 3.6160e+00],  
 [2.4285e+02, 1.0340e+00, 4.3419e+00],  
 [2.2278e+01, 1.9785e-02, 1.6702e+00],  
 [1.0898e+00, 2.9207e-05, 8.3119e-02],  
 [1.1387e+01, 3.1000e-02, 5.3499e-01],  
 [2.0108e+01, 4.9199e-02, 1.2744e+00],  
 [1.7755e+01, 4.5417e-02, 1.2452e+00],  
 [2.3341e+00, 1.8020e-04, 1.9167e-01],  
 [6.8878e+01, 4.0073e-01, 2.2740e+00],  
 [5.3910e+01, 1.9691e-01, 3.1366e+00],  
 [2.4130e+00, 3.2440e-03, 2.6901e-01],  
 [5.0491e+00, 7.0127e-03, 2.5647e-01],  
 [4.8333e-01, 3.4904e-05, 3.4157e-02],  
 [1.4665e+01, 2.6643e-02, 1.1537e+00],  
 [9.0271e+01, 6.6874e-01, 3.6101e+00],  
 [6.7383e+00, 2.4869e-03, 5.7380e-01],  
 [8.7471e+00, 3.2342e-03, 4.3091e-01],  
 [3.5759e+01, 2.0066e-01, 1.0067e+00],  
 [5.3912e-01, 9.3178e-05, 4.8889e-02],  
 [1.0171e+01, 1.4595e-02, 6.0783e-01],  
 [2.4307e+01, 6.1356e-02, 1.0791e+00],  
 [1.5409e+01, 5.4336e-02, 9.6949e-01],  
 [2.6750e-01, 2.0323e-06, 2.6504e-02],  
 [5.6750e+00, 1.3123e-03, 4.3485e-01],  
 [2.4013e+02, 4.8764e+00, 4.3197e+00],  
 [3.4922e+02, 1.0224e+01, 4.7551e+00],  
 [7.4357e+01, 1.0645e+00, 2.1316e+00],  
 [1.1284e+01, 2.0972e-02, 4.9841e-01],  
 [1.6252e+00, 3.1144e-04, 9.8285e-02],  
 [1.0053e+01, 3.4819e-03, 8.7224e-01],  
 [4.1284e-01, 4.1645e-05, 4.2921e-02],  
 [1.2485e+02, 1.4089e+00, 2.6689e+00],  
 [1.9855e-01, 4.4165e-06, 2.0631e-02],  
 [8.5452e+01, 1.5209e+00, 2.6499e+00],  
 [5.3123e-01, 1.4647e-04, 6.7824e-02],  
 [1.9856e+00, 3.7957e-03, 1.9921e-01],  
 [2.3876e+01, 1.2060e-01, 7.9380e-01],  
 [4.6157e-02, 2.4783e-06, 6.1736e-03],  
 [3.5674e-03, 1.3864e-08, 5.6777e-04],  
 [9.6159e-02, 4.6636e-06, 1.1256e-02],  
 [8.3457e+01, 5.2903e-01, 1.4807e+00],

[8.5687e+01, 1.1945e+00, 3.3756e+00],  
[3.1604e-02, 2.1478e-07, 4.3231e-03],  
[4.1193e+01, 5.0583e-01, 1.3828e+00],  
[1.5688e-03, 1.5097e-09, 2.5433e-04],  
[8.2937e+01, 1.1300e+00, 2.8146e+00],  
[5.6167e+00, 3.4844e-03, 3.6711e-01],  
[9.1177e+01, 8.0839e-01, 2.4276e+00],  
[3.3502e-01, 5.9761e-05, 4.5537e-02],  
[7.6439e+01, 7.9359e-01, 1.9072e+00],  
[1.0956e+01, 2.1379e-02, 3.9169e-01],  
[8.4782e+01, 8.7787e-01, 3.2077e+00],  
[1.0377e-02, 3.6425e-08, 1.5460e-03],  
[3.5718e-01, 1.0867e-04, 4.9965e-02],  
[3.0031e+01, 9.4682e-02, 1.5671e+00],  
[1.5793e+02, 8.5134e-01, 4.7425e+00],  
[1.0232e-01, 5.7599e-06, 1.2801e-02],  
[7.2558e+01, 1.9809e-01, 3.8264e+00],  
[2.2375e+01, 2.4407e-01, 1.4088e+00],  
[2.4551e+01, 7.1383e-02, 2.0489e+00],  
[4.1622e-02, 6.0480e-08, 5.7123e-03],  
[1.9126e+02, 4.7750e+00, 3.4899e+00],  
[5.6034e-01, 1.2092e-04, 4.7755e-02],  
[1.7749e+00, 1.2137e-03, 1.7084e-01],  
[3.9788e-02, 1.4171e-07, 5.8809e-03],  
[1.4191e+00, 7.4133e-04, 1.5789e-01],  
[6.5631e-02, 6.7155e-07, 8.4658e-03],  
[2.3890e+00, 1.8503e-03, 2.1861e-01],  
[1.8289e+00, 1.5931e-03, 1.5022e-01],  
[2.0551e+00, 9.3633e-04, 1.3881e-01],  
[2.2956e+01, 8.4856e-02, 1.3341e+00],  
[1.3982e+00, 4.0895e-04, 1.5354e-01],  
[9.5335e+01, 8.6549e-02, 3.6779e+00],  
[5.9070e+01, 2.2896e-01, 3.0161e+00],  
[1.2887e+02, 2.0301e+00, 2.4050e+00],  
[9.4880e+01, 9.4502e-01, 3.2508e+00],  
[1.5214e+01, 2.8848e-02, 8.8832e-01],  
[1.2614e+00, 1.1815e-04, 9.4540e-02],  
[4.4875e+00, 3.9000e-03, 5.0433e-01],  
[1.2789e+02, 3.3917e+00, 4.4458e+00],  
[4.1604e-01, 1.0809e-04, 5.3565e-02],  
[1.5680e+02, 5.6259e+00, 3.4618e+00],  
[3.5671e-01, 8.7780e-05, 4.6550e-02],  
[7.5993e-02, 1.3221e-06, 9.8526e-03],  
[1.0038e+02, 3.1798e+00, 2.5894e+00],  
[1.1672e+01, 6.6889e-02, 1.0419e+00],  
[1.2187e+02, 2.6371e+00, 2.7962e+00],  
[8.8693e-01, 3.7419e-04, 8.1887e-02],  
[9.1761e+00, 6.7162e-03, 4.0226e-01],

[7.1406e-01, 7.3224e-06, 6.2904e-02],  
[5.1849e-01, 1.8732e-04, 5.2905e-02],  
[1.5366e+02, 5.9068e-01, 4.0047e+00],  
[7.5872e-01, 3.1076e-04, 9.7324e-02],  
[1.4679e+01, 5.7034e-02, 6.6736e-01],  
[3.1093e+00, 1.2956e-03, 2.0934e-01],  
[2.9378e+00, 3.1547e-04, 2.4217e-01],  
[3.2129e+00, 8.1263e-04, 2.4082e-01],  
[3.0746e+01, 4.0446e-02, 1.7038e+00],  
[5.5310e+01, 3.8163e-01, 2.0909e+00],  
[3.6263e+02, 6.5669e+00, 5.1696e+00],  
[2.3161e-01, 2.5123e-05, 3.2677e-02],  
[5.5730e+01, 3.7345e-01, 2.2688e+00],  
[5.7114e+01, 4.5815e-01, 2.9002e+00],  
[1.9981e+01, 4.0893e-02, 5.4202e-01],  
[1.5154e+02, 2.2682e+00, 3.9105e+00],  
[4.4983e+01, 2.5939e-01, 1.4273e+00],  
[4.7650e+00, 8.4937e-04, 2.4676e-01],  
[3.3497e+01, 2.5155e-02, 7.9187e-01],  
[6.8348e-02, 3.0973e-06, 9.5727e-03],  
[3.5521e-03, 6.8491e-09, 5.5666e-04],  
[1.1918e+00, 2.4290e-04, 8.8387e-02],  
[8.2019e-02, 1.3395e-06, 1.1162e-02],  
[1.3496e+02, 3.1110e-01, 2.8951e+00],  
[2.5306e+01, 2.2942e-01, 1.0089e+00],  
[1.9421e+01, 1.5987e-02, 1.2476e+00],  
[1.3871e-01, 1.9567e-05, 1.9564e-02],  
[7.8740e-01, 3.1897e-04, 6.7371e-02],  
[8.8359e+00, 6.7085e-03, 4.4104e-01],  
[2.4927e-03, 4.4024e-09, 3.9413e-04],  
[1.7836e+02, 1.9898e+00, 4.1178e+00],  
[5.9990e-01, 7.8484e-05, 5.0248e-02],  
[2.9438e+02, 9.5699e+00, 4.5985e+00],  
[6.4066e-03, 3.8461e-09, 9.9733e-04],  
[1.0869e+01, 3.5299e-02, 1.0596e+00],  
[9.8663e-02, 6.2242e-06, 1.2125e-02],  
[1.4577e-03, 5.2474e-10, 2.3383e-04],  
[8.9440e+01, 1.3105e-01, 1.6527e+00],  
[8.9417e+00, 8.9811e-04, 3.4973e-01],  
[6.4924e-02, 3.6882e-06, 9.4742e-03],  
[5.5835e+01, 2.7308e-01, 2.5862e+00],  
[2.0776e+01, 5.2452e-02, 8.9201e-01],  
[3.3227e+00, 3.4920e-03, 2.2521e-01],  
[1.2714e-01, 1.6531e-05, 1.5055e-02],  
[5.7173e+01, 1.9063e-01, 1.8137e+00],  
[1.9305e+00, 9.2843e-04, 1.1778e-01],  
[2.9915e+02, 1.4107e+01, 5.0134e+00],  
[1.9605e+01, 8.0526e-02, 1.2066e+00],

[1.2682e+01, 4.3512e-02, 6.2471e-01],  
[2.6580e+02, 4.2905e+00, 4.8757e+00],  
[2.5450e+01, 3.4778e-01, 2.0545e+00],  
[1.1110e+01, 4.1075e-02, 5.1635e-01],  
[3.6608e+01, 8.0419e-02, 1.5194e+00],  
[1.8318e+02, 4.7535e+00, 3.7622e+00],  
[3.1713e+00, 1.2360e-03, 1.6614e-01],  
[3.6279e+00, 1.6479e-03, 3.0289e-01],  
[6.1603e+00, 1.0635e-02, 3.8634e-01],  
[1.5104e+01, 1.1315e-02, 1.1236e+00],  
[3.8432e-01, 8.9577e-05, 4.7782e-02],  
[7.6716e+00, 2.5292e-02, 5.1355e-01],  
[1.6498e+00, 3.4594e-04, 1.2106e-01],  
[2.4840e-01, 7.6191e-06, 3.0512e-02],  
[4.6436e-01, 4.0386e-05, 4.9925e-02],  
[4.1478e-01, 1.3232e-04, 4.6386e-02],  
[1.0988e+00, 1.0714e-03, 1.1928e-01],  
[8.4016e+01, 7.7103e-01, 3.2569e+00],  
[1.5901e+01, 2.2281e-03, 8.5233e-01],  
[7.9715e+00, 5.4212e-03, 3.7322e-01],  
[2.1456e-02, 7.6290e-08, 3.0744e-03],  
[5.4792e-02, 1.1785e-06, 7.0797e-03],  
[1.2428e-01, 9.6935e-06, 1.4097e-02],  
[3.0285e+01, 1.6549e-01, 1.6967e+00],  
[2.2446e+01, 8.4839e-02, 9.1611e-01],  
[5.9460e-01, 5.8459e-05, 5.6821e-02],  
[8.5005e-01, 2.4645e-04, 7.3678e-02],  
[3.9983e+01, 1.4936e-01, 1.0921e+00],  
[3.1067e-01, 7.0451e-05, 3.8391e-02],  
[6.6755e+01, 1.2940e+00, 1.8035e+00],  
[5.5100e-01, 8.1745e-05, 5.6175e-02],  
[7.2081e-01, 4.8804e-04, 7.8018e-02],  
[1.9582e+02, 7.7221e+00, 4.0158e+00],  
[6.1637e-01, 3.7301e-05, 5.4317e-02],  
[1.3310e-03, 3.9061e-10, 2.1449e-04],  
[1.8786e+01, 9.8487e-02, 6.9738e-01],  
[1.6789e-01, 5.5202e-06, 2.1445e-02],  
[7.8933e+00, 6.0971e-03, 3.3854e-01],  
[1.1334e+01, 3.3362e-02, 7.4078e-01],  
[1.9317e+01, 1.5398e-02, 9.2197e-01],  
[5.1520e+01, 9.9513e-01, 2.0272e+00],  
[1.5150e+00, 2.3166e-04, 1.1776e-01],  
[1.0281e+01, 1.1071e-02, 8.8195e-01],  
[7.7271e+01, 5.3781e-01, 3.0909e+00],  
[3.5300e+01, 1.8932e-01, 1.1090e+00],  
[7.3669e+01, 9.6363e-01, 3.7776e+00],  
[8.0408e-02, 5.2456e-06, 1.1491e-02],  
[9.7154e-01, 6.4798e-05, 7.2153e-02],

[2.0120e+00, 2.9323e-04, 1.8326e-01],  
 [4.6350e-01, 5.4157e-05, 3.9872e-02],  
 [7.4085e+00, 8.5001e-04, 4.0517e-01],  
 [3.9545e-01, 2.3135e-06, 4.6769e-02],  
 [1.8974e+01, 5.6492e-02, 7.9128e-01],  
 [1.3803e+00, 3.3395e-04, 1.3056e-01],  
 [3.5137e+01, 1.9023e-01, 1.2903e+00],  
 [1.8891e+02, 2.9733e+00, 2.9208e+00],  
 [7.8195e+01, 1.3598e+00, 1.9423e+00],  
 [3.0020e+00, 1.0329e-03, 3.4552e-01],  
 [2.3978e+01, 2.2591e-01, 1.8671e+00],  
 [2.7074e-01, 1.0423e-05, 2.4216e-02],  
 [2.0356e+01, 8.6956e-02, 7.9721e-01],  
 [5.6323e+01, 4.7053e-01, 1.3374e+00],  
 [1.4079e-01, 8.7758e-06, 1.7137e-02],  
 [5.3863e+00, 2.5600e-02, 4.4579e-01],  
 [3.4555e-01, 2.1929e-05, 4.3073e-02],  
 [7.2467e+00, 5.0277e-03, 5.5507e-01],  
 [1.9774e+01, 4.5587e-02, 1.0340e+00],  
 [3.8738e+01, 3.9986e-02, 1.6410e+00],  
 [7.4341e+00, 1.9514e-02, 3.8233e-01],  
 [7.1030e-02, 5.9651e-07, 9.5286e-03],  
 [4.0435e+01, 1.7876e-01, 9.2012e-01],  
 [5.8764e+01, 1.1599e+00, 1.8444e+00],  
 [4.6201e+00, 4.0310e-03, 3.1149e-01],  
 [4.3510e+00, 3.8914e-03, 3.5679e-01],  
 [8.3792e+01, 8.3875e-01, 1.9731e+00],  
 [1.7642e+00, 1.5177e-03, 2.1402e-01],  
 [8.4103e+00, 1.3178e-02, 7.2465e-01],  
 [6.4356e+01, 1.9133e-01, 1.5929e+00],  
 [8.5454e-01, 1.8332e-04, 8.7255e-02],  
 [3.4860e-02, 6.8418e-08, 5.1482e-03],  
 [1.3388e-01, 9.3866e-06, 1.8632e-02],  
 [4.2751e-02, 3.1135e-07, 5.8946e-03],  
 [2.7006e+01, 5.1292e-02, 1.0352e+00],  
 [7.1727e-01, 3.6030e-04, 8.6466e-02],  
 [3.2380e-02, 8.6656e-07, 4.5180e-03],  
 [4.4546e-01, 1.2283e-04, 4.5586e-02],  
 [1.1175e+02, 2.0114e+00, 4.1498e+00],  
 [2.0391e+00, 2.6529e-04, 1.1074e-01],  
 [4.7793e+00, 6.2977e-04, 3.0737e-01],  
 [1.7533e+02, 3.4335e+00, 3.7299e+00],  
 [6.5524e+00, 4.9870e-03, 7.7686e-01],  
 [9.9559e-01, 2.6990e-04, 1.1259e-01],  
 [2.3758e+01, 7.3440e-02, 1.8240e+00],  
 [9.6585e+01, 2.1753e+00, 3.7822e+00],  
 [1.1925e+01, 1.9256e-02, 5.2217e-01],  
 [1.1356e-01, 4.1526e-06, 1.5556e-02],

[1.4316e+01, 2.5375e-03, 5.2991e-01],  
 [4.3537e+00, 7.1910e-03, 3.6097e-01],  
 [2.4425e+01, 3.4622e-02, 7.6720e-01],  
 [1.9597e+00, 2.6215e-03, 2.6450e-01],  
 [3.5136e+00, 9.6032e-03, 3.8574e-01],  
 [6.1390e+01, 6.7509e-01, 2.5915e+00],  
 [6.8832e+01, 3.0091e-01, 3.6818e+00],  
 [1.6340e+00, 7.1163e-04, 1.5524e-01],  
 [4.8278e+01, 1.9317e-01, 1.2835e+00],  
 [3.5543e-02, 2.7418e-07, 5.3995e-03],  
 [6.2370e-01, 1.4558e-04, 5.5309e-02],  
 [2.9674e+01, 4.4373e-02, 9.5298e-01],  
 [1.3500e+01, 2.8027e-02, 4.6030e-01],  
 [1.2795e+00, 4.9511e-04, 9.6376e-02],  
 [1.4041e+01, 3.4338e-02, 4.6676e-01],  
 [5.7740e-02, 2.8269e-06, 8.1457e-03],  
 [1.1939e+01, 1.6783e-02, 6.1955e-01],  
 [9.9364e+01, 1.1092e+00, 1.9485e+00],  
 [4.4777e-01, 6.4844e-05, 4.7814e-02],  
 [4.0931e-02, 4.9554e-07, 5.8398e-03],  
 [2.6305e+00, 5.4365e-04, 1.7905e-01],  
 [2.5311e+01, 2.3837e-01, 1.4573e+00],  
 [2.1287e+02, 5.4380e+00, 4.6321e+00],  
 [2.9105e-02, 2.7314e-07, 4.4578e-03],  
 [6.0049e+00, 1.5761e-02, 3.6801e-01],  
 [1.5912e+01, 5.7804e-02, 6.0836e-01],  
 [4.7557e-02, 1.9310e-07, 6.9686e-03],  
 [6.2932e+01, 2.3982e-01, 3.4774e+00],  
 [5.8431e+01, 3.9403e-01, 2.5450e+00],  
 [2.5954e+00, 1.0658e-03, 2.8514e-01],  
 [8.4502e-01, 2.6526e-04, 6.7692e-02],  
 [9.1282e+00, 1.4411e-02, 4.0153e-01],  
 [1.1222e+02, 8.5431e-01, 2.7590e+00],  
 [9.9253e+01, 6.4043e-02, 3.9424e+00],  
 [4.9912e+00, 9.4659e-03, 3.0125e-01],  
 [6.5703e+01, 3.1203e-01, 3.4704e+00],  
 [1.3682e+00, 2.9931e-03, 1.7856e-01],  
 [6.8087e-01, 7.2552e-05, 7.7429e-02],  
 [3.4028e-01, 5.9576e-05, 3.2854e-02],  
 [1.4604e-01, 9.6367e-06, 1.7539e-02],  
 [5.0751e+00, 1.2416e-02, 4.3400e-01],  
 [1.7629e+02, 3.6338e+00, 3.7463e+00],  
 [2.3695e+01, 5.1023e-02, 1.8950e+00],  
 [1.5948e+00, 1.5306e-03, 1.8925e-01],  
 [1.5460e+02, 2.8424e+00, 4.2728e+00],  
 [8.8857e-01, 4.4718e-05, 9.1417e-02],  
 [5.0662e+00, 1.0456e-02, 3.7305e-01],  
 [5.5566e+01, 3.1591e-01, 2.8361e+00],

```

[1.7091e-01, 7.5403e-06, 2.1567e-02],
[1.9170e+01, 6.6446e-02, 9.0357e-01],
[5.1847e+00, 9.8009e-03, 3.2672e-01],
[7.1054e+01, 1.2290e-02, 1.7434e+00],
[3.1351e+00, 8.8517e-03, 2.9705e-01],
[2.0395e+01, 5.4726e-02, 1.1088e+00],
[3.3936e+01, 1.8845e-01, 1.0439e+00],
[7.7289e+00, 5.9423e-03, 2.7350e-01],
[7.7712e+01, 1.9055e+00, 2.4409e+00],
[6.3630e+00, 1.4885e-03, 2.5954e-01],
[9.2016e-01, 1.3734e-04, 9.8541e-02],
[1.9201e+01, 5.8876e-02, 1.3825e+00],
[4.0012e+01, 1.0018e-01, 8.9990e-01],
[3.8463e+01, 1.2717e-01, 1.5876e+00],
[5.2263e+01, 1.3776e-01, 1.9681e+00],
[2.4406e-01, 2.8800e-05, 3.3231e-02],
[6.7234e-01, 2.6485e-04, 7.9924e-02],
[1.2891e+01, 1.4567e-02, 5.4904e-01],
[2.8773e+01, 1.9087e-01, 1.0552e+00],
[1.5447e-01, 1.4900e-05, 2.0447e-02]], dtype=torch.float64)
Iteration: 247
Inputs: tensor([[1.1794e+18, 3.0780e+02, 6.7446e-01, 9.8545e+00],
               [4.2083e+18, 3.0174e+02, 6.7826e+00, 9.8694e+00],
               [1.9700e+20, 4.7474e+02, 1.4784e+00, 6.8421e+00],
               ...,
               [1.6823e+20, 1.1989e+02, 5.8017e+00, 8.0324e+00],
               [2.5406e+19, 2.1161e+01, 6.3147e+00, 8.9165e+00],
               [1.6734e+18, 4.6614e+02, 1.7148e+01, 5.7982e+00]], dtype=torch.float64)
Target: tensor([[4.9008e-01, 4.5014e-05, 3.5359e-02],
               [1.6601e+00, 7.5638e-04, 1.1199e-01],
               [1.3168e+02, 1.0872e+00, 2.1721e+00],
               [6.1193e-02, 2.4227e-06, 8.6095e-03],
               [1.9939e+02, 4.2350e-01, 4.8934e+00],
               [2.5202e+01, 1.1161e-01, 1.0443e+00],
               [2.1247e+00, 2.8846e-03, 1.7503e-01],
               [2.5793e+02, 8.8174e+00, 4.1815e+00],
               [3.7168e+00, 1.9369e-03, 2.2917e-01],
               [3.0074e+01, 2.1592e-01, 1.0228e+00],
               [1.6126e-02, 3.9365e-07, 2.4037e-03],
               [2.3904e+01, 9.2291e-02, 1.3285e+00],
               [9.9367e+01, 1.1443e-01, 2.9028e+00],
               [1.7038e+00, 1.2870e-04, 1.5323e-01],
               [1.2750e+01, 2.5857e-02, 6.3223e-01],
               [5.4408e-02, 4.8011e-07, 7.6014e-03],
               [1.0207e+02, 1.3358e+00, 2.7448e+00],
               [2.1449e+01, 2.1629e-02, 1.2493e+00],
               [1.5625e+00, 2.6035e-04, 1.2793e-01],
               [4.7769e-01, 2.7699e-04, 5.8610e-02],

```



[9.8560e+00, 2.7793e-02, 6.0591e-01],  
 [1.0570e+01, 4.7524e-03, 5.8308e-01],  
 [2.0655e+01, 1.8947e-02, 1.2261e+00],  
 [9.9633e+01, 4.2483e-01, 2.0144e+00],  
 [2.9595e+01, 9.4996e-02, 1.1337e+00],  
 [1.1126e+01, 6.5618e-03, 6.6586e-01],  
 [1.0568e-01, 1.4078e-06, 1.2678e-02],  
 [1.5790e-01, 1.0390e-06, 1.9215e-02],  
 [7.1188e+01, 9.9628e-01, 2.9268e+00],  
 [2.4551e+01, 6.4495e-02, 9.4098e-01],  
 [6.5591e-01, 2.1133e-05, 5.4186e-02],  
 [4.3656e+01, 3.9599e-01, 1.5052e+00],  
 [1.9192e+02, 4.9205e+00, 4.8453e+00],  
 [4.5864e+01, 5.5567e-02, 2.7785e+00],  
 [1.5729e+02, 2.8550e+00, 2.9816e+00],  
 [1.0407e-01, 1.5391e-06, 1.4558e-02],  
 [4.9165e+00, 3.1881e-03, 3.0456e-01],  
 [7.8431e-01, 7.2074e-05, 9.2982e-02],  
 [5.6982e+00, 1.3884e-02, 5.3604e-01],  
 [6.9511e-01, 2.4383e-05, 8.0044e-02],  
 [2.6819e+00, 1.5547e-03, 1.6540e-01],  
 [7.6543e-01, 2.0898e-04, 9.1363e-02],  
 [6.3914e+01, 6.3574e-01, 1.7226e+00],  
 [7.8976e+00, 3.0406e-02, 6.7208e-01],  
 [2.5648e-01, 2.3324e-05, 3.4757e-02],  
 [2.7822e+00, 1.7901e-03, 3.2030e-01],  
 [6.4672e-02, 1.9632e-06, 8.7968e-03],  
 [3.4754e+01, 1.8073e-01, 1.5060e+00],  
 [9.2619e-02, 1.1943e-05, 1.3363e-02],  
 [2.5386e-01, 3.8398e-06, 2.9154e-02],  
 [1.0847e+00, 2.5907e-04, 1.2914e-01],  
 [5.3230e+00, 1.6288e-03, 3.9981e-01],  
 [1.5733e-02, 1.0611e-07, 2.3280e-03],  
 [2.1669e+01, 3.1748e-02, 7.0557e-01],  
 [7.8515e+01, 8.7791e-01, 2.4111e+00],  
 [4.0778e-01, 8.4928e-05, 3.9153e-02],  
 [2.6236e+00, 7.9192e-04, 1.8900e-01],  
 [7.8986e+01, 8.8543e-01, 2.4065e+00],  
 [2.6101e-02, 9.9113e-08, 3.8386e-03],  
 [4.8909e+01, 3.2354e-01, 1.9924e+00],  
 [6.0742e+00, 5.6509e-03, 4.1220e-01],  
 [1.0985e-01, 2.5933e-06, 1.3725e-02],  
 [2.5558e+00, 1.7628e-03, 2.0834e-01],  
 [4.4376e-01, 5.2508e-05, 3.5656e-02],  
 [2.0745e+02, 3.6826e+00, 4.0131e+00],  
 [3.1002e+02, 9.3375e+00, 4.8578e+00],  
 [7.6835e+00, 1.1203e-02, 3.6558e-01],  
 [1.1006e-01, 5.8149e-06, 1.5494e-02],

[1.6006e+02, 4.0891e+00, 3.6255e+00],  
 [3.8278e-01, 1.9366e-05, 3.9852e-02],  
 [1.7743e+01, 2.6307e-03, 5.0251e-01],  
 [1.5079e+01, 2.4405e-02, 5.5633e-01],  
 [9.0684e-01, 3.9104e-04, 9.6141e-02],  
 [7.5612e-01, 1.7652e-04, 9.4982e-02],  
 [1.8400e+02, 1.4325e+00, 4.1636e+00],  
 [2.6977e+01, 1.5713e-02, 1.7256e+00],  
 [7.6207e+00, 6.0928e-04, 3.1160e-01],  
 [8.3069e-01, 1.7534e-04, 1.1979e-01],  
 [2.3805e+00, 6.2551e-04, 1.5543e-01],  
 [1.0478e+01, 1.4923e-02, 8.6731e-01],  
 [2.3353e+01, 1.5352e-01, 8.9296e-01],  
 [1.5973e+01, 2.5960e-02, 9.7132e-01],  
 [1.6024e+02, 1.4933e+00, 2.6742e+00],  
 [1.2543e+02, 1.8169e+00, 2.2096e+00],  
 [8.5228e+00, 1.8882e-02, 8.5710e-01],  
 [1.8289e+00, 8.4996e-04, 1.2172e-01],  
 [1.7711e-01, 6.8866e-06, 1.8403e-02],  
 [1.4767e+01, 1.3670e-02, 6.4450e-01],  
 [1.8794e+02, 4.2344e+00, 4.6448e+00],  
 [6.1426e-01, 2.7385e-05, 5.2760e-02],  
 [4.9094e+01, 2.2131e-01, 2.2011e+00],  
 [1.1074e+00, 2.1403e-04, 7.5626e-02],  
 [1.2695e+01, 2.6015e-02, 9.3713e-01],  
 [1.8203e+02, 2.7756e+00, 4.2368e+00],  
 [1.7306e+01, 1.0580e-02, 1.0044e+00],  
 [3.2440e+02, 1.2584e+01, 4.9469e+00],  
 [6.6374e-02, 3.8413e-06, 8.1721e-03],  
 [1.7571e-01, 1.5411e-05, 1.8778e-02],  
 [2.7992e-01, 3.8257e-05, 2.8418e-02],  
 [1.8859e-01, 2.1653e-05, 2.2956e-02],  
 [2.2443e+02, 3.2807e+00, 4.0998e+00],  
 [2.8349e-03, 1.8003e-09, 4.4969e-04],  
 [6.2657e+01, 4.5466e-01, 1.7934e+00],  
 [7.6417e+00, 1.1684e-02, 5.9490e-01],  
 [8.0256e-02, 2.8255e-07, 1.1751e-02],  
 [1.1821e+00, 2.9964e-04, 1.0090e-01],  
 [7.6931e+01, 1.5373e+00, 2.1905e+00],  
 [5.1294e-01, 2.6014e-05, 4.1473e-02],  
 [1.8421e+00, 3.7034e-04, 1.0207e-01],  
 [4.2773e-01, 9.1153e-05, 4.5431e-02],  
 [1.4049e+02, 1.9195e+00, 4.4808e+00],  
 [1.0720e+02, 2.9173e+00, 3.3108e+00],  
 [2.4285e+00, 5.3445e-04, 2.2985e-01],  
 [9.1665e+01, 2.3304e-01, 2.6950e+00],  
 [1.1483e+01, 7.3419e-03, 4.0300e-01],  
 [1.3713e+00, 5.6482e-04, 1.4295e-01],

[1.7001e+00, 3.0252e-04, 1.3865e-01],  
[3.1483e+00, 1.0943e-03, 2.6304e-01],  
[8.5561e+01, 1.3629e+00, 1.9749e+00],  
[6.8283e-01, 3.5262e-04, 9.9742e-02],  
[9.6800e+01, 8.9017e-01, 4.1177e+00],  
[4.8624e+01, 3.5514e-02, 1.4920e+00],  
[4.7890e-02, 1.5080e-06, 6.5771e-03],  
[8.1948e+00, 5.6079e-03, 4.3074e-01],  
[2.6027e+01, 4.4165e-01, 1.7369e+00],  
[3.6102e+01, 4.6610e-02, 2.2629e+00],  
[2.4769e+00, 1.8738e-04, 2.1116e-01],  
[1.6840e+01, 8.0513e-03, 1.0358e+00],  
[1.0455e-01, 8.7706e-06, 1.4081e-02],  
[8.1166e+01, 1.2076e+00, 3.5469e+00],  
[3.0511e+00, 6.4135e-04, 1.4565e-01],  
[1.4332e+00, 4.2125e-04, 1.0631e-01],  
[6.5211e+01, 2.8876e-01, 2.6973e+00],  
[1.7228e+00, 2.7948e-03, 1.9062e-01],  
[4.5799e+01, 2.4986e-01, 2.1222e+00],  
[3.1328e+01, 1.6922e-01, 1.5311e+00],  
[7.9513e+01, 1.3762e+00, 2.3053e+00],  
[5.9011e+01, 1.1188e+00, 2.4701e+00],  
[1.2282e+02, 1.1965e+00, 2.3540e+00],  
[2.1950e+01, 1.0757e-01, 9.4074e-01],  
[9.2911e+00, 1.3193e-02, 3.9230e-01],  
[8.2114e-02, 1.0898e-06, 1.1697e-02],  
[4.0011e+01, 1.4511e-01, 1.1844e+00],  
[4.0987e+01, 3.9256e-01, 1.8523e+00],  
[4.3810e-02, 1.0426e-06, 6.0695e-03],  
[4.5256e+01, 1.9829e-01, 1.0646e+00],  
[4.5360e-01, 3.6811e-05, 3.5541e-02],  
[6.1263e-01, 5.7410e-05, 6.1924e-02],  
[1.8364e-01, 5.7479e-06, 2.1164e-02],  
[1.8447e+02, 8.0260e+00, 4.0050e+00],  
[9.9163e+00, 5.6005e-03, 9.1801e-01],  
[2.0745e-01, 1.3749e-05, 3.1374e-02],  
[1.0844e+02, 2.1353e+00, 3.8848e+00],  
[1.0442e+00, 3.6849e-04, 8.0469e-02],  
[1.0342e+02, 5.3362e-01, 2.5261e+00],  
[2.4730e+00, 5.7555e-04, 1.4580e-01],  
[1.4001e+01, 1.7512e-02, 6.0755e-01],  
[2.7748e+01, 3.3235e-02, 1.4796e+00],  
[1.8508e+02, 1.7126e+00, 3.8957e+00],  
[2.0448e-01, 8.7771e-06, 1.9843e-02],  
[4.4392e-01, 2.8851e-05, 5.7462e-02],  
[1.1883e+01, 7.7916e-02, 7.5302e-01],  
[5.9514e+00, 1.4252e-02, 3.9222e-01],  
[1.0940e+01, 2.9292e-02, 5.2669e-01],

[8.0514e+00, 1.8878e-02, 9.4627e-01],  
[5.1821e+01, 3.6586e-01, 1.9961e+00],  
[9.4303e+01, 2.3805e+00, 3.0717e+00],  
[2.8334e+01, 1.2692e-01, 1.7309e+00],  
[2.1703e-01, 1.3747e-05, 2.8019e-02],  
[1.6009e+01, 3.2515e-02, 6.4585e-01],  
[1.4257e-01, 3.9091e-06, 2.0837e-02],  
[7.0711e+00, 4.4689e-03, 4.0687e-01],  
[9.1584e+01, 1.8336e+00, 2.8080e+00],  
[9.5179e+01, 2.0050e-01, 3.5949e+00],  
[5.9636e+00, 7.1145e-04, 2.6480e-01],  
[2.8858e+01, 1.2934e-01, 7.9554e-01],  
[5.9826e+01, 2.1216e-01, 2.0198e+00],  
[1.8243e+00, 1.8828e-03, 1.9211e-01],  
[2.2277e-02, 6.5228e-07, 3.4078e-03],  
[1.4743e+01, 1.5110e-02, 5.4674e-01],  
[4.0402e+01, 4.1244e-01, 1.4531e+00],  
[8.3766e-01, 3.2012e-04, 9.4889e-02],  
[6.3455e+01, 2.9634e-01, 2.3755e+00],  
[2.9789e+00, 2.3154e-03, 1.5899e-01],  
[2.6986e-01, 5.0892e-06, 3.1305e-02],  
[1.8492e+00, 1.1458e-03, 1.3719e-01],  
[2.7062e+02, 8.8133e+00, 4.7318e+00],  
[1.3324e+01, 8.0841e-03, 7.2668e-01],  
[8.5299e+01, 8.1754e-01, 3.2879e+00],  
[6.4325e-02, 1.1209e-06, 8.0387e-03],  
[1.4613e+00, 9.8484e-04, 1.2914e-01],  
[1.4101e+01, 2.3374e-02, 5.2986e-01],  
[1.1412e+02, 1.8850e+00, 4.4061e+00],  
[6.5882e+01, 1.3240e+00, 2.2413e+00],  
[5.2608e-01, 1.1504e-04, 7.1069e-02],  
[9.3397e+01, 6.1498e-01, 4.0924e+00],  
[2.4202e+00, 1.9161e-03, 2.8531e-01],  
[5.5226e+01, 5.2581e-01, 1.6086e+00],  
[4.9010e+01, 4.6074e-01, 1.8602e+00],  
[3.9470e+01, 3.7154e-01, 1.3416e+00],  
[2.1252e+01, 1.7311e-02, 6.2429e-01],  
[3.4972e-01, 3.6428e-05, 2.7976e-02],  
[1.3952e+00, 1.8826e-04, 1.1394e-01],  
[5.0694e+01, 4.0406e-02, 2.3408e+00],  
[4.6386e-02, 1.7095e-07, 6.3409e-03],  
[3.8461e+01, 1.2302e-02, 1.7701e+00],  
[2.3630e+00, 2.3713e-03, 2.4215e-01],  
[4.0175e+01, 9.3950e-02, 2.3727e+00],  
[8.5566e+01, 1.6138e-01, 2.2194e+00],  
[6.6000e+01, 2.7382e-01, 1.6284e+00],  
[6.7784e-02, 3.7668e-06, 9.0049e-03],  
[3.5798e-01, 2.8076e-05, 3.4203e-02],

[1.2237e+02, 1.7299e+00, 3.2689e+00],  
 [4.7921e+00, 1.7829e-02, 4.1187e-01],  
 [3.1271e-01, 1.2163e-04, 4.0089e-02],  
 [7.2064e+00, 1.3794e-03, 3.5591e-01],  
 [6.7471e+00, 7.0045e-03, 4.4570e-01],  
 [3.8659e+01, 2.0885e-01, 1.8328e+00],  
 [7.7467e+01, 4.3391e-01, 2.0202e+00],  
 [3.7195e+01, 8.8154e-02, 2.1335e+00],  
 [1.6469e+00, 2.0399e-04, 1.2993e-01],  
 [2.8207e+02, 6.8271e+00, 4.9158e+00],  
 [4.6497e-01, 1.0947e-05, 4.9179e-02],  
 [8.8453e+01, 9.4257e-01, 2.2287e+00],  
 [8.2762e-01, 1.6375e-04, 1.0290e-01],  
 [7.7686e-01, 1.5612e-04, 6.7064e-02],  
 [2.7356e+01, 1.3178e-01, 1.0407e+00],  
 [1.8307e+01, 2.4511e-02, 1.0095e+00],  
 [1.8708e+00, 4.6019e-04, 1.1876e-01],  
 [2.0930e+01, 7.7895e-02, 8.3250e-01],  
 [3.6559e-01, 1.8340e-05, 4.8346e-02],  
 [1.9070e+01, 1.3021e-01, 1.0227e+00],  
 [6.7099e-01, 1.7029e-04, 7.2403e-02],  
 [2.4831e+01, 3.0335e-01, 1.2372e+00],  
 [2.3647e+01, 9.2134e-02, 9.3358e-01],  
 [5.9101e-01, 2.9199e-04, 7.6480e-02],  
 [1.5225e-02, 4.3905e-08, 2.4033e-03],  
 [4.7545e+00, 3.0878e-03, 3.8391e-01],  
 [3.1780e+02, 7.0277e+00, 5.0234e+00],  
 [1.7422e+01, 7.6485e-03, 4.8421e-01],  
 [4.2153e+01, 2.0376e-01, 9.2391e-01],  
 [3.5051e-02, 1.1133e-06, 5.2470e-03],  
 [3.1924e+00, 3.5802e-03, 3.6230e-01],  
 [1.2507e+00, 1.5516e-04, 7.7350e-02],  
 [1.6399e+02, 3.1179e-01, 3.9112e+00],  
 [5.5842e+01, 1.7198e-01, 1.5282e+00],  
 [3.8102e+01, 3.6327e-01, 1.6461e+00],  
 [1.4994e+01, 6.0953e-04, 5.0700e-01],  
 [1.9674e+01, 1.2243e-01, 1.3195e+00],  
 [1.3377e+01, 3.2071e-02, 5.4053e-01],  
 [1.0389e+00, 2.2236e-04, 8.1455e-02],  
 [3.3971e+00, 2.3998e-03, 2.5688e-01],  
 [7.6229e-02, 1.3285e-06, 1.1107e-02],  
 [1.7863e+01, 4.5336e-02, 8.1117e-01],  
 [6.9373e+01, 1.1403e-01, 2.2716e+00],  
 [4.3127e-01, 7.3316e-05, 5.5783e-02],  
 [1.1630e+01, 8.3576e-03, 4.9010e-01],  
 [2.1683e+01, 1.8354e-03, 1.0083e+00],  
 [6.7696e+00, 9.2517e-03, 3.1618e-01],  
 [1.1524e+01, 4.7723e-03, 7.4720e-01],

[1.5739e-03, 1.8144e-09, 2.5672e-04],  
[3.3442e+01, 1.5274e-01, 1.0715e+00],  
[1.7708e+00, 6.9929e-04, 1.2519e-01],  
[1.1545e+01, 1.0483e-02, 6.8515e-01],  
[1.7402e+02, 2.6573e+00, 4.5556e+00],  
[1.0039e-02, 3.9293e-08, 1.4973e-03],  
[4.1791e-01, 1.3312e-04, 4.5472e-02],  
[2.9792e-01, 4.5792e-05, 3.1463e-02],  
[4.1682e+00, 1.3031e-03, 3.5349e-01],  
[1.0698e+02, 4.3209e-01, 3.8433e+00],  
[6.3587e-01, 9.7662e-05, 7.4376e-02],  
[7.1569e-01, 2.4955e-04, 7.4917e-02],  
[1.5509e-01, 9.4742e-07, 2.1849e-02],  
[1.7579e-02, 7.4457e-08, 2.8006e-03],  
[4.2958e+00, 2.3995e-03, 3.2404e-01],  
[1.8428e+00, 4.2320e-04, 1.6303e-01],  
[3.4269e-01, 3.5536e-05, 4.3996e-02],  
[1.6017e+00, 4.8256e-04, 1.2457e-01],  
[4.4017e-01, 1.1586e-04, 4.9601e-02],  
[3.0810e+02, 1.0450e+01, 4.6973e+00],  
[5.2174e-01, 1.1640e-04, 6.6220e-02],  
[2.1806e-01, 9.6528e-06, 2.6783e-02],  
[2.1417e-01, 1.8577e-05, 2.3017e-02],  
[1.1249e+01, 3.4532e-03, 7.3775e-01],  
[1.5291e-01, 9.5208e-06, 1.6389e-02],  
[1.0040e+00, 7.7811e-05, 8.7211e-02],  
[3.3540e+01, 4.5555e-02, 1.4951e+00],  
[1.2298e+01, 1.5750e-02, 4.8080e-01],  
[2.8699e+00, 1.5197e-03, 2.0289e-01],  
[9.8608e-01, 4.1718e-04, 8.2629e-02],  
[6.0600e-02, 2.0201e-06, 9.3433e-03],  
[4.1242e-01, 4.2725e-05, 3.4887e-02],  
[1.7946e+02, 8.6639e-01, 4.0230e+00],  
[2.4406e+00, 1.0655e-03, 1.7991e-01],  
[4.5922e+01, 6.2807e-01, 1.7337e+00],  
[1.6206e-02, 4.2337e-08, 2.5240e-03],  
[2.2643e+00, 1.0880e-03, 1.4339e-01],  
[1.3626e+02, 3.6545e-01, 3.2888e+00],  
[3.5958e+00, 1.4766e-03, 2.3030e-01],  
[6.1557e+00, 7.8907e-03, 4.1983e-01],  
[2.3791e+01, 9.2317e-02, 8.2592e-01],  
[2.3745e+01, 2.6406e-02, 1.1528e+00],  
[1.1232e+00, 8.3088e-04, 1.3046e-01],  
[6.8021e+01, 5.9270e-01, 3.3044e+00],  
[8.4189e+01, 8.8057e-01, 2.9183e+00],  
[1.7694e+01, 8.2276e-02, 6.9544e-01],  
[9.6382e-02, 1.5650e-05, 1.4040e-02],  
[4.0829e+00, 2.2209e-03, 2.8399e-01],

```

[3.6917e+00, 3.2171e-04, 1.7261e-01],
[1.2582e-02, 3.1748e-08, 1.9346e-03],
[9.6034e+01, 1.3673e+00, 2.5930e+00],
[3.9283e+01, 2.8313e-01, 1.6572e+00],
[1.5424e+00, 1.1670e-04, 1.0134e-01],
[3.2174e+01, 6.2287e-02, 7.3496e-01],
[3.7847e+01, 2.5632e-01, 2.2179e+00],
[5.8500e+00, 6.8531e-03, 4.0102e-01],
[2.1884e-01, 1.3667e-05, 2.1857e-02],
[3.6779e+01, 2.5109e-01, 1.6380e+00],
[3.5106e-01, 1.2245e-04, 4.8199e-02],
[2.4270e-01, 2.2837e-05, 2.5067e-02]], dtype=torch.float64)
Iteration: 248
Inputs: tensor([[4.8980e+18, 1.3931e+02, 4.2188e+00, 3.0271e+00],
[3.2485e+18, 2.0036e+02, 1.3463e+01, 2.8302e+00],
[3.9060e+18, 3.5442e+02, 3.5053e+00, 4.2264e+00],
...,
[1.1082e+18, 2.2961e+02, 1.2478e+01, 3.7845e+00],
[3.8947e+19, 3.1889e+02, 1.9434e+01, 4.9131e+00],
[3.9820e+20, 2.4738e+02, 1.7746e+01, 2.3947e+00]], dtype=torch.float64)
Target: tensor([[4.0311e-01, 1.2971e-05, 4.5553e-02],
[8.1843e-02, 1.6064e-06, 1.1205e-02],
[1.6570e+00, 1.4357e-04, 1.0860e-01],
[1.3058e-01, 1.0190e-05, 1.6289e-02],
[1.3573e+01, 6.7834e-02, 8.2440e-01],
[4.7021e+01, 6.2655e-01, 2.7708e+00],
[1.5817e+01, 1.4638e-02, 8.8515e-01],
[6.0115e+01, 7.1591e-01, 3.0147e+00],
[5.7316e+01, 5.2400e-01, 2.5202e+00],
[2.5577e+01, 5.0501e-02, 9.2246e-01],
[5.8281e+01, 2.6292e-01, 1.7519e+00],
[9.7424e+01, 2.1102e-01, 3.3582e+00],
[4.2600e+00, 2.6973e-03, 2.6812e-01],
[6.8482e-03, 1.2428e-08, 1.0472e-03],
[1.2093e-03, 1.6603e-09, 1.9523e-04],
[2.3885e+00, 3.2250e-03, 2.3185e-01],
[3.8546e-01, 4.0678e-05, 2.9057e-02],
[2.4071e+00, 2.1651e-03, 2.0769e-01],
[1.0538e+01, 3.1191e-02, 6.6404e-01],
[4.9706e+01, 3.8418e-01, 2.0814e+00],
[4.5183e-02, 6.8457e-07, 6.8164e-03],
[1.5222e-03, 8.9366e-10, 2.4681e-04],
[4.0929e+01, 1.7932e-01, 9.3634e-01],
[2.7874e-01, 1.0181e-05, 3.4473e-02],
[3.7069e+01, 1.2117e-01, 1.2058e+00],
[7.7049e+01, 1.9268e-01, 3.4580e+00],
[4.8100e-01, 1.5172e-04, 4.7455e-02],
[2.5612e+00, 1.1614e-03, 1.8080e-01],

```

[2.2141e+02, 1.6233e+00, 3.9240e+00],  
 [2.8863e-02, 3.0537e-07, 4.1270e-03],  
 [3.1104e+01, 8.4561e-02, 1.2550e+00],  
 [5.6881e+01, 1.3323e-01, 3.0582e+00],  
 [1.5297e-02, 1.6553e-07, 2.3592e-03],  
 [4.9211e+01, 5.6829e-01, 1.5669e+00],  
 [6.7916e-01, 1.3913e-04, 6.4359e-02],  
 [2.7654e-01, 2.9693e-05, 2.3916e-02],  
 [1.3502e+01, 2.0520e-02, 5.5172e-01],  
 [7.4978e-03, 5.0459e-08, 1.1437e-03],  
 [2.2129e-01, 7.7293e-06, 2.4156e-02],  
 [1.5200e+01, 5.6857e-02, 1.0161e+00],  
 [6.5376e+00, 3.2433e-02, 7.0595e-01],  
 [2.5229e+01, 1.7386e-02, 1.0879e+00],  
 [7.4299e+01, 2.4858e-01, 1.4714e+00],  
 [4.0085e+00, 8.4590e-03, 2.9445e-01],  
 [3.7327e+01, 1.8077e-01, 1.7198e+00],  
 [2.1844e+02, 8.1599e+00, 4.0167e+00],  
 [4.9612e+00, 2.2325e-03, 5.7858e-01],  
 [1.9483e-01, 5.7232e-06, 2.2978e-02],  
 [5.5228e-02, 2.3150e-06, 7.6278e-03],  
 [7.3458e+01, 1.3688e+00, 2.1384e+00],  
 [1.5658e+01, 4.7739e-02, 7.5792e-01],  
 [8.7312e-01, 1.2665e-04, 7.7498e-02],  
 [3.2636e-01, 1.6094e-05, 4.0943e-02],  
 [1.1418e+01, 1.6898e-02, 4.1018e-01],  
 [3.6183e+00, 1.5519e-04, 2.3461e-01],  
 [4.0894e+01, 2.2519e-01, 1.3030e+00],  
 [1.7282e+01, 2.9068e-02, 1.0262e+00],  
 [2.7452e+00, 3.1377e-03, 2.5845e-01],  
 [3.5977e+01, 1.3641e-01, 1.0880e+00],  
 [4.7536e+00, 1.1743e-02, 3.6956e-01],  
 [7.4660e+01, 1.0320e+00, 1.6570e+00],  
 [1.4834e+00, 6.7037e-04, 1.2487e-01],  
 [1.3708e-01, 8.3015e-06, 1.6319e-02],  
 [8.1329e-02, 3.8855e-06, 1.1807e-02],  
 [7.8666e+00, 5.4895e-03, 3.0794e-01],  
 [9.6952e-01, 3.3527e-04, 9.2190e-02],  
 [1.7969e+00, 1.5269e-03, 1.5290e-01],  
 [1.4539e+01, 1.0264e-01, 9.8236e-01],  
 [7.6287e+01, 8.8413e-01, 3.5209e+00],  
 [1.0137e+01, 4.3291e-02, 1.1192e+00],  
 [2.6501e+01, 9.3110e-02, 8.6104e-01],  
 [2.1331e+02, 2.1062e+00, 3.1069e+00],  
 [1.0865e+01, 1.5750e-02, 6.4620e-01],  
 [2.3711e+01, 4.2603e-02, 8.1095e-01],  
 [7.1696e-01, 2.0751e-04, 8.8366e-02],  
 [2.6258e+01, 4.6453e-01, 1.7803e+00],



[1.5978e-01, 1.6123e-05, 1.7621e-02],  
[4.9815e+01, 1.3132e+00, 2.7917e+00],  
[4.8599e+01, 3.7335e-01, 3.1776e+00],  
[1.8374e+01, 3.1685e-02, 6.2913e-01],  
[5.7536e+00, 8.0478e-03, 4.5018e-01],  
[1.4712e+00, 3.2770e-04, 1.1877e-01],  
[1.5004e+02, 5.2948e+00, 4.5040e+00],  
[5.5083e+01, 3.1668e-01, 2.7005e+00],  
[6.5948e-02, 3.4449e-07, 9.1378e-03],  
[3.6490e+01, 5.1257e-01, 2.4278e+00],  
[2.0230e+02, 2.6144e+00, 4.0991e+00],  
[9.1397e+01, 7.6124e-01, 3.0112e+00],  
[6.1787e+01, 3.2111e-01, 2.2570e+00],  
[1.3124e+00, 3.6822e-04, 9.7363e-02],  
[5.4059e+01, 4.9055e-01, 1.5389e+00],  
[2.0501e+00, 1.3910e-03, 1.2993e-01],  
[5.1269e-02, 1.3709e-07, 6.5889e-03],  
[2.7633e+00, 9.2010e-04, 2.8293e-01],  
[3.6099e+01, 1.3349e-01, 1.0552e+00],  
[5.2371e+00, 1.0611e-03, 2.4930e-01],  
[3.1897e-01, 1.0925e-04, 4.1537e-02],  
[1.4777e+00, 4.0719e-04, 9.2301e-02],  
[3.0214e+01, 1.1546e-01, 1.8578e+00],  
[1.4083e+02, 2.2175e+00, 4.5531e+00],  
[4.5502e+01, 2.2045e-01, 2.2489e+00],  
[5.3018e+01, 5.5582e-01, 2.8898e+00],  
[2.1624e-01, 4.7098e-05, 2.8584e-02],  
[4.6592e-01, 8.6448e-05, 4.2768e-02],  
[2.2523e+00, 2.0676e-04, 1.4514e-01],  
[2.3416e+01, 9.8601e-02, 2.0953e+00],  
[2.1565e+01, 2.8452e-01, 1.6993e+00],  
[1.0082e-02, 3.7552e-08, 1.5346e-03],  
[1.1569e+00, 6.6928e-05, 1.2270e-01],  
[4.3698e+00, 1.6317e-03, 2.7621e-01],  
[1.7605e-01, 1.2141e-05, 2.2914e-02],  
[3.9029e+01, 2.0261e-01, 2.3143e+00],  
[4.2563e+00, 2.5139e-02, 5.1508e-01],  
[1.6772e+01, 1.5788e-02, 7.9189e-01],  
[5.1248e+01, 2.2278e-01, 1.0185e+00],  
[3.2889e-02, 8.3827e-07, 4.9290e-03],  
[5.6969e+00, 7.0023e-03, 3.6797e-01],  
[7.1389e+00, 1.5083e-03, 3.5999e-01],  
[4.0007e+00, 2.5757e-03, 2.7016e-01],  
[1.3653e+00, 9.4573e-05, 1.2181e-01],  
[8.9925e+01, 5.7657e-01, 2.4400e+00],  
[4.2323e-01, 1.3799e-05, 4.3142e-02],  
[1.9713e+01, 1.5303e-02, 1.2302e+00],  
[2.6070e+01, 1.1426e-02, 7.5599e-01],

[6.5229e+01, 7.5393e-01, 2.5725e+00],  
[2.3133e+02, 6.6190e+00, 4.1757e+00],  
[3.6424e+00, 5.0539e-03, 2.8021e-01],  
[4.6321e-01, 2.9613e-05, 5.3347e-02],  
[2.2108e-01, 2.8343e-05, 2.4544e-02],  
[9.2972e+00, 3.4019e-02, 6.3571e-01],  
[4.9710e+00, 5.9444e-03, 3.8449e-01],  
[2.2963e+00, 7.3703e-04, 1.9634e-01],  
[3.1164e+01, 5.0135e-02, 1.4639e+00],  
[1.5394e+00, 3.5758e-03, 1.9170e-01],  
[4.2829e+00, 5.8868e-03, 2.3353e-01],  
[9.5875e-01, 9.6856e-05, 1.1136e-01],  
[3.6423e+00, 1.2613e-03, 2.9130e-01],  
[3.6975e+01, 6.7384e-01, 2.1244e+00],  
[6.3807e+01, 5.7588e-01, 2.9241e+00],  
[1.1078e+00, 1.8983e-04, 1.3685e-01],  
[4.9275e-03, 3.1911e-08, 7.6144e-04],  
[6.7004e+00, 1.1424e-02, 6.7597e-01],  
[1.2655e+02, 1.2214e+00, 4.6030e+00],  
[2.5361e-01, 4.7696e-05, 3.7089e-02],  
[4.9256e-01, 7.6173e-06, 6.3873e-02],  
[7.4172e-02, 1.2753e-06, 1.0198e-02],  
[4.8486e-02, 1.8372e-06, 6.7584e-03],  
[9.9669e-01, 1.0273e-04, 6.7339e-02],  
[1.1809e+01, 3.9939e-02, 5.6196e-01],  
[5.9213e-01, 3.7176e-04, 7.3039e-02],  
[3.8467e+01, 1.9184e-01, 9.3630e-01],  
[1.5799e+01, 1.0058e-01, 9.8985e-01],  
[1.7618e+02, 3.3412e+00, 4.3581e+00],  
[4.2568e-01, 5.4694e-05, 5.2453e-02],  
[2.2394e+00, 7.2933e-04, 1.5463e-01],  
[9.7503e+01, 2.5338e+00, 2.7163e+00],  
[2.2458e+01, 5.6137e-02, 8.9732e-01],  
[8.1680e+00, 3.0965e-03, 5.8061e-01],  
[8.4614e+00, 1.7420e-02, 4.3612e-01],  
[5.3161e+01, 4.6425e-01, 1.1823e+00],  
[8.7810e-01, 1.0786e-04, 6.1162e-02],  
[1.0138e+00, 2.8424e-04, 1.0811e-01],  
[4.6348e-02, 5.3250e-07, 6.4533e-03],  
[1.3193e+01, 3.0308e-02, 6.7509e-01],  
[8.3284e-01, 6.4256e-05, 1.0045e-01],  
[6.0095e+00, 1.6166e-03, 2.6549e-01],  
[3.4261e-01, 1.4525e-05, 3.0332e-02],  
[5.7230e-03, 6.8369e-09, 9.1952e-04],  
[2.7640e+00, 2.9012e-04, 1.4325e-01],  
[1.3358e+02, 4.9416e+00, 4.2098e+00],  
[8.1246e-01, 9.2964e-05, 9.1489e-02],  
[1.9371e+01, 4.1242e-02, 6.6676e-01],

[8.6807e+01, 9.0311e-01, 3.3295e+00],  
[7.3829e+01, 1.1063e+00, 1.5876e+00],  
[4.6315e-01, 3.8535e-05, 5.5956e-02],  
[3.2383e-01, 2.0539e-05, 2.8284e-02],  
[2.6823e-01, 1.4068e-05, 2.6494e-02],  
[1.0891e+00, 2.0368e-04, 1.2639e-01],  
[1.2638e+02, 4.0347e-01, 4.1894e+00],  
[1.2180e-01, 3.4713e-06, 1.8499e-02],  
[7.0152e+01, 4.3103e-01, 2.3886e+00],  
[1.6492e+02, 6.5324e+00, 4.6887e+00],  
[2.8595e+01, 2.7187e-01, 1.4583e+00],  
[1.6246e-01, 7.9163e-07, 1.7643e-02],  
[2.0637e-01, 8.3351e-05, 3.0296e-02],  
[2.6566e+00, 1.9897e-03, 2.2660e-01],  
[1.4956e-01, 2.1281e-06, 2.1370e-02],  
[2.5189e+01, 5.7048e-02, 6.5864e-01],  
[1.0988e+01, 6.0717e-03, 4.7869e-01],  
[4.0129e-01, 2.0204e-05, 5.1263e-02],  
[1.0081e+02, 3.6802e+00, 3.7461e+00],  
[1.0767e+01, 5.3346e-03, 7.5767e-01],  
[5.6588e+00, 4.0555e-03, 2.5670e-01],  
[4.6546e-01, 1.4746e-05, 5.0552e-02],  
[4.2885e+01, 2.9199e-01, 1.3736e+00],  
[6.0003e+00, 2.4189e-03, 4.3872e-01],  
[1.3481e+01, 2.8962e-02, 6.6547e-01],  
[4.6873e+00, 9.2323e-03, 3.7338e-01],  
[5.2450e-01, 4.9564e-05, 5.9773e-02],  
[5.9555e+01, 1.2784e+00, 2.7055e+00],  
[1.1559e+00, 3.1750e-04, 1.2324e-01],  
[1.4108e+02, 1.0646e+00, 3.3482e+00],  
[1.5359e+00, 2.1168e-04, 1.5429e-01],  
[1.9979e+00, 7.2687e-04, 2.7525e-01],  
[2.3655e+01, 7.4053e-02, 1.0054e+00],  
[7.2450e-01, 1.2594e-04, 9.1701e-02],  
[1.2663e+02, 2.0127e-01, 2.6346e+00],  
[2.0014e+00, 3.3254e-04, 2.3661e-01],  
[2.3653e-01, 8.0803e-06, 3.3496e-02],  
[1.4257e-02, 4.1000e-08, 2.1807e-03],  
[6.9430e+00, 3.7205e-02, 5.1039e-01],  
[1.0387e+02, 1.5637e+00, 4.0005e+00],  
[9.8789e-02, 1.3986e-06, 1.2352e-02],  
[3.8800e+01, 5.8087e-02, 9.6458e-01],  
[4.1334e-01, 3.1569e-05, 4.7435e-02],  
[5.5695e+00, 3.0049e-02, 5.0491e-01],  
[7.9640e-01, 3.5086e-04, 6.9034e-02],  
[6.3884e-01, 4.1174e-04, 7.7125e-02],  
[1.7122e+02, 4.8791e+00, 3.6564e+00],  
[2.1507e+02, 1.0166e+01, 4.3820e+00],

[1.0547e+01, 9.1638e-02, 7.7123e-01],  
[7.7574e-01, 6.4642e-05, 6.7119e-02],  
[1.1607e+01, 6.4214e-04, 5.3982e-01],  
[4.4841e+01, 5.3695e-01, 1.5084e+00],  
[2.1145e-01, 1.4912e-05, 2.6811e-02],  
[6.4990e-01, 2.5419e-05, 5.0411e-02],  
[1.1853e+01, 1.6028e-02, 4.6098e-01],  
[4.3523e+00, 2.1148e-03, 4.0419e-01],  
[6.9699e+00, 3.9738e-02, 7.6599e-01],  
[5.8508e+01, 5.8442e-02, 1.8990e+00],  
[3.3980e+00, 6.4424e-03, 4.4434e-01],  
[1.0114e-02, 1.2390e-08, 1.5242e-03],  
[1.0715e+01, 4.8066e-02, 7.5411e-01],  
[3.4624e+01, 1.3104e-01, 1.4319e+00],  
[6.1649e+01, 3.8332e-01, 2.0726e+00],  
[1.5633e-02, 2.4883e-07, 2.2941e-03],  
[5.6341e+01, 3.5700e-01, 1.5745e+00],  
[1.1627e-01, 1.1941e-06, 1.2960e-02],  
[3.0817e+01, 8.0586e-02, 9.2714e-01],  
[2.0092e+00, 2.4773e-04, 1.1625e-01],  
[2.0917e+01, 9.5044e-02, 1.7479e+00],  
[2.1906e+01, 1.3832e-01, 1.4557e+00],  
[6.4773e-02, 1.4396e-06, 9.3241e-03],  
[6.5650e-02, 3.9165e-06, 9.5435e-03],  
[4.8982e-02, 1.3636e-06, 6.5994e-03],  
[8.4061e+01, 1.8400e-01, 2.3942e+00],  
[1.3029e+01, 6.6971e-03, 6.2157e-01],  
[1.2035e-01, 3.6951e-06, 1.5450e-02],  
[6.1411e+01, 4.9761e-01, 1.7333e+00],  
[4.5677e+00, 3.8533e-03, 3.1904e-01],  
[1.5301e+02, 4.9841e+00, 3.8383e+00],  
[7.6889e+01, 2.3186e-01, 3.2022e+00],  
[1.5422e+00, 6.1554e-04, 1.6130e-01],  
[2.5856e+01, 2.5990e-01, 1.2966e+00],  
[9.5219e+00, 3.0809e-03, 5.7484e-01],  
[5.0813e+01, 9.4981e-02, 1.4578e+00],  
[6.0761e+01, 6.5559e-01, 1.9209e+00],  
[4.6738e-01, 4.6472e-05, 5.5964e-02],  
[6.0170e+00, 4.8033e-03, 4.7961e-01],  
[3.2847e+01, 3.6738e-02, 1.5469e+00],  
[5.4433e+01, 1.0256e-01, 1.4747e+00],  
[7.3698e-02, 5.7187e-07, 1.0802e-02],  
[2.3700e+01, 2.4937e-02, 7.6223e-01],  
[2.2521e+00, 1.5308e-03, 1.6658e-01],  
[7.8165e+00, 1.2294e-02, 7.4385e-01],  
[8.5290e+00, 1.8436e-02, 3.5879e-01],  
[1.2611e+00, 8.2716e-04, 1.2976e-01],  
[2.8266e-01, 1.7744e-05, 2.4921e-02],

[3.4263e+01, 2.0494e-01, 9.5920e-01],  
[9.5584e+01, 1.6633e+00, 2.5929e+00],  
[4.9346e-01, 1.7221e-05, 5.2263e-02],  
[3.1494e+00, 1.9972e-04, 1.4454e-01],  
[7.1660e+00, 1.2280e-02, 4.3567e-01],  
[1.0861e+02, 9.8000e-01, 2.1768e+00],  
[6.8846e-02, 1.0771e-06, 1.0456e-02],  
[9.3027e+01, 1.1086e+00, 3.0093e+00],  
[6.1425e+01, 7.5874e-01, 2.2802e+00],  
[4.7298e-02, 4.2306e-06, 7.2821e-03],  
[3.2647e+01, 7.1076e-02, 1.7622e+00],  
[4.3275e+00, 2.5084e-03, 3.9032e-01],  
[9.2069e+00, 1.6346e-02, 5.6031e-01],  
[2.5583e-03, 3.1044e-09, 4.1219e-04],  
[6.3795e-02, 1.4338e-06, 9.0977e-03],  
[1.6843e-01, 8.8938e-06, 2.1133e-02],  
[5.8970e+00, 4.6937e-03, 2.3642e-01],  
[4.1514e+01, 1.4880e-01, 1.8391e+00],  
[6.3907e+00, 1.2621e-02, 7.4365e-01],  
[8.2439e+01, 1.1025e+00, 1.5287e+00],  
[4.1093e+01, 2.6446e-01, 1.0760e+00],  
[6.4401e+00, 8.8002e-03, 4.7590e-01],  
[4.2116e+01, 1.8409e-01, 2.0914e+00],  
[1.0824e+00, 3.8273e-04, 9.4662e-02],  
[2.1300e-01, 1.6960e-05, 2.3191e-02],  
[2.1819e-01, 3.8929e-05, 2.3541e-02],  
[5.1138e-02, 1.0306e-06, 6.7232e-03],  
[3.6456e+01, 3.3119e-01, 1.5937e+00],  
[1.0486e+02, 8.3781e-01, 2.9282e+00],  
[2.0356e+01, 1.1310e-02, 7.0600e-01],  
[1.5566e+02, 2.5546e+00, 3.0728e+00],  
[3.9052e+01, 1.2929e-01, 1.8449e+00],  
[5.8534e+00, 1.4621e-03, 4.3851e-01],  
[7.6448e+01, 1.0417e+00, 3.8335e+00],  
[3.0661e+00, 1.8766e-03, 2.3770e-01],  
[5.0490e-01, 9.3853e-05, 4.8576e-02],  
[9.3431e+01, 2.8223e-01, 2.2304e+00],  
[4.2222e+01, 5.6045e-02, 1.0057e+00],  
[2.0235e-02, 6.4905e-08, 3.0956e-03],  
[2.6455e+00, 4.8825e-03, 3.2770e-01],  
[3.3133e+01, 4.3527e-02, 1.0451e+00],  
[3.0668e+00, 8.0197e-04, 1.6262e-01],  
[3.3644e+01, 1.4442e-01, 1.5393e+00],  
[4.3500e+01, 5.0167e-02, 1.4890e+00],  
[2.1594e+01, 4.0654e-02, 1.8703e+00],  
[4.5827e-01, 3.6544e-05, 5.9469e-02],  
[6.3878e+01, 2.8500e-01, 1.3814e+00],  
[6.9866e+01, 3.4192e-01, 1.3598e+00],

```

[1.0727e-01, 4.7486e-06, 1.4097e-02],
[2.9559e-02, 2.8480e-07, 4.0840e-03],
[9.4670e+00, 2.2940e-02, 5.7621e-01],
[3.0402e+01, 1.0212e-01, 2.0077e+00]], dtype=torch.float64)
Iteration: 249
Inputs: tensor([[2.2806e+20, 4.3603e+02, 4.8339e+00, 4.3926e+00],
[4.1090e+18, 4.8646e+02, 1.8095e+01, 4.4170e+00],
[3.7852e+20, 4.5812e+02, 1.9387e+01, 4.2659e+00],
...,
[6.6099e+20, 1.1161e+02, 1.4552e+00, 1.2358e+00],
[3.2145e+18, 1.4753e+02, 1.1521e+01, 9.1743e+00],
[5.3360e+18, 2.5817e+02, 1.2475e+01, 1.3285e+00]], dtype=torch.float64)
Target: tensor([[1.0345e+02, 4.8406e-01, 2.2997e+00],
[7.0535e-01, 1.2726e-04, 6.6493e-02],
[7.9263e+01, 8.3475e-01, 2.7812e+00],
[5.4245e-01, 7.4950e-05, 6.3584e-02],
[5.8159e+01, 1.0075e+00, 2.2799e+00],
[1.5668e+00, 6.6548e-04, 1.2916e-01],
[1.7874e+01, 5.6480e-02, 6.0523e-01],
[1.4070e+01, 6.4389e-02, 8.3146e-01],
[7.0989e+01, 1.2629e+00, 2.1620e+00],
[6.8684e+01, 5.7968e-02, 1.6087e+00],
[1.0796e-01, 5.1729e-07, 1.2327e-02],
[1.2701e+02, 4.5587e+00, 3.4459e+00],
[8.3915e+01, 6.0075e-01, 3.7590e+00],
[8.2141e-01, 7.8368e-05, 9.5424e-02],
[5.9031e-02, 1.2455e-06, 7.4819e-03],
[3.7107e+00, 5.7581e-03, 2.7733e-01],
[1.1841e+00, 3.7151e-04, 9.4706e-02],
[1.0018e+02, 3.4924e-01, 4.0197e+00],
[1.4740e-02, 5.0017e-08, 2.2819e-03],
[2.8072e+01, 1.4754e-01, 9.2708e-01],
[6.1113e+01, 7.8419e-01, 2.2214e+00],
[2.2870e+01, 2.5717e-02, 1.3842e+00],
[2.3586e+00, 1.8711e-03, 1.4133e-01],
[1.8844e+01, 5.1280e-02, 7.3862e-01],
[3.7569e+00, 2.0883e-03, 2.1453e-01],
[9.1503e+00, 1.5721e-02, 3.8537e-01],
[2.5357e+00, 2.9749e-03, 1.7529e-01],
[2.9364e-02, 8.1796e-07, 4.1118e-03],
[1.0687e+02, 2.0696e+00, 3.8962e+00],
[2.4589e-01, 8.9320e-06, 3.2920e-02],
[2.7458e+00, 4.6331e-03, 2.3582e-01],
[7.5330e+00, 4.1792e-02, 6.1408e-01],
[2.2675e+00, 3.2096e-04, 2.0777e-01],
[5.0119e+00, 8.3892e-03, 2.9107e-01],
[1.5432e-02, 1.5884e-07, 2.2774e-03],
[3.5228e+01, 2.0149e-01, 1.0061e+00],

```

[4.8852e+00, 2.5688e-04, 2.5143e-01],  
[4.0420e+01, 5.1750e-01, 1.4375e+00],  
[2.2194e+01, 5.3380e-02, 1.0430e+00],  
[4.0276e+01, 4.8068e-02, 1.3888e+00],  
[5.1191e+01, 4.5498e-01, 1.3309e+00],  
[2.2815e+01, 2.6072e-02, 1.7107e+00],  
[3.3155e+01, 3.4055e-02, 8.4504e-01],  
[2.9297e+01, 7.6280e-02, 1.5181e+00],  
[7.4677e+01, 7.7558e-01, 2.3130e+00],  
[2.0801e+00, 4.2403e-04, 2.0485e-01],  
[1.9001e+01, 7.6423e-02, 8.1557e-01],  
[1.3876e+01, 2.9066e-02, 5.5168e-01],  
[1.0100e+00, 2.1627e-04, 6.9169e-02],  
[2.7980e+01, 9.2361e-03, 1.1984e+00],  
[6.5176e-03, 7.9437e-08, 1.0396e-03],  
[6.0176e+00, 2.8469e-03, 4.8523e-01],  
[1.1377e+00, 5.4808e-04, 8.9293e-02],  
[7.6076e-02, 2.2924e-06, 1.0399e-02],  
[1.6762e+01, 6.5878e-03, 9.8532e-01],  
[9.9772e+01, 2.0086e-01, 3.7927e+00],  
[1.2558e+01, 3.5253e-02, 5.1454e-01],  
[4.6007e+00, 8.7167e-05, 2.8784e-01],  
[6.8006e+01, 2.1010e-01, 2.8008e+00],  
[3.4538e+00, 1.4795e-03, 2.5387e-01],  
[5.2299e+01, 1.1799e-01, 2.6088e+00],  
[2.2255e+01, 3.6975e-02, 1.3722e+00],  
[2.1379e+00, 2.7543e-04, 1.8598e-01],  
[2.3486e-01, 1.0121e-05, 3.5531e-02],  
[6.2582e+00, 1.3479e-02, 3.7111e-01],  
[1.2484e+01, 3.3635e-03, 7.3948e-01],  
[4.1271e+00, 9.2535e-04, 2.3366e-01],  
[1.8036e-03, 2.0499e-09, 2.9034e-04],  
[1.3894e+02, 3.6190e+00, 3.5567e+00],  
[2.4308e+01, 1.2811e-01, 1.1214e+00],  
[6.5169e-02, 1.6092e-06, 9.4213e-03],  
[1.1411e+02, 1.6137e+00, 2.3699e+00],  
[1.4558e-01, 1.5913e-05, 1.7800e-02],  
[3.3084e+00, 3.2081e-03, 2.2530e-01],  
[2.3788e+01, 6.8094e-02, 1.2935e+00],  
[2.4631e+01, 6.5204e-02, 1.1914e+00],  
[5.8144e+00, 4.4448e-03, 5.4929e-01],  
[2.1629e-02, 3.9588e-07, 3.0785e-03],  
[7.7564e-01, 1.6837e-04, 8.4905e-02],  
[9.9940e+01, 1.6815e+00, 2.7950e+00],  
[4.9111e+01, 9.2682e-01, 2.4372e+00],  
[2.6443e+01, 1.9392e-01, 1.1517e+00],  
[5.5694e+01, 8.3925e-01, 1.5973e+00],  
[8.6693e+01, 5.9278e-01, 3.1207e+00],

[1.4801e-01, 1.1361e-05, 1.7715e-02],  
[1.1415e+02, 2.0928e+00, 2.4585e+00],  
[3.5163e+00, 1.6662e-03, 2.7454e-01],  
[8.1981e+01, 1.1680e+00, 2.0159e+00],  
[4.2302e-01, 6.4858e-05, 5.3054e-02],  
[1.0011e+00, 4.3531e-04, 1.1642e-01],  
[8.3390e+00, 2.9618e-02, 6.1268e-01],  
[1.6275e-01, 4.2639e-06, 1.8347e-02],  
[9.6109e-01, 2.1714e-04, 8.7934e-02],  
[3.1380e+00, 6.0574e-03, 2.5894e-01],  
[3.8160e+01, 4.5036e-01, 1.5682e+00],  
[1.6409e-01, 7.8658e-06, 2.3665e-02],  
[6.1554e+01, 1.0891e-01, 2.1677e+00],  
[2.0779e+01, 4.7236e-02, 9.8477e-01],  
[3.7966e+00, 1.0015e-02, 3.0051e-01],  
[1.3728e+01, 2.7752e-02, 4.8996e-01],  
[1.9313e+00, 9.7151e-04, 2.5468e-01],  
[2.4948e+01, 2.4548e-01, 1.4648e+00],  
[9.1020e-02, 4.9720e-06, 1.0827e-02],  
[1.2109e+02, 9.7300e-01, 2.5727e+00],  
[3.6437e+01, 4.2072e-01, 1.1393e+00],  
[1.3217e+00, 6.1613e-04, 9.4296e-02],  
[1.2278e+01, 1.7732e-02, 6.6415e-01],  
[6.4186e-01, 9.7157e-05, 6.6846e-02],  
[5.6678e-01, 1.8039e-04, 6.3715e-02],  
[1.2823e+01, 9.0334e-02, 1.3047e+00],  
[1.2449e+00, 4.6464e-04, 8.1989e-02],  
[5.8132e+01, 7.1411e-01, 3.0586e+00],  
[2.3627e+02, 6.5254e+00, 4.2665e+00],  
[2.5135e+01, 4.0897e-02, 1.1673e+00],  
[4.1521e+01, 3.5428e-01, 1.1973e+00],  
[1.3207e+02, 2.4563e+00, 3.3633e+00],  
[1.0122e+01, 1.7256e-02, 8.4661e-01],  
[4.9884e+01, 1.3234e-01, 1.3884e+00],  
[8.9422e+00, 6.7756e-03, 5.7329e-01],  
[3.4811e-01, 1.1478e-05, 2.8099e-02],  
[1.0120e+02, 3.5103e-01, 4.0505e+00],  
[2.2378e+00, 1.6105e-03, 1.9965e-01],  
[2.1800e+01, 8.5499e-02, 8.9597e-01],  
[2.6272e+01, 5.6138e-02, 6.9238e-01],  
[2.2357e+01, 1.4418e-02, 7.6027e-01],  
[4.9940e+01, 4.2702e-01, 1.8931e+00],  
[3.4937e+00, 2.2836e-04, 1.9708e-01],  
[4.3814e-01, 6.7254e-05, 5.3812e-02],  
[5.4444e+01, 2.2652e-01, 1.6760e+00],  
[4.5641e+01, 3.5094e-01, 1.0839e+00],  
[5.1561e-01, 1.7299e-04, 5.7270e-02],  
[2.3321e+01, 1.8014e-02, 6.6600e-01],



[1.4170e+01, 1.1386e-02, 4.3053e-01],  
 [2.8747e+01, 1.8478e-01, 1.5713e+00],  
 [6.7019e+01, 3.6016e-01, 2.4640e+00],  
 [1.8499e+01, 2.1893e-02, 5.2370e-01],  
 [1.4914e-01, 9.1873e-06, 1.8190e-02],  
 [1.6016e+02, 5.4775e+00, 3.8590e+00],  
 [2.8020e+00, 2.6571e-04, 1.7197e-01],  
 [2.2701e-01, 2.2240e-05, 2.2928e-02],  
 [9.0533e+01, 6.4388e-01, 2.4613e+00],  
 [6.6460e+01, 1.9640e-01, 2.0985e+00],  
 [5.4283e-01, 3.8538e-05, 3.7515e-02],  
 [5.0841e+00, 1.9946e-03, 4.4367e-01],  
 [4.7468e+00, 5.2365e-03, 4.6844e-01],  
 [4.8812e-01, 1.0303e-05, 5.6381e-02],  
 [3.9034e+01, 5.5824e-01, 1.9512e+00],  
 [6.6675e+00, 4.4105e-03, 4.9637e-01],  
 [6.7537e-01, 1.8893e-04, 5.2617e-02],  
 [4.9335e-02, 2.1394e-06, 6.6592e-03],  
 [1.6843e+01, 7.2993e-03, 6.0795e-01],  
 [3.3818e-01, 2.3029e-06, 3.6084e-02],  
 [1.1096e+00, 2.4388e-05, 1.1339e-01],  
 [2.3157e+01, 2.8762e-01, 1.6459e+00],  
 [2.3082e-02, 2.7382e-07, 3.2973e-03],  
 [2.7610e+02, 7.9895e+00, 5.0324e+00],  
 [3.3174e+01, 2.1658e-01, 1.3841e+00],  
 [1.0186e+00, 1.4497e-04, 1.0705e-01],  
 [5.0925e+00, 7.4031e-03, 2.8330e-01],  
 [2.1408e+01, 1.5568e-01, 7.9994e-01],  
 [9.1440e+00, 1.0195e-02, 4.8148e-01],  
 [1.5171e+02, 5.0856e+00, 3.9602e+00],  
 [3.8265e+00, 2.5594e-03, 4.6329e-01],  
 [9.4443e+00, 1.7254e-03, 3.8357e-01],  
 [1.4073e+01, 5.8237e-02, 9.8397e-01],  
 [3.8666e-01, 8.4384e-05, 4.2960e-02],  
 [1.2738e+01, 2.2472e-02, 5.0446e-01],  
 [1.4180e+02, 2.2680e+00, 4.3179e+00],  
 [1.1992e+00, 3.9064e-05, 1.1104e-01],  
 [1.8780e+02, 5.2196e+00, 4.9087e+00],  
 [4.5876e-01, 5.7128e-05, 6.4821e-02],  
 [2.8889e+00, 5.3738e-04, 1.9130e-01],  
 [9.3842e+00, 1.6164e-02, 3.7212e-01],  
 [1.3764e+01, 5.4748e-02, 6.8513e-01],  
 [4.1272e-01, 3.7840e-05, 4.2055e-02],  
 [3.6949e+01, 6.1851e-02, 2.1034e+00],  
 [6.8563e-01, 1.4185e-04, 5.7059e-02],  
 [1.6928e+01, 1.7860e-02, 7.4255e-01],  
 [5.0637e-01, 7.4474e-05, 4.3279e-02],  
 [4.1381e-02, 5.9035e-07, 5.5403e-03],

[7.3043e-01, 2.8495e-04, 5.8433e-02],  
[2.0636e+01, 3.3761e-02, 1.1306e+00],  
[1.7647e-01, 6.9728e-06, 2.0988e-02],  
[2.0741e+01, 5.2346e-02, 6.6031e-01],  
[5.9197e+00, 1.3288e-02, 4.2922e-01],  
[1.0383e+02, 9.7714e-01, 3.4305e+00],  
[7.9354e+00, 3.5489e-03, 3.9047e-01],  
[8.7863e+00, 4.6885e-02, 9.5016e-01],  
[2.3121e+01, 7.7195e-02, 1.9465e+00],  
[1.0899e+00, 8.0681e-04, 1.2876e-01],  
[1.8225e+01, 4.3075e-02, 8.2218e-01],  
[9.7435e+00, 1.7321e-02, 9.1586e-01],  
[4.5044e+01, 5.2547e-01, 1.8359e+00],  
[2.1293e+01, 2.8476e-02, 1.2010e+00],  
[2.4666e+01, 6.6892e-02, 1.5828e+00],  
[5.1650e-03, 4.2442e-09, 8.1630e-04],  
[3.9861e-01, 2.9880e-04, 5.5006e-02],  
[3.4837e+01, 2.7103e-01, 1.5500e+00],  
[1.2349e-01, 3.7006e-06, 1.5337e-02],  
[2.0518e+00, 3.4795e-04, 1.0315e-01],  
[6.8591e-03, 2.1105e-08, 1.1011e-03],  
[1.1403e+00, 3.0596e-04, 1.0943e-01],  
[4.5481e+01, 3.7894e-01, 2.9885e+00],  
[8.2843e+01, 1.6629e+00, 1.9292e+00],  
[4.5220e+01, 6.7914e-01, 2.1871e+00],  
[8.3536e-01, 4.9719e-05, 9.2185e-02],  
[1.5215e+00, 1.1611e-04, 9.7766e-02],  
[1.6471e-01, 2.4823e-05, 2.1705e-02],  
[6.2806e+00, 1.1999e-02, 4.1977e-01],  
[1.1100e+02, 8.1174e-01, 2.4736e+00],  
[1.3030e+00, 6.6480e-04, 1.1965e-01],  
[2.4603e+01, 2.5111e-01, 1.4376e+00],  
[2.8142e+01, 3.0525e-01, 1.2111e+00],  
[5.1802e-01, 5.9939e-05, 4.1628e-02],  
[1.5892e-02, 4.0044e-07, 2.3985e-03],  
[7.8179e+01, 4.4596e-01, 2.7355e+00],  
[1.1567e-01, 8.8243e-06, 1.2798e-02],  
[9.0118e+01, 6.4537e-02, 3.5823e+00],  
[3.5276e+01, 1.1675e-01, 1.2090e+00],  
[3.5318e+00, 5.7420e-03, 2.6589e-01],  
[8.5920e-01, 2.5075e-04, 6.9562e-02],  
[2.3447e+01, 5.9375e-02, 1.1580e+00],  
[4.5722e+01, 3.8414e-01, 2.2425e+00],  
[2.9897e-01, 3.3334e-05, 4.0703e-02],  
[2.0838e-01, 1.7439e-05, 2.0154e-02],  
[1.2190e-02, 4.5542e-08, 1.9058e-03],  
[1.0882e+00, 4.0594e-05, 1.1513e-01],  
[7.3046e-01, 9.8757e-06, 5.8774e-02],

[9.9909e-01, 6.3024e-05, 7.0027e-02],  
[1.3690e+00, 1.0361e-03, 1.2471e-01],  
[3.2796e-01, 1.9486e-05, 3.9157e-02],  
[2.0943e+01, 3.5404e-02, 7.4796e-01],  
[6.4131e+01, 6.2054e-02, 1.2310e+00],  
[2.2587e+01, 3.7124e-02, 9.6393e-01],  
[3.6197e-01, 3.3378e-05, 4.3716e-02],  
[7.3698e+01, 5.1015e-01, 2.3635e+00],  
[9.9668e+00, 3.0317e-02, 4.6212e-01],  
[2.8746e+01, 1.3142e-01, 1.1851e+00],  
[4.1339e+01, 1.5021e-02, 1.5703e+00],  
[6.9626e-02, 4.1030e-06, 1.0657e-02],  
[5.0871e+00, 2.8180e-03, 2.8648e-01],  
[2.9374e+00, 1.3762e-03, 1.7666e-01],  
[5.9591e-03, 3.0948e-09, 9.1627e-04],  
[2.0608e+01, 3.0321e-02, 5.5831e-01],  
[1.9425e-01, 1.3566e-05, 2.8783e-02],  
[3.4703e+01, 1.9514e-01, 1.1537e+00],  
[4.0597e+01, 3.7049e-01, 1.4813e+00],  
[1.3224e+01, 8.2909e-03, 6.7881e-01],  
[2.0828e-03, 2.2751e-10, 3.3113e-04],  
[7.7145e+00, 6.2448e-03, 3.5582e-01],  
[1.2521e+00, 1.0264e-03, 1.5813e-01],  
[1.7817e+00, 1.2284e-03, 1.6807e-01],  
[2.4990e+01, 2.4565e-02, 8.1372e-01],  
[4.8299e-02, 2.4131e-06, 7.1857e-03],  
[2.1707e+00, 3.8425e-03, 2.1223e-01],  
[1.3354e+02, 5.2833e+00, 3.3409e+00],  
[1.0625e+01, 3.4677e-02, 6.3734e-01],  
[4.0494e+00, 1.3065e-03, 2.8544e-01],  
[1.2877e-01, 2.9265e-06, 1.7911e-02],  
[1.9565e-01, 1.0966e-05, 2.2731e-02],  
[8.7578e+01, 1.2302e+00, 2.0348e+00],  
[4.8530e+00, 1.0571e-02, 3.0803e-01],  
[6.0975e+00, 1.6136e-02, 5.7340e-01],  
[1.3146e+02, 1.0931e+00, 3.6721e+00],  
[8.4351e+00, 1.3043e-02, 5.7153e-01],  
[6.0450e-02, 3.5343e-06, 8.5838e-03],  
[4.5819e-02, 9.8128e-08, 6.1128e-03],  
[6.5280e+01, 2.6720e-01, 2.5221e+00],  
[3.1076e-01, 3.6475e-05, 3.1246e-02],  
[5.5204e-01, 5.8108e-05, 4.8988e-02],  
[1.5329e+01, 5.6271e-02, 7.0296e-01],  
[2.0595e+01, 6.3901e-02, 5.9214e-01],  
[2.5884e+01, 2.5520e-01, 1.3327e+00],  
[4.6321e-02, 1.5192e-06, 6.5598e-03],  
[7.4324e-03, 1.4837e-08, 1.1577e-03],  
[5.5227e+01, 9.3218e-01, 1.5023e+00],

```

[2.9045e+00, 2.5731e-03, 2.0707e-01],
[7.8727e+01, 1.5676e+00, 2.8486e+00],
[1.2818e+01, 2.4505e-02, 1.1660e+00],
[2.3684e+00, 1.8988e-03, 1.5586e-01],
[5.1809e-01, 5.2274e-05, 3.7108e-02],
[1.2218e+02, 3.4235e+00, 3.4731e+00],
[1.3833e+02, 8.9401e-01, 2.6974e+00],
[1.0021e+00, 2.6257e-04, 1.0261e-01],
[2.2915e-02, 2.5543e-07, 3.2799e-03],
[3.6468e-01, 1.1599e-05, 3.9462e-02],
[5.4680e-01, 1.6699e-05, 6.5876e-02],
[6.0580e+00, 7.6611e-03, 4.4054e-01],
[3.7875e-01, 2.2306e-05, 3.7175e-02],
[2.6316e+01, 9.4336e-02, 8.0216e-01],
[2.1064e-01, 2.4895e-05, 2.3574e-02],
[1.1774e+00, 2.2022e-04, 6.8524e-02],
[1.7954e+01, 2.0811e-02, 1.0114e+00],
[9.6414e+01, 1.5650e+00, 2.4641e+00],
[1.3484e+02, 4.3577e-01, 2.5138e+00],
[3.8824e+01, 2.5108e-01, 2.5520e+00],
[2.3001e+02, 5.5672e+00, 3.7956e+00],
[7.3811e-01, 1.2068e-04, 6.0279e-02],
[1.4395e-01, 2.1853e-05, 2.0073e-02],
[5.9269e-02, 3.2696e-07, 8.3489e-03],
[2.2478e+01, 4.9865e-02, 9.3099e-01],
[8.8011e-03, 2.0042e-08, 1.3731e-03],
[3.3618e+01, 2.6295e-01, 1.0819e+00],
[4.5287e-01, 2.9395e-05, 3.9196e-02],
[2.0911e-01, 7.6483e-06, 2.3599e-02],
[3.3434e-01, 7.1182e-05, 3.9158e-02],
[3.4617e+00, 3.6036e-03, 3.1869e-01],
[8.6176e+01, 4.1088e-01, 3.4422e+00],
[4.2965e+01, 1.8071e-01, 1.5178e+00],
[3.5735e-02, 1.0223e-06, 5.0716e-03],
[8.9135e-02, 7.3456e-07, 1.1543e-02],
[5.2086e+00, 3.9668e-04, 3.1802e-01],
[1.9427e-03, 2.2068e-10, 3.0883e-04],
[1.5410e+00, 5.5964e-04, 1.1803e-01],
[2.9154e+01, 1.3093e-01, 9.8593e-01],
[7.3685e+01, 1.9730e-01, 2.7800e+00],
[6.4395e+01, 1.3864e-01, 1.5088e+00],
[7.8253e+01, 3.1636e-02, 3.4489e+00],
[2.4903e-01, 4.4071e-05, 2.8991e-02],
[1.0079e-01, 1.0462e-06, 1.4053e-02]], dtype=torch.float64)
Iteration: 250
Inputs: tensor([[9.0863e+19, 1.3919e+02, 1.8926e+01, 6.7925e+00],
[1.0648e+18, 4.3135e+02, 2.7554e+00, 3.5024e+00],
[9.9528e+19, 9.0923e+01, 5.8179e+00, 9.9061e+00],

```

```

...,
[4.7665e+19, 3.0272e+02, 1.3297e+01, 8.6591e+00],
[8.0404e+18, 3.2546e+02, 1.7127e+01, 2.8555e+00],
[1.5473e+18, 4.7212e+02, 6.8129e+00, 8.5218e+00]], dtype=torch.float64)
Target: tensor([[1.1629e+01, 6.4383e-02, 8.2336e-01],
[3.4622e-01, 5.3664e-06, 2.7882e-02],
[2.0176e+01, 1.3110e-01, 1.0937e+00],
[3.4169e-01, 5.4345e-05, 3.2620e-02],
[4.4328e-02, 1.4694e-06, 6.6861e-03],
[2.3890e+01, 1.0131e-01, 1.5138e+00],
[4.6105e+00, 1.4594e-03, 2.4372e-01],
[3.4672e+00, 1.0449e-02, 3.2736e-01],
[9.1352e+01, 1.4514e+00, 2.0771e+00],
[7.1805e+00, 2.9389e-03, 2.4557e-01],
[5.6436e+01, 2.8887e-02, 1.3560e+00],
[2.4110e+01, 1.0583e-01, 7.8060e-01],
[1.6429e+01, 1.4059e-02, 6.9440e-01],
[3.5164e-01, 2.6477e-05, 3.5065e-02],
[1.6718e+00, 3.8589e-05, 1.2960e-01],
[2.0141e+01, 8.1188e-02, 1.2110e+00],
[1.8814e+02, 3.7750e+00, 4.6940e+00],
[8.5060e+00, 1.1476e-02, 4.3435e-01],
[1.5023e+02, 2.0671e+00, 2.9938e+00],
[6.1918e+00, 1.8246e-02, 4.4496e-01],
[4.1746e-01, 1.8474e-05, 3.4078e-02],
[1.9508e-01, 1.8222e-05, 1.9565e-02],
[1.3432e+02, 1.5336e+00, 3.3981e+00],
[1.3663e+01, 2.1889e-02, 4.9471e-01],
[4.3509e-01, 5.7422e-05, 4.2488e-02],
[4.1279e-01, 2.1537e-05, 5.5884e-02],
[3.8896e+01, 2.9490e-01, 1.6155e+00],
[4.2198e-01, 1.4886e-04, 5.1551e-02],
[4.3765e+01, 3.0220e-01, 1.3399e+00],
[2.0297e+01, 5.7483e-02, 5.5245e-01],
[4.4598e-01, 1.8083e-05, 3.1652e-02],
[2.0753e-01, 3.2737e-05, 2.9978e-02],
[1.0066e+00, 2.8805e-04, 9.0137e-02],
[1.1750e+02, 4.5938e-01, 3.2052e+00],
[1.5307e+01, 2.7719e-02, 6.3559e-01],
[1.5394e+02, 4.3316e+00, 4.5144e+00],
[1.4959e+02, 3.1158e+00, 2.4788e+00],
[2.1029e+00, 1.7335e-03, 2.2478e-01],
[2.3342e+01, 7.4723e-02, 1.6454e+00],
[3.0134e-01, 5.9444e-05, 3.7044e-02],
[2.9781e-01, 9.7092e-06, 3.7270e-02],
[3.2501e+01, 1.3611e-01, 8.7611e-01],
[1.3244e+01, 2.3526e-02, 7.2101e-01],
[1.0377e+02, 8.2205e-01, 2.6699e+00],

```

[2.2006e-03, 6.9206e-10, 3.5015e-04],  
[1.6537e+02, 3.3830e+00, 2.6553e+00],  
[1.9014e+01, 1.4366e-01, 1.7629e+00],  
[1.1191e+01, 9.3276e-03, 3.5119e-01],  
[1.6318e-01, 1.4526e-05, 1.9139e-02],  
[2.6097e+00, 5.0526e-04, 2.4548e-01],  
[3.3149e+00, 4.7278e-03, 2.9548e-01],  
[7.0807e+00, 1.9156e-02, 8.1186e-01],  
[1.5543e+00, 6.4747e-04, 1.4320e-01],  
[7.7177e+01, 1.0381e+00, 3.3389e+00],  
[8.8002e+01, 2.4474e-01, 1.7723e+00],  
[3.3329e+01, 2.5094e-01, 1.0896e+00],  
[2.0129e-02, 5.9405e-07, 2.8708e-03],  
[7.1597e-01, 5.9402e-05, 6.4991e-02],  
[4.6111e-01, 9.8746e-05, 5.9167e-02],  
[7.3319e+01, 8.5413e-01, 1.7936e+00],  
[1.4561e+00, 2.1673e-04, 1.3724e-01],  
[4.0412e-04, 1.4696e-10, 6.6201e-05],  
[1.3733e+02, 4.9701e-01, 4.6422e+00],  
[1.2442e+01, 2.7026e-02, 6.0697e-01],  
[1.9953e+00, 8.3136e-04, 1.3780e-01],  
[2.1729e+00, 5.6271e-04, 2.5142e-01],  
[1.4429e+01, 3.1692e-02, 6.5403e-01],  
[1.9479e+01, 8.7480e-03, 8.0196e-01],  
[8.7792e+01, 9.2680e-01, 2.6532e+00],  
[4.6413e-01, 5.1210e-06, 3.8495e-02],  
[3.2884e+01, 1.9751e-01, 2.6006e+00],  
[2.0343e+00, 1.4624e-04, 1.8808e-01],  
[1.7095e+02, 2.5323e+00, 4.8131e+00],  
[2.3515e-01, 1.7621e-05, 2.6904e-02],  
[5.6641e+00, 1.0290e-02, 5.4893e-01],  
[1.1566e+02, 1.2788e-01, 3.6135e+00],  
[1.2462e+02, 3.7826e+00, 2.9693e+00],  
[7.6293e+01, 9.0127e-02, 2.4977e+00],  
[3.0900e+01, 1.5715e-01, 1.3040e+00],  
[2.3566e+01, 6.6090e-02, 1.2236e+00],  
[5.9659e+00, 3.3427e-03, 5.4242e-01],  
[1.7441e+00, 1.1960e-03, 2.0479e-01],  
[1.2468e+01, 6.2845e-03, 6.9858e-01],  
[1.5954e+01, 1.8304e-02, 7.6153e-01],  
[3.0325e-02, 3.5214e-07, 4.2693e-03],  
[1.5647e+01, 5.6737e-02, 8.0268e-01],  
[1.1726e+01, 7.1481e-03, 5.3641e-01],  
[1.4516e+00, 1.0236e-03, 1.2774e-01],  
[2.8503e-01, 2.9651e-05, 2.8161e-02],  
[1.4536e-01, 5.0956e-06, 1.6682e-02],  
[2.1472e+01, 7.9096e-02, 8.2758e-01],  
[9.8802e+00, 1.0225e-03, 3.8283e-01],

[1.1105e+00, 3.7369e-04, 9.0364e-02],  
[1.5138e-02, 8.7552e-08, 2.2934e-03],  
[4.4832e+01, 1.2144e-01, 9.1427e-01],  
[5.4643e+01, 1.1555e-01, 1.7493e+00],  
[4.2317e+01, 1.8351e-01, 1.9914e+00],  
[3.6906e+00, 1.5073e-03, 2.4353e-01],  
[6.5990e-02, 1.3032e-07, 8.7161e-03],  
[1.9555e-01, 8.5428e-06, 2.0549e-02],  
[5.6220e+01, 2.3200e-01, 1.8295e+00],  
[2.0239e+02, 7.0006e+00, 4.7185e+00],  
[2.8573e+01, 1.0234e-01, 1.6718e+00],  
[6.7306e-01, 1.3856e-04, 9.0657e-02],  
[1.0144e+01, 2.9905e-02, 6.2820e-01],  
[1.8471e+01, 5.4791e-02, 1.5193e+00],  
[1.0718e+02, 2.1452e+00, 2.4173e+00],  
[3.4318e+00, 5.2991e-03, 2.9768e-01],  
[1.4599e+02, 3.0865e+00, 2.8918e+00],  
[5.8150e+01, 1.0247e-01, 1.4398e+00],  
[1.5058e+02, 4.3633e-01, 2.7473e+00],  
[6.6762e+00, 1.3671e-02, 3.7875e-01],  
[1.0310e-01, 1.3631e-05, 1.3588e-02],  
[1.0142e+01, 3.8633e-03, 5.8431e-01],  
[2.5060e+01, 2.3501e-02, 1.4132e+00],  
[3.9976e+01, 2.0457e-01, 1.7846e+00],  
[1.2146e+00, 7.5935e-05, 1.0522e-01],  
[3.9194e+00, 3.8816e-03, 3.5763e-01],  
[3.0216e+02, 1.0478e+01, 4.4291e+00],  
[1.5418e+01, 5.6622e-03, 7.4087e-01],  
[5.3597e-01, 9.6471e-05, 4.7215e-02],  
[8.7398e+00, 1.1313e-02, 4.1657e-01],  
[1.1055e+00, 1.5368e-04, 7.8105e-02],  
[2.3026e+02, 5.5929e+00, 5.0237e+00],  
[3.6772e+01, 3.9008e-01, 2.4642e+00],  
[6.5798e+00, 6.5209e-03, 2.4995e-01],  
[1.3144e+00, 5.4948e-05, 1.1164e-01],  
[1.4506e-01, 7.7506e-06, 1.8727e-02],  
[3.2859e+00, 5.6818e-03, 2.5829e-01],  
[9.0157e-01, 3.6145e-04, 8.9988e-02],  
[3.4758e-02, 9.6580e-07, 4.8583e-03],  
[4.8159e+00, 5.9741e-03, 4.2143e-01],  
[1.0409e+02, 1.3317e+00, 3.3061e+00],  
[1.5383e+01, 3.1255e-02, 6.9370e-01],  
[7.5494e-01, 1.9649e-04, 7.2446e-02],  
[9.6141e+01, 9.1304e-01, 1.9407e+00],  
[9.1077e+00, 3.0636e-03, 7.4736e-01],  
[1.1759e+01, 3.0316e-02, 5.0647e-01],  
[1.0774e+01, 2.5538e-02, 5.2922e-01],  
[6.2298e+01, 7.4867e-01, 2.6303e+00],

[1.8705e+01, 7.1703e-02, 7.2181e-01],  
[7.6072e-01, 4.7980e-05, 8.2903e-02],  
[1.6454e+00, 2.2195e-04, 1.2458e-01],  
[6.4111e+01, 5.8200e-02, 2.0042e+00],  
[1.8767e+01, 6.7542e-02, 1.0721e+00],  
[3.3298e+00, 2.3372e-03, 2.6802e-01],  
[4.6030e-01, 4.3741e-05, 4.5301e-02],  
[2.2596e+01, 2.9387e-02, 7.7532e-01],  
[5.0444e+01, 3.9262e-01, 2.3605e+00],  
[3.4822e+01, 3.4505e-01, 2.0845e+00],  
[1.8773e-01, 2.3316e-06, 1.9576e-02],  
[1.0282e+01, 8.4193e-03, 4.0046e-01],  
[3.6029e+00, 3.5479e-03, 4.2590e-01],  
[3.4191e-01, 3.1802e-05, 3.1814e-02],  
[3.2641e+01, 1.3788e-01, 2.5416e+00],  
[3.0448e+00, 1.2342e-03, 1.9668e-01],  
[7.2923e-01, 1.0743e-03, 9.5574e-02],  
[4.1177e+01, 5.4422e-01, 1.3872e+00],  
[1.1897e+02, 3.5241e-01, 4.4673e+00],  
[4.0485e-01, 3.4028e-05, 3.6847e-02],  
[2.1032e-01, 1.4950e-05, 2.4327e-02],  
[2.3779e+02, 6.5407e+00, 4.6369e+00],  
[2.3709e+01, 5.1267e-02, 1.0457e+00],  
[8.4981e+01, 6.6787e-01, 1.7179e+00],  
[9.0788e-01, 3.1897e-04, 1.1050e-01],  
[4.2445e+01, 1.5954e-01, 1.4180e+00],  
[3.8385e+00, 5.3311e-03, 2.6998e-01],  
[1.6307e-01, 9.1752e-06, 2.0101e-02],  
[7.1646e+01, 7.1543e-02, 3.5627e+00],  
[9.7685e-01, 1.5355e-04, 1.0675e-01],  
[4.6529e+00, 1.3233e-02, 4.1888e-01],  
[4.3087e-04, 2.4760e-11, 7.0776e-05],  
[1.9755e+02, 4.2865e+00, 4.7040e+00],  
[2.4856e+01, 1.6045e-01, 8.3545e-01],  
[1.6447e+00, 5.1626e-04, 1.0337e-01],  
[7.5425e+01, 2.9814e-01, 2.9008e+00],  
[1.4481e+02, 1.6568e+00, 3.7710e+00],  
[1.1908e+01, 5.8144e-02, 7.1657e-01],  
[1.6623e+01, 5.0668e-02, 1.2676e+00],  
[2.3384e-01, 1.6875e-05, 2.9312e-02],  
[1.6303e-02, 6.4501e-08, 2.5629e-03],  
[1.0359e+00, 1.5935e-04, 8.5644e-02],  
[1.1228e+02, 1.6293e+00, 2.9578e+00],  
[7.2287e+01, 4.7736e-01, 3.1126e+00],  
[2.5678e+00, 1.2897e-03, 2.1704e-01],  
[3.2531e-02, 6.1644e-07, 4.4676e-03],  
[7.4159e+00, 4.8055e-02, 7.7979e-01],  
[1.7780e+02, 7.6264e+00, 4.5538e+00],



[3.1330e+01, 6.8809e-02, 1.6476e+00],  
[2.0710e+01, 1.3957e-02, 1.5034e+00],  
[8.6344e+01, 1.2715e+00, 1.8188e+00],  
[2.2458e+01, 1.2822e-01, 1.1304e+00],  
[1.3471e-01, 5.1128e-06, 1.9118e-02],  
[1.1007e+01, 5.1359e-02, 7.2031e-01],  
[3.0585e+00, 2.1348e-03, 1.5909e-01],  
[4.5610e-01, 3.8832e-05, 3.3857e-02],  
[1.1067e+02, 6.4718e-01, 3.8402e+00],  
[1.9251e-01, 2.1395e-05, 2.2677e-02],  
[2.8821e+00, 6.8631e-04, 2.1551e-01],  
[7.7392e+00, 3.5568e-03, 5.6915e-01],  
[1.8956e+02, 6.8568e+00, 4.3911e+00],  
[6.7057e+01, 6.7747e-01, 2.6393e+00],  
[4.5986e-01, 1.2860e-05, 3.4823e-02],  
[8.5776e+00, 4.8153e-02, 5.7169e-01],  
[5.7545e+00, 1.0191e-02, 4.5041e-01],  
[4.9618e+01, 4.9627e-01, 1.4315e+00],  
[5.9390e+01, 1.0333e+00, 1.5367e+00],  
[2.0116e+00, 8.6987e-04, 1.3376e-01],  
[5.3921e+00, 1.6589e-03, 3.3972e-01],  
[5.9657e+01, 3.1287e-01, 1.3450e+00],  
[2.2334e-02, 1.0833e-07, 3.2706e-03],  
[2.0942e+01, 3.6146e-02, 1.6605e+00],  
[1.3361e-01, 2.5966e-05, 2.0166e-02],  
[1.3463e+00, 1.4935e-03, 1.3817e-01],  
[1.5289e+00, 6.1905e-04, 1.4582e-01],  
[8.3122e+00, 1.5578e-02, 6.5796e-01],  
[2.4240e+01, 2.4053e-02, 1.8612e+00],  
[5.2182e-01, 2.8571e-06, 5.4114e-02],  
[3.5304e-02, 7.3191e-07, 5.1355e-03],  
[2.5038e+01, 1.9735e-02, 5.9855e-01],  
[1.8321e-01, 6.3464e-06, 2.4983e-02],  
[1.3807e+02, 1.8815e+00, 3.0721e+00],  
[2.3766e+01, 3.3051e-02, 1.5908e+00],  
[6.4796e+00, 2.0004e-03, 3.6914e-01],  
[4.5897e-01, 4.7343e-05, 4.4761e-02],  
[1.2635e+02, 4.5232e+00, 4.4910e+00],  
[1.7797e+01, 8.0837e-03, 9.4365e-01],  
[1.8114e+02, 5.0087e+00, 4.4904e+00],  
[2.0699e+02, 6.0773e+00, 4.0325e+00],  
[5.0826e+01, 7.7867e-01, 2.3189e+00],  
[2.0651e-01, 1.3157e-05, 2.6221e-02],  
[4.7831e-01, 7.9597e-05, 4.5768e-02],  
[1.0106e+02, 1.5440e+00, 3.6561e+00],  
[1.6617e+00, 2.5511e-05, 1.2502e-01],  
[1.4432e+00, 2.8641e-04, 1.1116e-01],  
[1.9925e+01, 4.5421e-02, 1.0357e+00],

[2.1546e+01, 2.0082e-02, 1.9173e+00],  
[5.7440e+01, 1.2034e+00, 1.9037e+00],  
[3.5860e+00, 8.9605e-04, 4.2902e-01],  
[2.8123e+01, 9.9116e-02, 9.0249e-01],  
[1.4398e+01, 1.8128e-02, 4.4415e-01],  
[9.0830e+00, 6.1630e-03, 4.3416e-01],  
[2.1477e-01, 3.1107e-05, 2.8855e-02],  
[2.0493e-02, 9.9397e-08, 3.0738e-03],  
[1.2578e+01, 4.0715e-02, 7.0647e-01],  
[1.7327e+01, 1.1869e-01, 8.3244e-01],  
[1.9609e+02, 4.1731e+00, 4.6781e+00],  
[9.9980e-02, 4.5192e-06, 1.2285e-02],  
[4.8576e+01, 4.6236e-01, 1.9852e+00],  
[1.1197e-01, 2.1612e-05, 1.6760e-02],  
[5.9000e+01, 1.1861e-01, 1.8533e+00],  
[2.5303e+00, 2.2381e-03, 2.2895e-01],  
[1.3349e-02, 1.0547e-07, 1.9822e-03],  
[8.7149e+01, 1.1448e+00, 3.8922e+00],  
[5.1612e+01, 1.0375e-01, 1.1250e+00],  
[7.1735e-01, 9.5127e-05, 6.4827e-02],  
[1.9266e+02, 7.3446e+00, 3.9176e+00],  
[2.7159e+00, 1.6217e-03, 2.1018e-01],  
[4.3408e-01, 7.3319e-05, 3.7824e-02],  
[2.8294e-01, 1.5729e-05, 2.6699e-02],  
[1.2026e+02, 8.1495e-01, 3.4094e+00],  
[2.4889e-01, 1.9647e-05, 2.7997e-02],  
[2.7573e+00, 6.9392e-04, 1.4523e-01],  
[2.0864e+02, 3.8954e+00, 3.9998e+00],  
[7.5957e-02, 1.4993e-06, 1.0945e-02],  
[3.2992e+01, 2.1254e-01, 1.0967e+00],  
[5.3426e-01, 2.7956e-05, 3.8005e-02],  
[1.9375e+01, 6.4584e-02, 1.4818e+00],  
[5.0799e+01, 3.8129e-01, 1.1903e+00],  
[6.3574e+01, 1.0199e+00, 2.0499e+00],  
[5.3486e+01, 2.6237e-01, 2.0623e+00],  
[5.1524e+01, 1.0006e-01, 1.9534e+00],  
[2.4772e+01, 3.4598e-01, 1.4489e+00],  
[1.9656e+01, 8.4427e-02, 7.8282e-01],  
[1.4657e+00, 1.0714e-03, 1.1282e-01],  
[4.1251e+01, 2.8715e-01, 1.3091e+00],  
[3.0956e+00, 2.6137e-03, 2.2255e-01],  
[5.1532e+01, 3.2437e-01, 1.7018e+00],  
[1.8053e+01, 1.2012e-01, 6.9560e-01],  
[1.1689e+01, 8.1230e-03, 4.1783e-01],  
[3.4005e+01, 1.1333e-01, 7.9467e-01],  
[8.3406e-01, 1.0780e-05, 9.5179e-02],  
[8.6753e-01, 2.4332e-04, 1.2790e-01],  
[2.9240e-02, 1.8594e-07, 4.2806e-03],

```

[5.0433e+01, 9.6398e-01, 2.5835e+00],
[1.3240e+01, 3.8783e-02, 1.3318e+00],
[2.6626e+01, 1.8248e-01, 8.2400e-01],
[3.7259e+00, 1.1987e-03, 2.0158e-01],
[1.4768e+01, 8.5188e-03, 8.1335e-01],
[3.8137e+01, 1.7713e-01, 1.4413e+00],
[1.8357e-01, 2.3799e-05, 2.3378e-02],
[3.4275e+01, 3.0385e-02, 1.0726e+00],
[6.2158e+00, 9.1765e-03, 3.1688e-01],
[7.7990e+00, 3.3904e-02, 5.1988e-01],
[2.2027e+00, 9.6101e-04, 1.7248e-01],
[3.0321e+00, 2.7727e-03, 3.6445e-01],
[1.4081e+00, 3.7029e-04, 1.3407e-01],
[1.0376e+02, 9.9484e-01, 2.7341e+00],
[7.7647e-02, 6.1941e-06, 1.0144e-02],
[2.0948e-01, 1.2130e-06, 2.4698e-02],
[2.7568e-01, 1.1443e-05, 2.9936e-02],
[6.7061e-01, 5.3289e-05, 6.7502e-02],
[1.0276e+02, 2.6061e+00, 3.7765e+00],
[1.9076e+01, 9.5577e-03, 5.6494e-01],
[3.6451e-01, 1.2677e-04, 4.8274e-02],
[8.6834e-04, 7.7713e-11, 1.4071e-04],
[5.6490e-01, 1.5694e-04, 6.1288e-02],
[4.7400e+01, 3.9685e-01, 1.2738e+00],
[4.6527e+00, 2.0538e-03, 2.7091e-01],
[4.7003e-02, 5.1121e-07, 6.1380e-03],
[7.5965e+01, 2.8208e-01, 3.4662e+00],
[1.7853e+01, 4.4834e-02, 1.6514e+00],
[3.2858e+01, 2.4722e-02, 1.7586e+00],
[3.8768e+00, 4.6340e-03, 2.5935e-01],
[1.3040e+01, 1.1683e-02, 6.0222e-01],
[1.8006e+02, 5.9798e+00, 4.5516e+00],
[1.2223e-02, 6.7473e-08, 1.8092e-03],
[2.1505e+01, 1.3471e-01, 8.3498e-01],
[6.2699e-01, 8.2514e-05, 6.9806e-02],
[6.6284e-01, 9.7010e-05, 4.6501e-02]], dtype=torch.float64)
Iteration: 251
Inputs: tensor([[7.7923e+18, 4.3226e+02, 3.5861e+00, 9.6327e+00],
[1.9708e+19, 3.6761e+02, 1.0933e+00, 4.0993e+00],
[2.6736e+18, 3.9656e+02, 9.3212e+00, 7.2750e+00],
...,
[2.7009e+18, 4.7588e+02, 3.7874e+00, 4.9059e+00],
[7.0511e+19, 2.7534e+02, 7.0270e+00, 1.5726e+00],
[1.5396e+20, 3.4778e+01, 1.1135e+01, 9.3765e+00]]), dtype=torch.float64)
Target: tensor([[6.3306e+00, 5.5579e-03, 2.5039e-01],
[1.6487e+01, 6.3967e-03, 5.1071e-01],
[8.6039e-01, 1.7003e-04, 6.6296e-02],
[5.4112e+01, 3.8146e-01, 1.7415e+00],

```

[3.5861e+01, 2.4519e-01, 1.2077e+00],  
[6.8719e-02, 1.2178e-06, 1.0183e-02],  
[5.4127e+01, 3.0614e-01, 1.5286e+00],  
[2.0436e-01, 1.2609e-05, 2.7593e-02],  
[1.6839e-02, 1.8981e-07, 2.5865e-03],  
[2.2971e+01, 6.2745e-02, 1.6639e+00],  
[2.2625e-03, 3.1801e-09, 3.5795e-04],  
[5.5434e+00, 6.0451e-03, 5.3686e-01],  
[2.6389e+01, 1.6572e-01, 2.2003e+00],  
[2.0905e-01, 2.9443e-05, 2.6311e-02],  
[1.6354e+00, 8.0387e-04, 1.1742e-01],  
[5.2403e+01, 4.8515e-02, 1.8884e+00],  
[1.2475e+01, 1.4187e-01, 1.0903e+00],  
[5.6938e+00, 4.2563e-03, 3.1414e-01],  
[1.6563e+02, 9.4340e-01, 4.0322e+00],  
[2.3685e+01, 5.6421e-02, 1.2017e+00],  
[2.8076e+01, 2.4999e-01, 1.7588e+00],  
[4.3141e+00, 2.2182e-03, 3.2725e-01],  
[2.0420e+01, 1.2252e-01, 7.6016e-01],  
[7.6061e+00, 1.5728e-02, 4.1207e-01],  
[4.7019e-01, 3.4152e-05, 4.5619e-02],  
[2.0358e+00, 1.7603e-04, 1.9402e-01],  
[2.3805e+01, 1.3029e-01, 1.1608e+00],  
[4.2237e+01, 1.2719e-01, 2.8207e+00],  
[3.0474e+02, 1.0339e+01, 5.0755e+00],  
[1.8080e+00, 5.2887e-04, 9.4300e-02],  
[5.6229e-03, 2.0303e-08, 8.7432e-04],  
[3.5044e+00, 3.8030e-03, 2.9881e-01],  
[1.8427e+01, 4.4531e-02, 1.1945e+00],  
[5.4750e+00, 7.2528e-03, 3.4329e-01],  
[1.1573e+02, 1.7227e+00, 2.3472e+00],  
[2.7630e-01, 5.9165e-06, 2.9216e-02],  
[6.9593e+00, 2.8659e-02, 6.0002e-01],  
[2.8728e+01, 3.9383e-02, 1.9780e+00],  
[2.5239e+00, 7.5868e-04, 1.1066e-01],  
[6.6616e+00, 2.6039e-03, 4.9128e-01],  
[3.5135e+01, 1.3107e-01, 9.3867e-01],  
[7.9939e+01, 1.3105e-01, 2.3685e+00],  
[1.5837e+01, 4.3680e-02, 9.6831e-01],  
[1.3774e+00, 2.0397e-04, 7.6836e-02],  
[1.4453e+01, 4.0341e-03, 5.1975e-01],  
[1.3632e+01, 7.6450e-02, 7.4692e-01],  
[7.1165e+01, 8.3427e-01, 2.2437e+00],  
[1.6681e+02, 8.5275e+00, 3.9180e+00],  
[8.8091e-02, 3.3372e-06, 1.0721e-02],  
[2.1480e+02, 5.6113e+00, 4.3282e+00],  
[2.5958e+01, 2.1087e-01, 8.9865e-01],  
[1.0847e+02, 4.1016e+00, 3.7511e+00],

[2.4961e+01, 6.6267e-02, 1.0868e+00],  
[1.0668e+01, 4.8378e-02, 8.1328e-01],  
[1.1076e+01, 1.9414e-02, 6.4576e-01],  
[1.8542e+01, 8.1033e-02, 7.9724e-01],  
[4.7820e+00, 3.5220e-03, 3.4827e-01],  
[2.4983e+01, 3.2063e-02, 8.1865e-01],  
[3.7564e+01, 2.6529e-01, 1.2898e+00],  
[6.4750e+00, 7.1488e-04, 3.9909e-01],  
[4.6150e+00, 1.1414e-03, 3.8026e-01],  
[1.0504e+02, 1.2465e+00, 2.3924e+00],  
[5.9548e-01, 6.5585e-05, 6.6090e-02],  
[8.8430e-01, 4.1196e-04, 7.5533e-02],  
[2.1380e-02, 1.2038e-07, 3.2425e-03],  
[2.0864e-01, 1.8887e-05, 2.4783e-02],  
[4.1610e+00, 1.7104e-04, 2.5609e-01],  
[2.7623e+01, 1.0399e-01, 8.8437e-01],  
[2.2255e+01, 1.3529e-01, 1.0524e+00],  
[6.1196e-02, 2.2609e-07, 7.8148e-03],  
[2.7223e+01, 1.3567e-02, 1.7106e+00],  
[3.4239e-01, 3.9357e-05, 4.7137e-02],  
[8.6216e-02, 2.8469e-06, 1.0662e-02],  
[2.8106e-02, 4.9056e-07, 4.2384e-03],  
[7.4205e+00, 2.0507e-03, 4.8775e-01],  
[1.3802e+02, 4.6473e+00, 3.4446e+00],  
[3.5544e+00, 1.0460e-03, 2.0951e-01],  
[1.4535e+00, 5.5794e-04, 1.5319e-01],  
[2.1150e-02, 8.3747e-08, 3.1610e-03],  
[2.8267e+00, 1.0444e-03, 2.4487e-01],  
[3.2497e-01, 3.2541e-05, 4.4298e-02],  
[1.4948e+01, 1.3901e-02, 9.3200e-01],  
[1.7699e+01, 3.6240e-03, 9.9482e-01],  
[1.4666e+01, 2.3440e-02, 1.1217e+00],  
[6.2221e-01, 1.7655e-05, 5.8353e-02],  
[4.5163e+01, 8.2825e-03, 1.2404e+00],  
[5.8693e+01, 8.8231e-01, 1.8673e+00],  
[1.0347e-01, 1.5118e-05, 1.4887e-02],  
[1.0809e+00, 4.0181e-04, 7.7581e-02],  
[2.9500e-02, 1.4449e-07, 4.4996e-03],  
[4.8483e+01, 1.4473e-01, 1.6614e+00],  
[6.6817e+00, 8.8936e-03, 5.0879e-01],  
[6.9964e-01, 8.1702e-05, 7.1259e-02],  
[1.7813e+00, 1.1899e-04, 1.1727e-01],  
[1.5291e+00, 2.0232e-04, 8.9099e-02],  
[1.0650e+01, 3.1741e-02, 8.8543e-01],  
[6.0553e+01, 9.4868e-02, 1.7354e+00],  
[6.4436e+01, 1.2873e+00, 2.9171e+00],  
[7.8481e-02, 4.2058e-06, 1.1682e-02],  
[1.4779e+00, 2.6586e-04, 9.2765e-02],

[1.5997e+01, 1.8524e-01, 1.3321e+00],  
[4.3770e+01, 2.5093e-02, 2.0886e+00],  
[1.2362e-02, 1.4174e-07, 1.8229e-03],  
[5.3217e+00, 1.4980e-03, 4.7006e-01],  
[5.5030e+01, 6.8697e-02, 2.3621e+00],  
[3.0165e+01, 2.4008e-01, 1.1561e+00],  
[9.4689e+00, 4.9109e-04, 3.6540e-01],  
[1.4400e-02, 1.3916e-07, 2.1177e-03],  
[8.9800e+01, 1.9029e+00, 2.6212e+00],  
[2.0417e+00, 3.9493e-04, 1.2730e-01],  
[1.2820e-01, 2.8345e-06, 1.4791e-02],  
[7.1097e+00, 2.8702e-03, 3.0732e-01],  
[1.2552e+00, 6.9350e-04, 1.1530e-01],  
[3.9166e-01, 7.0691e-05, 4.2541e-02],  
[6.8685e+00, 5.4372e-03, 3.5632e-01],  
[1.6321e-01, 1.1867e-05, 2.0778e-02],  
[1.3353e+00, 3.4794e-05, 1.1526e-01],  
[6.9683e+01, 3.2705e-01, 1.6306e+00],  
[1.5568e-01, 2.6984e-06, 1.9259e-02],  
[5.5510e+01, 1.0427e-01, 1.8509e+00],  
[4.6453e-02, 1.6621e-07, 6.6695e-03],  
[2.2365e+00, 4.6355e-04, 1.7866e-01],  
[2.9564e+01, 5.9649e-02, 9.0411e-01],  
[1.0558e-03, 3.8315e-10, 1.7325e-04],  
[4.1552e-01, 4.6843e-06, 3.8381e-02],  
[1.0330e+01, 1.3310e-02, 5.0693e-01],  
[3.2364e+01, 1.6265e-01, 9.2622e-01],  
[2.4696e+01, 3.5334e-02, 1.3780e+00],  
[4.1569e-01, 7.3808e-05, 5.8516e-02],  
[3.4333e-01, 7.3398e-05, 3.3248e-02],  
[3.5474e+00, 1.3654e-02, 4.3648e-01],  
[3.4167e+00, 3.3908e-03, 2.0620e-01],  
[8.2744e+01, 7.3229e-01, 3.0305e+00],  
[4.4097e-01, 7.5821e-05, 4.4781e-02],  
[1.2200e+02, 1.9739e+00, 3.5025e+00],  
[2.7308e+00, 9.5369e-04, 1.6596e-01],  
[9.1584e-02, 8.0557e-07, 1.1782e-02],  
[4.6112e-03, 1.7536e-08, 7.2037e-04],  
[4.2054e-01, 9.2079e-05, 4.4504e-02],  
[1.5605e+02, 6.5763e+00, 4.3885e+00],  
[6.1353e-01, 6.2193e-05, 5.7900e-02],  
[1.2425e-02, 4.1127e-08, 1.9145e-03],  
[7.6493e-03, 7.4999e-09, 1.1990e-03],  
[2.3449e-01, 7.8247e-06, 2.7469e-02],  
[1.9709e-01, 1.3570e-05, 1.9641e-02],  
[2.8365e-02, 4.2250e-07, 4.3664e-03],  
[8.9714e-01, 1.0381e-04, 7.1589e-02],  
[1.5634e+00, 6.6782e-04, 1.1233e-01],

[1.2507e+02, 1.5647e+00, 4.1679e+00],  
[9.4094e+01, 1.3282e+00, 2.6545e+00],  
[3.9126e-01, 2.2576e-05, 5.6539e-02],  
[4.8826e+01, 9.2515e-02, 1.8840e+00],  
[4.4396e-04, 4.9387e-11, 7.2363e-05],  
[3.4010e-02, 1.9382e-07, 5.2484e-03],  
[6.6811e+01, 3.8750e-01, 2.2752e+00],  
[3.2782e+01, 7.1001e-02, 1.1390e+00],  
[4.8544e+01, 8.0000e-01, 1.4099e+00],  
[4.6795e-01, 1.5457e-04, 6.1401e-02],  
[2.3416e-01, 2.2391e-05, 2.5486e-02],  
[3.7906e+01, 1.0840e-01, 1.0742e+00],  
[2.4107e-01, 3.2743e-05, 3.6167e-02],  
[3.9684e+00, 3.1825e-03, 2.8952e-01],  
[4.4645e+01, 8.4784e-02, 2.7764e+00],  
[6.5146e+00, 5.0335e-03, 5.9377e-01],  
[2.7876e-02, 1.1126e-06, 3.8681e-03],  
[3.0097e+00, 6.7958e-03, 3.2601e-01],  
[1.5447e+00, 1.9337e-04, 1.0534e-01],  
[1.1570e-01, 2.3701e-05, 1.7017e-02],  
[1.4199e+01, 3.0179e-02, 1.2215e+00],  
[2.2554e-02, 2.6873e-08, 3.2950e-03],  
[2.6711e+01, 1.4313e-01, 1.1774e+00],  
[2.2905e+01, 2.9126e-02, 8.4862e-01],  
[1.7745e+01, 1.2758e-01, 1.2282e+00],  
[9.0179e-02, 6.8694e-06, 1.2868e-02],  
[2.0168e+01, 3.3184e-02, 8.1065e-01],  
[5.1885e+00, 3.4638e-03, 4.3059e-01],  
[1.3146e+01, 7.3285e-02, 7.2021e-01],  
[2.9129e+00, 1.3804e-03, 2.0690e-01],  
[1.5720e+00, 5.1947e-04, 1.1575e-01],  
[5.9290e-02, 2.6162e-06, 8.6194e-03],  
[4.9995e+00, 5.1609e-03, 2.7849e-01],  
[8.5106e+01, 1.3884e+00, 1.7778e+00],  
[5.7512e+00, 4.2061e-03, 2.3520e-01],  
[7.9917e+01, 7.0646e-01, 3.1726e+00],  
[1.6273e+02, 1.7832e+00, 3.0254e+00],  
[3.9355e+00, 1.2667e-03, 2.2011e-01],  
[5.6359e+00, 8.1460e-03, 3.5277e-01],  
[1.6161e-02, 2.1907e-07, 2.4194e-03],  
[3.6575e-01, 3.8534e-06, 3.2355e-02],  
[3.2912e+00, 3.4863e-03, 2.1674e-01],  
[3.3624e+01, 2.8149e-01, 1.0159e+00],  
[9.6202e+00, 2.2680e-02, 5.0385e-01],  
[9.2635e+00, 8.1498e-03, 7.2877e-01],  
[3.3385e-01, 3.8662e-05, 4.1704e-02],  
[3.1062e+01, 2.5956e-02, 7.1445e-01],  
[2.4639e-01, 1.5245e-05, 2.9723e-02],

[5.8405e-01, 2.9535e-05, 7.2189e-02],  
[1.0290e+00, 2.3945e-04, 1.1333e-01],  
[1.6461e-01, 2.3180e-06, 1.7999e-02],  
[2.6171e+01, 4.1654e-02, 8.7175e-01],  
[7.4593e+00, 1.6462e-02, 6.2547e-01],  
[8.0225e+01, 1.6285e+00, 2.2417e+00],  
[4.1780e+00, 5.2272e-03, 2.3977e-01],  
[5.6580e-03, 5.5193e-09, 8.9865e-04],  
[1.4086e+02, 3.0164e+00, 4.1730e+00],  
[1.0086e+01, 1.9632e-02, 4.1594e-01],  
[4.4254e-01, 2.6787e-05, 4.5004e-02],  
[2.0047e+01, 3.2158e-02, 1.3725e+00],  
[9.3426e+00, 2.7157e-02, 4.2839e-01],  
[4.7337e-01, 4.2268e-05, 3.3687e-02],  
[1.4283e+01, 2.6420e-02, 8.0252e-01],  
[2.2234e+00, 2.8408e-03, 1.7761e-01],  
[9.4697e+01, 6.5821e-02, 3.3934e+00],  
[1.0868e+00, 5.1762e-04, 1.3552e-01],  
[5.1618e-01, 7.0001e-05, 6.2937e-02],  
[1.3290e-01, 3.8373e-06, 1.4677e-02],  
[4.7628e+00, 8.9433e-04, 3.4790e-01],  
[7.1360e+00, 1.0930e-02, 4.6977e-01],  
[3.9765e+00, 3.3295e-03, 3.2209e-01],  
[4.4858e-02, 2.5338e-07, 6.6591e-03],  
[1.2698e+02, 4.5697e+00, 4.5553e+00],  
[3.0316e-01, 1.0235e-05, 2.9497e-02],  
[6.8461e+00, 1.0712e-02, 3.3792e-01],  
[1.6603e+01, 9.9560e-02, 8.3807e-01],  
[1.4600e+02, 1.9276e+00, 3.8144e+00],  
[5.6731e-03, 2.6343e-09, 8.8919e-04],  
[2.3829e+01, 1.6445e-02, 7.4286e-01],  
[1.5736e+00, 1.7365e-04, 1.5478e-01],  
[8.3608e+01, 3.7511e-01, 3.8511e+00],  
[1.5590e+01, 9.4708e-02, 8.9304e-01],  
[2.4569e+01, 1.9859e-01, 8.7579e-01],  
[1.0163e-01, 4.9282e-06, 1.4560e-02],  
[1.7232e+02, 2.2309e+00, 4.7284e+00],  
[9.7386e-02, 1.2555e-06, 1.1780e-02],  
[2.0413e+00, 9.7058e-04, 1.7025e-01],  
[7.0361e-01, 1.2015e-04, 5.8449e-02],  
[1.5783e+01, 1.5521e-02, 1.1603e+00],  
[5.7953e+00, 7.1733e-03, 3.6075e-01],  
[3.3216e+00, 8.9287e-04, 1.4767e-01],  
[2.1658e+01, 2.1807e-02, 7.7559e-01],  
[5.3365e+01, 2.0377e-01, 1.8081e+00],  
[2.6060e+01, 1.2361e-01, 1.5102e+00],  
[7.9953e-01, 8.1127e-05, 9.2718e-02],  
[1.5038e+01, 1.3285e-01, 9.3646e-01],



[1.3585e+02, 4.2757e+00, 3.2644e+00],  
[1.1136e+00, 1.4507e-04, 7.9863e-02],  
[7.7600e+00, 5.6511e-03, 6.8008e-01],  
[1.4717e+01, 3.1153e-02, 8.7687e-01],  
[4.5875e+00, 2.5350e-03, 2.1536e-01],  
[2.7572e+01, 2.5833e-01, 2.1418e+00],  
[8.0139e-01, 2.4498e-04, 7.2903e-02],  
[6.3089e-02, 3.9341e-06, 8.4203e-03],  
[6.7459e+00, 1.0813e-02, 3.8665e-01],  
[2.2988e+00, 5.6101e-04, 1.4172e-01],  
[8.3078e+01, 3.5966e-01, 3.2174e+00],  
[3.9984e-01, 3.0951e-05, 4.7030e-02],  
[7.9431e+00, 7.5963e-03, 8.7952e-01],  
[3.5239e-01, 2.6727e-05, 3.7838e-02],  
[4.1045e+01, 4.5719e-01, 1.2775e+00],  
[2.0679e+00, 7.8821e-05, 1.6601e-01],  
[4.6468e-02, 4.2964e-07, 6.4725e-03],  
[2.0299e+02, 3.0229e-01, 3.7052e+00],  
[1.4715e-02, 1.7326e-08, 2.2305e-03],  
[7.1495e-02, 1.0059e-06, 9.2038e-03],  
[1.9170e+01, 4.0065e-02, 9.5556e-01],  
[1.0620e+02, 1.8772e+00, 3.7900e+00],  
[1.8249e-01, 8.2683e-06, 2.1535e-02],  
[1.3039e+02, 2.2751e+00, 4.1433e+00],  
[9.6571e-01, 7.3988e-04, 1.1164e-01],  
[3.5391e-01, 1.0049e-06, 2.9714e-02],  
[8.6865e+01, 2.5529e-01, 2.3376e+00],  
[1.1212e+02, 4.8434e-02, 3.1962e+00],  
[5.2250e+00, 3.8667e-03, 2.7725e-01],  
[3.6114e-02, 3.3950e-08, 4.9115e-03],  
[5.6100e-01, 8.9388e-05, 5.8199e-02],  
[1.1902e-01, 6.2954e-06, 1.7026e-02],  
[5.8367e-01, 1.6999e-04, 7.3038e-02],  
[2.3990e+02, 6.8451e+00, 4.7902e+00],  
[6.8491e-01, 2.4040e-04, 6.0217e-02],  
[2.7705e+02, 8.1260e+00, 4.8378e+00],  
[8.1084e-01, 2.2425e-04, 7.8480e-02],  
[1.0455e+02, 1.0193e+00, 3.7426e+00],  
[1.1723e-01, 1.4657e-05, 1.5184e-02],  
[4.7989e-01, 5.4543e-05, 4.1669e-02],  
[7.2139e+01, 2.8758e-01, 1.4414e+00],  
[1.4240e+00, 2.8441e-04, 1.0414e-01],  
[6.3832e-02, 3.2683e-07, 8.5786e-03],  
[1.3038e+02, 5.1257e+00, 4.3362e+00],  
[8.9990e+01, 8.9584e-01, 1.8217e+00],  
[4.2186e+01, 1.2161e-01, 2.5315e+00],  
[3.1213e-02, 1.6581e-06, 4.6750e-03],  
[2.6591e+01, 1.5038e-01, 1.9692e+00],

```

[1.8168e+01, 3.9230e-02, 6.7324e-01],
[1.4723e+00, 4.1074e-04, 8.4783e-02],
[5.6125e-01, 9.3198e-05, 8.1430e-02],
[1.6126e+00, 1.2813e-04, 1.2661e-01],
[6.6077e+00, 3.0111e-02, 6.5445e-01],
[6.1638e+01, 1.4825e-01, 2.1673e+00],
[9.7851e+01, 1.9089e-01, 2.7441e+00],
[2.1293e-01, 1.5422e-05, 2.7811e-02],
[8.8577e+00, 3.0102e-02, 6.5257e-01],
[2.0611e+00, 3.9553e-04, 1.4628e-01],
[3.3152e+00, 2.1872e-03, 2.0523e-01],
[1.0171e+01, 8.6354e-02, 1.0232e+00],
[1.2234e+00, 3.0011e-04, 1.1657e-01],
[1.4376e+02, 3.8195e+00, 3.6147e+00],
[1.7964e-01, 8.6393e-06, 2.0354e-02],
[9.3314e+01, 2.2567e-01, 3.4826e+00],
[3.6441e+01, 2.0941e-01, 1.6927e+00],
[1.6830e-01, 4.5823e-07, 2.2340e-02],
[2.1867e-01, 2.4763e-05, 2.6722e-02],
[4.3173e+01, 2.0549e-01, 2.4349e+00],
[4.5635e+00, 3.6601e-04, 2.9622e-01],
[7.0614e+00, 1.0774e-02, 4.1231e-01],
[7.6187e-01, 2.5472e-04, 9.8002e-02],
[9.5992e+00, 2.1615e-02, 6.2286e-01],
[2.0010e+01, 1.1774e-01, 1.3979e+00],
[1.4643e+00, 1.2925e-04, 8.7315e-02],
[1.3762e+01, 5.8790e-03, 8.2921e-01],
[5.4000e+00, 2.6211e-02, 5.5950e-01]], dtype=torch.float64)
Iteration: 252
Inputs: tensor([[2.7460e+19, 7.7431e+01, 1.1285e+00, 7.5158e+00],
[2.2098e+18, 2.7757e+02, 3.9102e+00, 4.7090e+00],
[2.6034e+20, 3.6372e+02, 1.0723e+01, 6.7517e+00],
...,
[3.6008e+19, 2.7210e+02, 1.6081e+01, 4.8380e+00],
[3.2304e+18, 1.7967e+02, 2.1689e+00, 5.4696e+00],
[3.4175e+18, 4.3418e+02, 1.6351e+00, 8.7078e+00]], dtype=torch.float64)
Target: tensor([[6.0482e+00, 5.6008e-03, 4.1462e-01],
[5.3273e-01, 2.6181e-05, 4.6500e-02],
[8.8644e+01, 1.0970e+00, 2.4053e+00],
[1.0710e+01, 2.5065e-02, 4.6286e-01],
[1.0285e+01, 1.4122e-02, 4.7936e-01],
[1.2222e-01, 1.2339e-06, 1.5109e-02],
[1.3340e+01, 7.9257e-03, 5.5918e-01],
[1.4202e+00, 1.3654e-03, 1.7998e-01],
[9.4400e+00, 2.4468e-02, 4.3787e-01],
[4.6309e+01, 1.1547e-01, 1.1190e+00],
[5.1846e-01, 6.7129e-05, 5.0080e-02],
[4.4438e-02, 2.6408e-07, 6.2098e-03],

```

[6.9173e+00, 5.4612e-03, 3.7926e-01],  
[1.3321e+02, 4.5302e+00, 4.0148e+00],  
[2.2260e+01, 1.7698e-02, 6.4818e-01],  
[1.8976e+01, 1.8634e-01, 1.2574e+00],  
[1.6798e+02, 2.1956e+00, 3.3642e+00],  
[2.3001e+01, 2.6426e-02, 1.0006e+00],  
[3.5927e+01, 2.6829e-01, 2.6255e+00],  
[4.5877e+01, 3.3364e-02, 2.4961e+00],  
[1.7284e+01, 1.6455e-01, 1.6062e+00],  
[5.8133e+00, 2.4399e-03, 2.9533e-01],  
[3.2805e+00, 2.2165e-03, 1.9570e-01],  
[2.7730e+01, 2.1340e-01, 2.1231e+00],  
[1.1220e-01, 8.5396e-06, 1.2879e-02],  
[1.1912e+00, 1.7411e-04, 8.8203e-02],  
[2.5921e+00, 8.2445e-04, 1.6905e-01],  
[2.7620e+01, 2.5464e-01, 1.8063e+00],  
[9.2004e+01, 2.4661e-01, 3.2260e+00],  
[4.7956e-01, 6.0438e-05, 6.1698e-02],  
[7.7944e-02, 3.6592e-06, 1.0044e-02],  
[2.3100e+01, 7.4091e-02, 7.6870e-01],  
[2.2445e-02, 1.6642e-07, 3.3843e-03],  
[5.9388e-02, 4.3140e-07, 8.0140e-03],  
[5.2502e-02, 4.3850e-07, 6.8355e-03],  
[2.1152e-01, 1.1665e-05, 2.8595e-02],  
[7.5960e-01, 6.2033e-05, 9.3541e-02],  
[2.8736e-01, 3.5381e-05, 3.1405e-02],  
[7.9378e+00, 5.0150e-03, 3.5795e-01],  
[6.3148e+01, 6.4623e-01, 1.7292e+00],  
[2.2057e+02, 3.3687e+00, 4.5898e+00],  
[1.2291e+00, 9.6464e-05, 9.7755e-02],  
[2.1358e+01, 5.6989e-02, 1.2745e+00],  
[3.1395e+00, 2.9909e-03, 1.9260e-01],  
[7.4369e+01, 1.1660e+00, 3.1151e+00],  
[4.9153e+00, 4.3528e-03, 2.4439e-01],  
[2.6958e+01, 5.6855e-02, 2.0809e+00],  
[3.5862e+01, 5.2583e-02, 1.6967e+00],  
[3.2783e-02, 1.4319e-06, 4.8426e-03],  
[2.4779e+00, 2.2233e-03, 2.2015e-01],  
[2.1163e+00, 1.2420e-03, 2.3763e-01],  
[6.2215e+01, 9.9830e-01, 1.8056e+00],  
[3.4019e-02, 9.3540e-07, 4.7595e-03],  
[4.3605e+01, 5.9453e-02, 2.7629e+00],  
[1.8594e+01, 1.0171e-02, 1.4346e+00],  
[8.0074e-01, 2.6118e-05, 9.5407e-02],  
[3.2788e-01, 3.7169e-05, 3.5680e-02],  
[2.2891e+01, 4.8239e-02, 7.9007e-01],  
[1.2302e-01, 7.2723e-06, 1.4269e-02],  
[3.8770e-01, 1.1841e-04, 3.9286e-02],

[1.1196e+01, 1.5143e-02, 1.1020e+00],  
 [2.4246e-01, 2.7774e-05, 2.2671e-02],  
 [4.0817e+01, 5.3631e-01, 1.4276e+00],  
 [1.1851e+00, 2.6593e-04, 7.1799e-02],  
 [1.3478e+00, 2.3162e-04, 1.4758e-01],  
 [6.7426e+00, 2.4852e-03, 3.9125e-01],  
 [3.6171e+00, 1.3365e-03, 3.1003e-01],  
 [2.1855e+02, 7.8281e+00, 4.0938e+00],  
 [1.1755e+01, 1.5035e-02, 5.2548e-01],  
 [1.0510e+01, 7.5894e-03, 5.8947e-01],  
 [5.7245e+00, 6.2178e-03, 4.0402e-01],  
 [4.5351e+01, 7.2679e-01, 2.2866e+00],  
 [3.3600e+00, 2.9140e-03, 2.2805e-01],  
 [1.8020e+01, 8.4829e-03, 8.3141e-01],  
 [1.3146e+00, 6.9025e-04, 1.0589e-01],  
 [7.9659e+01, 4.3344e-01, 2.9523e+00],  
 [1.0530e+02, 1.1115e+00, 1.8476e+00],  
 [2.5330e+01, 2.3823e-01, 1.5820e+00],  
 [2.1075e+01, 2.4652e-02, 1.6328e+00],  
 [3.8591e+01, 1.8165e-01, 1.4881e+00],  
 [1.0081e+02, 2.9377e+00, 2.3847e+00],  
 [3.1587e+01, 2.4599e-01, 1.0007e+00],  
 [4.0716e+00, 3.0225e-03, 4.1214e-01],  
 [2.6481e-01, 6.4935e-06, 2.9406e-02],  
 [2.2911e-01, 2.1512e-06, 2.4285e-02],  
 [3.3179e+00, 1.6251e-03, 1.5239e-01],  
 [3.5324e+00, 3.9922e-03, 2.1141e-01],  
 [9.8927e+00, 1.0651e-02, 9.0629e-01],  
 [3.2613e+00, 1.3077e-03, 1.9997e-01],  
 [7.0032e+01, 1.2013e+00, 2.2100e+00],  
 [7.9018e-02, 3.9471e-06, 9.6665e-03],  
 [5.1592e+01, 2.3796e-01, 1.4216e+00],  
 [2.9815e+01, 1.0436e-01, 7.8678e-01],  
 [1.2303e+02, 3.5916e+00, 4.1780e+00],  
 [1.0462e+02, 9.9659e-01, 2.0752e+00],  
 [5.5999e+01, 8.7090e-01, 1.8182e+00],  
 [1.7273e+02, 7.4408e+00, 3.8648e+00],  
 [4.8787e+01, 3.7087e-01, 1.2494e+00],  
 [1.3673e-01, 3.5175e-06, 1.5741e-02],  
 [4.4714e+01, 5.3667e-01, 1.3728e+00],  
 [1.3308e+02, 1.7083e+00, 3.3996e+00],  
 [1.1419e+00, 1.7370e-04, 1.3045e-01],  
 [3.4949e+02, 4.8690e+00, 5.0454e+00],  
 [2.7098e+02, 2.0006e-01, 4.9856e+00],  
 [2.7958e-02, 8.0054e-08, 3.9627e-03],  
 [5.8315e+00, 2.1890e-03, 2.6307e-01],  
 [1.1457e+00, 9.0914e-05, 7.1135e-02],  
 [3.3562e-01, 2.9833e-05, 2.7893e-02],

[5.5965e+01, 3.4359e-01, 1.2811e+00],  
[2.2773e+00, 1.0097e-03, 3.0644e-01],  
[8.3083e+01, 1.3154e+00, 2.1992e+00],  
[1.3502e+01, 6.4035e-03, 1.3323e+00],  
[2.2051e-01, 8.7489e-05, 3.1791e-02],  
[1.3325e+01, 2.3384e-02, 8.7093e-01],  
[5.9562e-02, 1.1809e-06, 7.9273e-03],  
[1.1574e+00, 5.3664e-04, 8.9944e-02],  
[8.5433e+01, 1.7261e-01, 2.3506e+00],  
[2.4799e-02, 2.1529e-07, 3.5853e-03],  
[5.2064e+00, 2.2581e-03, 2.7939e-01],  
[8.7471e+00, 2.4582e-02, 8.0655e-01],  
[4.9980e+00, 2.4117e-03, 3.8049e-01],  
[4.8877e-01, 2.1714e-04, 5.7886e-02],  
[5.2910e+01, 4.6359e-01, 1.6824e+00],  
[2.9272e+01, 1.1402e-01, 1.0602e+00],  
[9.4107e+00, 3.4122e-03, 5.7440e-01],  
[4.9601e+01, 4.4881e-01, 1.2871e+00],  
[6.7187e-04, 6.8881e-11, 1.0952e-04],  
[1.3623e+00, 4.7842e-04, 1.2327e-01],  
[3.7005e+01, 1.9723e-01, 8.8104e-01],  
[5.2553e+00, 8.0713e-04, 2.7027e-01],  
[1.5864e+02, 4.0061e-01, 4.4298e+00],  
[4.6467e+01, 3.2969e-02, 1.7112e+00],  
[3.0273e+01, 1.7921e-01, 9.2959e-01],  
[1.3799e+01, 4.1665e-02, 7.7467e-01],  
[1.2618e+02, 1.9240e-01, 3.2080e+00],  
[2.9312e-01, 4.3519e-05, 3.3539e-02],  
[2.0233e+01, 2.1746e-02, 8.2187e-01],  
[1.7601e+00, 1.1551e-03, 1.8245e-01],  
[5.1245e-02, 5.0781e-07, 7.1165e-03],  
[1.1518e+02, 7.7802e-01, 2.2619e+00],  
[2.7896e+01, 2.0458e-01, 1.3361e+00],  
[1.4302e+02, 3.4753e+00, 2.7890e+00],  
[3.2664e+00, 6.8979e-04, 3.1093e-01],  
[9.9811e+01, 1.5296e+00, 2.5758e+00],  
[5.0292e+00, 8.4999e-03, 3.2642e-01],  
[7.5552e+01, 1.6104e+00, 2.2343e+00],  
[3.2581e+00, 3.3617e-03, 3.0408e-01],  
[2.6428e+01, 1.7534e-02, 1.1194e+00],  
[5.3689e+00, 9.4101e-03, 4.1236e-01],  
[1.2305e+00, 1.7388e-04, 1.0904e-01],  
[4.4669e+01, 1.0930e-01, 1.2898e+00],  
[2.6231e-02, 3.9367e-07, 3.9431e-03],  
[4.6894e-01, 2.8692e-05, 5.9875e-02],  
[4.6031e+01, 3.3440e-01, 1.7072e+00],  
[2.1051e+02, 1.1559e+01, 4.4345e+00],  
[4.6751e+01, 2.2049e-01, 1.8189e+00],

[7.2680e+01, 5.1265e-01, 2.0845e+00],  
 [1.3334e-01, 1.1078e-05, 1.7267e-02],  
 [2.3339e+01, 1.0978e-01, 1.0373e+00],  
 [5.5190e+00, 5.8489e-03, 4.8294e-01],  
 [2.0233e+02, 5.4354e+00, 3.8330e+00],  
 [4.3789e-01, 3.8217e-05, 5.3259e-02],  
 [8.7632e+01, 1.6987e-01, 2.3081e+00],  
 [9.4624e+00, 2.6096e-03, 5.7657e-01],  
 [1.6598e+01, 4.9729e-02, 1.6365e+00],  
 [2.9151e+01, 2.5286e-01, 1.0120e+00],  
 [1.4836e+02, 2.5694e+00, 2.6444e+00],  
 [5.7214e+01, 6.0975e-01, 1.5242e+00],  
 [8.8793e-02, 2.8473e-06, 1.0710e-02],  
 [2.0109e+00, 2.0021e-03, 1.4953e-01],  
 [7.1839e+00, 2.4992e-03, 5.7987e-01],  
 [4.6461e+01, 2.0250e-01, 1.9645e+00],  
 [2.3551e+01, 2.6590e-02, 1.8635e+00],  
 [4.8471e-01, 2.7424e-04, 6.2011e-02],  
 [3.0501e+00, 4.9213e-03, 2.4701e-01],  
 [1.2549e-02, 1.8377e-07, 1.9482e-03],  
 [2.5877e+02, 3.4415e+00, 3.9927e+00],  
 [8.6315e+01, 1.8680e-01, 3.5307e+00],  
 [1.4601e+02, 6.7076e+00, 4.3589e+00],  
 [1.5461e+01, 4.0974e-02, 5.2701e-01],  
 [1.6392e+01, 1.3782e-02, 7.0652e-01],  
 [1.3506e+02, 2.0339e+00, 4.5546e+00],  
 [3.0159e+01, 6.7365e-02, 1.2830e+00],  
 [1.6047e+02, 8.8249e-01, 2.7508e+00],  
 [2.2213e+00, 4.4812e-03, 2.6017e-01],  
 [8.5980e-02, 3.1992e-06, 1.2005e-02],  
 [9.6923e+01, 2.1335e+00, 3.7875e+00],  
 [6.3101e-01, 3.4274e-05, 4.7379e-02],  
 [2.0142e-01, 6.3451e-05, 2.8221e-02],  
 [6.7668e-02, 2.5410e-06, 9.3080e-03],  
 [8.2731e+01, 6.7326e-01, 1.4591e+00],  
 [6.8084e-01, 5.5675e-05, 7.6201e-02],  
 [1.5383e+01, 4.0288e-02, 6.7711e-01],  
 [2.3113e+01, 1.3568e-01, 1.0016e+00],  
 [1.3812e+02, 8.7155e-01, 4.3372e+00],  
 [1.0288e+00, 3.3551e-04, 8.0014e-02],  
 [3.5399e+00, 1.2496e-03, 1.9363e-01],  
 [4.1554e-01, 1.8831e-05, 4.1379e-02],  
 [1.7525e+02, 3.2023e+00, 4.3931e+00],  
 [1.7849e+00, 5.3741e-04, 1.1338e-01],  
 [6.7925e+01, 8.9623e-01, 3.0216e+00],  
 [8.9729e+00, 4.3947e-02, 8.7354e-01],  
 [1.2918e-01, 8.9363e-06, 1.6089e-02],  
 [2.5222e-02, 1.2572e-07, 3.7462e-03],

[8.4868e+00, 2.3646e-02, 7.2390e-01],  
[7.3060e+00, 1.4578e-03, 4.6108e-01],  
[1.1414e+00, 1.9747e-04, 1.3215e-01],  
[3.6598e+01, 5.3811e-02, 1.8842e+00],  
[1.4185e-02, 8.2083e-08, 2.1591e-03],  
[2.5202e+01, 4.8254e-02, 1.4203e+00],  
[6.9900e+00, 4.1591e-03, 5.3087e-01],  
[1.0247e+00, 7.0410e-05, 9.6411e-02],  
[9.0889e+00, 2.2012e-02, 5.4723e-01],  
[3.4421e+00, 4.0713e-03, 2.2359e-01],  
[5.8050e-01, 2.0300e-04, 7.2518e-02],  
[7.2883e-02, 1.7805e-06, 1.0302e-02],  
[1.0729e+00, 2.6724e-04, 7.5100e-02],  
[1.6913e-01, 1.2156e-05, 1.8031e-02],  
[1.0182e+01, 9.3532e-03, 5.9544e-01],  
[1.2002e-01, 5.8211e-06, 1.3262e-02],  
[1.8294e+01, 6.5861e-02, 7.8426e-01],  
[2.6668e+01, 3.3248e-01, 1.5494e+00],  
[1.6949e+02, 6.4534e-01, 2.8731e+00],  
[1.7601e+01, 2.3503e-02, 8.2426e-01],  
[1.1786e+01, 3.3658e-03, 4.7999e-01],  
[3.4111e+01, 2.2664e-01, 1.2248e+00],  
[4.5567e+00, 1.5435e-03, 2.4731e-01],  
[8.1183e+00, 8.2536e-03, 5.0401e-01],  
[4.8335e-01, 6.7444e-05, 4.3800e-02],  
[2.4571e+00, 3.8888e-04, 1.1945e-01],  
[9.8781e+00, 2.3520e-02, 6.0218e-01],  
[1.2735e+01, 1.9496e-02, 9.4090e-01],  
[3.8100e-01, 6.2744e-05, 4.6539e-02],  
[1.3240e+00, 2.2671e-04, 9.0762e-02],  
[3.2788e+01, 1.7533e-01, 2.3700e+00],  
[8.3263e-01, 1.8034e-04, 7.6576e-02],  
[2.1459e+00, 7.1842e-04, 1.6088e-01],  
[2.6394e+01, 2.6224e-01, 9.0372e-01],  
[1.1096e+01, 1.9112e-02, 4.3948e-01],  
[1.7225e+01, 1.5513e-02, 9.4147e-01],  
[2.5702e+01, 1.4577e-01, 1.2062e+00],  
[2.5929e-01, 1.1267e-05, 2.8941e-02],  
[2.1359e+01, 1.3514e-01, 7.4388e-01],  
[2.6200e+01, 1.7072e-01, 8.7034e-01],  
[5.3130e+01, 2.7018e-01, 2.1770e+00],  
[3.3929e+00, 1.3013e-03, 2.9414e-01],  
[1.0053e+01, 5.0552e-02, 9.1540e-01],  
[6.5386e-02, 2.0347e-06, 9.4328e-03],  
[7.5465e-01, 2.9852e-05, 8.3448e-02],  
[2.7913e+01, 2.3059e-01, 1.1343e+00],  
[3.4950e+00, 2.0051e-02, 4.4438e-01],  
[1.7398e+00, 1.9556e-04, 1.1148e-01],

[1.2213e+00, 7.9874e-04, 1.3559e-01],  
 [4.5779e+01, 5.7485e-01, 1.2079e+00],  
 [7.6929e-02, 1.2942e-06, 1.0748e-02],  
 [1.4627e+00, 1.1400e-04, 7.9493e-02],  
 [6.8745e+01, 1.4247e+00, 2.6183e+00],  
 [1.6134e+01, 3.9482e-02, 8.4504e-01],  
 [4.3900e-03, 3.6675e-08, 6.8678e-04],  
 [5.2499e+00, 1.1085e-02, 3.0419e-01],  
 [3.1243e-01, 8.4176e-05, 3.5890e-02],  
 [7.8045e+00, 3.7090e-03, 3.8933e-01],  
 [1.7076e+02, 4.1780e+00, 3.1210e+00],  
 [9.0250e+01, 2.9854e-01, 3.1125e+00],  
 [8.3563e+01, 1.3685e-01, 2.5830e+00],  
 [1.4291e+02, 2.3824e+00, 3.6691e+00],  
 [5.6097e+01, 1.0516e+00, 3.0683e+00],  
 [1.5979e+01, 4.4377e-02, 8.4758e-01],  
 [4.5692e-01, 4.0914e-05, 5.4501e-02],  
 [2.8959e+00, 2.7705e-04, 1.8917e-01],  
 [1.3471e+01, 3.2943e-02, 8.1158e-01],  
 [5.3918e-01, 1.4857e-04, 4.5105e-02],  
 [9.8194e-01, 9.4324e-05, 1.0605e-01],  
 [1.6522e+01, 2.7193e-02, 5.8456e-01],  
 [2.1197e+00, 1.6291e-03, 1.4536e-01],  
 [4.6108e+01, 1.1511e-01, 1.0231e+00],  
 [3.0183e+01, 3.0496e-01, 1.2430e+00],  
 [1.4313e+02, 1.9336e+00, 3.2141e+00],  
 [6.2088e+01, 3.1745e-01, 2.1862e+00],  
 [2.1998e+00, 1.2766e-03, 2.0309e-01],  
 [2.6584e+02, 4.5550e+00, 4.8135e+00],  
 [4.2505e-01, 3.9370e-05, 3.4953e-02],  
 [9.8212e-02, 3.0795e-06, 1.2809e-02],  
 [3.4619e+00, 7.8524e-03, 4.2400e-01],  
 [5.9069e-02, 1.6960e-06, 7.5244e-03],  
 [8.7386e-01, 2.8989e-04, 8.9836e-02],  
 [1.2106e+02, 2.4150e+00, 3.6293e+00],  
 [8.0325e+00, 1.5417e-02, 7.7856e-01],  
 [7.6704e-01, 1.1112e-04, 7.1830e-02],  
 [3.4113e+00, 7.2364e-03, 3.2624e-01],  
 [2.6573e-03, 1.6410e-08, 4.2713e-04],  
 [2.6342e+01, 2.0789e-01, 1.1300e+00],  
 [1.2412e+02, 1.6974e+00, 4.4407e+00],  
 [8.5451e-03, 6.3970e-08, 1.3282e-03],  
 [1.1439e+02, 3.3738e+00, 2.6411e+00],  
 [3.1574e-01, 6.0087e-05, 3.6265e-02],  
 [3.0793e-01, 1.8733e-06, 3.6483e-02],  
 [5.6033e-01, 9.4184e-05, 4.2374e-02],  
 [1.0002e+00, 1.1273e-04, 1.0340e-01],  
 [1.3938e+02, 2.7815e+00, 4.6940e+00],



```

[5.5128e-01, 2.5730e-04, 6.1929e-02],
[4.8717e-03, 4.4372e-09, 7.8469e-04],
[2.9441e+01, 5.8746e-02, 1.6217e+00],
[3.5768e-01, 5.1834e-05, 3.3734e-02],
[1.2916e+02, 3.3812e+00, 2.9397e+00],
[7.1045e+01, 6.7560e-02, 2.5215e+00],
[1.9370e-01, 2.9600e-05, 2.1118e-02],
[3.8315e+01, 4.2162e-01, 1.1698e+00],
[5.7633e+01, 1.3044e+00, 2.7324e+00],
[1.7964e+01, 1.6862e-02, 1.0771e+00],
[7.6086e+00, 8.9911e-04, 5.3081e-01],
[2.5672e-01, 1.3259e-05, 2.8106e-02],
[6.3417e+01, 4.9009e-01, 1.5371e+00],
[2.5894e-02, 7.3006e-08, 3.8340e-03],
[4.3012e+01, 3.1240e-01, 1.1453e+00],
[1.2945e+01, 3.3598e-02, 1.0082e+00],
[8.9149e+00, 1.7868e-02, 4.0292e-01],
[8.3425e+00, 1.5509e-02, 5.2952e-01],
[7.2676e-01, 5.1619e-05, 6.3569e-02],
[2.6640e+00, 7.3428e-04, 1.2388e-01]], dtype=torch.float64)
Iteration: 253
Inputs: tensor([[2.7082e+20, 2.5591e+02, 1.0299e+01, 2.0634e+00],
[1.7636e+20, 8.3796e+01, 8.6188e+00, 8.7920e+00],
[1.2561e+20, 3.5269e+02, 1.7684e+00, 7.2989e+00],
...,
[8.8956e+18, 4.6968e+02, 2.6218e+00, 2.1207e+00],
[1.4575e+20, 4.9387e+01, 1.1806e+01, 5.9086e+00],
[3.8318e+20, 2.7569e+02, 2.6529e+00, 1.2628e+00]], dtype=torch.float64)
Target: tensor([[3.3824e+01, 5.6516e-02, 1.8793e+00],
[2.3212e+01, 1.8166e-01, 1.3979e+00],
[8.1540e+01, 5.0892e-01, 1.6646e+00],
[3.1948e-02, 5.6483e-07, 4.5873e-03],
[5.8917e-02, 9.3733e-07, 7.9245e-03],
[1.6273e+01, 5.9204e-03, 4.8395e-01],
[3.9642e+01, 2.8066e-01, 9.4608e-01],
[3.7282e+00, 7.6548e-04, 1.9224e-01],
[1.9645e+01, 2.9018e-02, 1.0952e+00],
[9.4052e+00, 1.8408e-03, 5.3418e-01],
[1.5925e+02, 8.3007e-01, 4.1928e+00],
[3.2265e-01, 3.6225e-05, 2.9308e-02],
[5.5204e+00, 5.2301e-03, 3.5870e-01],
[2.3918e-01, 1.4293e-05, 2.9084e-02],
[7.6483e-01, 7.8443e-05, 8.3269e-02],
[1.0902e+02, 1.7896e+00, 3.3291e+00],
[4.7414e+01, 2.1220e-01, 1.7669e+00],
[5.3934e+00, 6.1574e-03, 2.9527e-01],
[4.7435e+01, 4.8207e-01, 1.4733e+00],
[1.8922e+01, 1.1514e-01, 9.6578e-01],

```

[3.2700e-02, 9.2985e-07, 4.8498e-03],  
[7.5922e+00, 3.3392e-02, 7.3206e-01],  
[4.3989e+01, 1.3066e-01, 1.4116e+00],  
[1.7261e-02, 2.0546e-07, 2.6950e-03],  
[1.5347e+00, 6.2022e-04, 1.2563e-01],  
[1.3472e+00, 3.8131e-04, 1.2126e-01],  
[1.7147e+01, 9.3735e-02, 1.2903e+00],  
[1.9344e+02, 5.2950e+00, 4.5727e+00],  
[1.8354e+02, 5.8541e+00, 4.5773e+00],  
[2.5493e+01, 8.4116e-02, 1.0740e+00],  
[5.1598e+01, 2.9158e-01, 2.0230e+00],  
[2.5787e+01, 1.1142e-01, 2.0090e+00],  
[1.9377e-01, 5.6505e-06, 2.5148e-02],  
[6.1938e+01, 1.1878e+00, 2.2171e+00],  
[1.9324e+02, 1.8558e+00, 4.7596e+00],  
[1.5122e+01, 3.6123e-02, 5.8623e-01],  
[5.4516e+01, 9.7883e-01, 2.7397e+00],  
[2.6277e-03, 6.4344e-09, 4.1415e-04],  
[3.8285e+01, 1.8334e-01, 1.4417e+00],  
[1.5010e+02, 1.9856e+00, 3.1891e+00],  
[2.4188e-01, 4.2579e-05, 3.1587e-02],  
[3.8352e+01, 4.4399e-01, 1.3712e+00],  
[1.9386e+00, 5.6655e-04, 1.1489e-01],  
[1.2351e+00, 2.3156e-04, 1.0776e-01],  
[1.2650e+02, 4.0938e+00, 3.6212e+00],  
[1.4683e+02, 2.1773e+00, 2.9533e+00],  
[1.0387e+02, 2.0480e+00, 3.3182e+00],  
[1.9317e+01, 3.7937e-02, 1.0733e+00],  
[1.1173e+01, 1.1285e-02, 9.8240e-01],  
[1.7448e+01, 5.8357e-02, 7.0913e-01],  
[2.2394e+02, 8.3996e+00, 4.8606e+00],  
[8.9616e+01, 2.3316e-01, 3.7185e+00],  
[1.2359e-01, 3.6567e-06, 1.4528e-02],  
[2.0585e+01, 7.4488e-02, 8.2365e-01],  
[4.7933e+01, 1.6979e-01, 1.3297e+00],  
[1.8619e+01, 8.1271e-02, 1.0119e+00],  
[8.9126e+01, 1.0994e+00, 1.7077e+00],  
[3.2327e+00, 9.0247e-04, 2.2271e-01],  
[1.3372e+01, 4.0472e-02, 8.1378e-01],  
[1.4256e+01, 1.8605e-02, 4.9331e-01],  
[7.8477e+01, 2.1551e-01, 2.3947e+00],  
[1.2293e+00, 1.0109e-04, 1.2928e-01],  
[1.1744e+01, 5.7391e-02, 6.3310e-01],  
[1.2481e+02, 4.0921e+00, 2.7515e+00],  
[4.6658e+01, 4.0522e-02, 2.4427e+00],  
[1.2592e+00, 1.0889e-04, 6.7326e-02],  
[2.4560e+00, 1.5611e-03, 1.6237e-01],  
[1.0415e+01, 5.3865e-02, 9.7667e-01],

[1.0422e+01, 5.9225e-02, 8.5917e-01],  
 [7.9103e+00, 5.6737e-03, 4.1072e-01],  
 [1.6111e+01, 9.1397e-02, 8.0266e-01],  
 [3.8361e-01, 5.6109e-05, 3.3788e-02],  
 [1.4657e+01, 5.2000e-02, 6.3881e-01],  
 [6.1738e+00, 6.8720e-03, 4.5607e-01],  
 [3.3320e+01, 3.6971e-01, 2.6324e+00],  
 [3.7673e+00, 4.5518e-03, 2.4412e-01],  
 [4.6897e+00, 6.0204e-03, 2.8056e-01],  
 [5.5771e+01, 4.5356e-02, 1.4043e+00],  
 [5.9395e+01, 1.1701e-01, 1.6610e+00],  
 [2.5227e+00, 1.8692e-03, 1.4429e-01],  
 [3.6661e+01, 9.5929e-02, 2.5015e+00],  
 [1.1571e+00, 1.2245e-03, 1.2719e-01],  
 [1.4407e-01, 1.7244e-05, 1.9089e-02],  
 [6.0644e+01, 1.3104e-01, 2.0043e+00],  
 [4.8123e+00, 3.8760e-03, 3.7787e-01],  
 [1.4581e-02, 1.1155e-07, 2.2058e-03],  
 [6.4756e+01, 1.5758e-01, 1.6604e+00],  
 [3.0456e+00, 4.9422e-03, 2.4486e-01],  
 [4.6497e-02, 1.2658e-07, 6.0437e-03],  
 [1.4562e-03, 3.3511e-10, 2.3665e-04],  
 [4.3701e-01, 1.2892e-05, 4.8969e-02],  
 [1.1156e+02, 5.6800e-01, 2.3703e+00],  
 [7.5859e-04, 6.6845e-11, 1.2299e-04],  
 [3.3004e+00, 1.0488e-03, 2.0306e-01],  
 [2.5452e-02, 3.7672e-07, 3.8835e-03],  
 [4.6346e-01, 1.3511e-04, 4.1621e-02],  
 [7.5449e-01, 7.0633e-05, 5.2071e-02],  
 [2.2772e-01, 1.1671e-05, 2.7038e-02],  
 [9.1173e+00, 6.5923e-03, 8.6749e-01],  
 [1.3144e+02, 8.2577e-01, 3.1471e+00],  
 [3.1317e-01, 2.2132e-05, 4.0041e-02],  
 [6.0862e-01, 1.8882e-04, 7.3305e-02],  
 [1.2978e+01, 8.4893e-03, 8.8065e-01],  
 [1.5652e+00, 1.1196e-03, 1.6209e-01],  
 [3.4188e-01, 2.1455e-05, 3.0473e-02],  
 [4.3549e-01, 8.6144e-05, 4.1100e-02],  
 [1.4277e+02, 1.3184e+00, 2.9721e+00],  
 [4.5863e+01, 8.6196e-01, 3.1121e+00],  
 [6.7522e+00, 1.0105e-02, 4.2915e-01],  
 [4.8419e-01, 1.3382e-04, 5.5261e-02],  
 [5.2002e+00, 1.4559e-02, 3.8557e-01],  
 [2.0048e+02, 7.5405e+00, 4.1059e+00],  
 [2.5739e+01, 1.5754e-02, 7.6243e-01],  
 [1.4415e+00, 6.1485e-04, 1.2840e-01],  
 [5.0783e+01, 3.9969e-01, 3.0097e+00],  
 [7.1235e+00, 1.0629e-02, 5.0528e-01],

[1.6358e+00, 1.0396e-04, 1.2278e-01],  
 [2.1876e+01, 1.1217e-01, 8.3647e-01],  
 [2.7279e+01, 1.8675e-01, 9.4062e-01],  
 [1.2517e+00, 6.1286e-04, 1.3207e-01],  
 [6.5814e+00, 1.0821e-02, 4.4138e-01],  
 [8.2684e+01, 5.3985e-01, 2.8450e+00],  
 [1.9628e+01, 4.8653e-02, 1.1851e+00],  
 [1.0599e-02, 3.5293e-08, 1.6587e-03],  
 [3.2789e+00, 4.6861e-04, 2.2513e-01],  
 [2.2033e+00, 1.0004e-03, 1.8441e-01],  
 [1.1354e+01, 1.6419e-02, 9.1701e-01],  
 [8.8964e+00, 4.1502e-02, 5.4384e-01],  
 [8.6409e-02, 2.1199e-06, 1.0255e-02],  
 [3.0366e+01, 4.0833e-01, 1.8655e+00],  
 [1.6608e+01, 7.7685e-02, 7.5648e-01],  
 [3.1256e-01, 3.5133e-05, 3.5452e-02],  
 [8.2371e-03, 7.0046e-08, 1.2724e-03],  
 [1.9361e+00, 2.8105e-04, 2.1347e-01],  
 [8.7184e+01, 2.2537e+00, 2.6666e+00],  
 [3.9394e+00, 8.1815e-04, 1.7085e-01],  
 [6.4842e+00, 2.1877e-02, 4.7768e-01],  
 [3.8680e-01, 1.0339e-05, 4.3416e-02],  
 [4.2148e-01, 1.2353e-05, 3.6485e-02],  
 [1.0346e+01, 1.3904e-02, 6.2119e-01],  
 [7.6647e-04, 2.8869e-10, 1.2479e-04],  
 [3.1507e+00, 1.1170e-03, 2.5018e-01],  
 [3.6723e-02, 3.3313e-07, 5.4386e-03],  
 [3.9572e+01, 2.8034e-01, 2.1236e+00],  
 [2.2527e+01, 2.2814e-01, 8.8506e-01],  
 [1.1771e+02, 9.8301e-02, 3.1170e+00],  
 [4.9385e+00, 4.1791e-03, 2.3584e-01],  
 [2.2858e+00, 1.7192e-04, 2.5146e-01],  
 [1.1139e+00, 1.3847e-04, 7.4803e-02],  
 [5.7505e+00, 4.7521e-03, 3.9991e-01],  
 [1.6222e+00, 1.0301e-03, 1.4714e-01],  
 [1.5197e-02, 3.2644e-08, 2.4070e-03],  
 [1.0270e+02, 1.6139e+00, 3.9031e+00],  
 [2.1605e+01, 2.8396e-02, 6.4808e-01],  
 [2.2003e+01, 8.8490e-02, 1.1442e+00],  
 [8.4287e-02, 4.8006e-06, 1.1795e-02],  
 [1.0515e+00, 2.8392e-04, 9.3525e-02],  
 [4.6939e+01, 5.2899e-01, 1.4951e+00],  
 [5.8118e-02, 1.8944e-07, 7.6822e-03],  
 [1.2535e+02, 2.7293e+00, 2.7474e+00],  
 [3.1646e+00, 5.8263e-04, 2.9020e-01],  
 [9.9492e-02, 2.3590e-07, 1.1631e-02],  
 [8.4019e-01, 1.1944e-04, 8.7683e-02],  
 [9.4540e-01, 2.0895e-04, 1.1799e-01],

[6.6135e+00, 2.6409e-04, 3.3947e-01],  
 [1.5235e+02, 6.5405e+00, 4.6561e+00],  
 [3.3996e+00, 1.2622e-03, 2.9382e-01],  
 [6.6013e+00, 6.8477e-03, 6.1507e-01],  
 [3.2363e-01, 1.0050e-05, 2.6707e-02],  
 [7.4114e+01, 1.1255e-01, 2.2972e+00],  
 [3.9235e+01, 2.4559e-01, 1.4922e+00],  
 [1.4196e+00, 2.0036e-04, 1.2931e-01],  
 [5.9377e+01, 6.4777e-01, 1.4425e+00],  
 [1.1683e+00, 6.4651e-04, 1.4097e-01],  
 [2.2787e-01, 1.8928e-06, 2.7033e-02],  
 [6.3729e-01, 3.2833e-04, 7.2652e-02],  
 [3.1558e+01, 1.3594e-01, 2.0337e+00],  
 [3.0264e-03, 1.5379e-09, 4.7858e-04],  
 [8.6330e+00, 2.9811e-02, 4.7765e-01],  
 [5.8233e-01, 1.9034e-04, 5.9861e-02],  
 [7.3109e-01, 5.8998e-04, 8.6322e-02],  
 [1.6489e+02, 5.9664e-01, 2.8974e+00],  
 [2.5591e+01, 1.2982e-01, 8.7210e-01],  
 [3.3346e+00, 4.5518e-03, 2.0045e-01],  
 [4.7326e+00, 6.1595e-03, 3.9342e-01],  
 [6.7516e+00, 4.8851e-03, 3.1307e-01],  
 [7.3679e-02, 2.5525e-06, 1.0761e-02],  
 [6.5168e+01, 6.4468e-01, 1.4358e+00],  
 [5.8247e+00, 3.0694e-03, 4.0947e-01],  
 [1.0965e-01, 9.9480e-06, 1.4688e-02],  
 [2.6149e-02, 2.2154e-07, 4.0964e-03],  
 [1.8183e-02, 2.3966e-07, 2.8939e-03],  
 [2.6172e+01, 5.4686e-02, 2.2505e+00],  
 [6.4713e+01, 1.7289e-01, 1.3390e+00],  
 [4.4049e-01, 1.1129e-04, 3.8461e-02],  
 [3.9548e+01, 1.7492e-01, 1.1358e+00],  
 [4.4427e+00, 2.3882e-03, 3.6511e-01],  
 [1.5149e+02, 1.5245e+00, 4.6973e+00],  
 [6.5242e-01, 1.6266e-04, 5.8477e-02],  
 [1.4326e+00, 2.2515e-04, 1.1853e-01],  
 [2.2720e+00, 5.5655e-04, 2.1969e-01],  
 [5.1747e+01, 3.9820e-01, 1.9318e+00],  
 [7.1020e+01, 4.3958e-01, 2.4592e+00],  
 [3.7834e-02, 3.2750e-07, 5.4755e-03],  
 [1.1136e+01, 1.4234e-02, 7.9645e-01],  
 [1.8032e+02, 1.5291e+00, 3.5856e+00],  
 [8.7550e-01, 6.9328e-05, 5.8602e-02],  
 [7.5175e-01, 3.2547e-04, 9.3259e-02],  
 [8.4886e+01, 1.0033e+00, 1.7437e+00],  
 [2.4554e-01, 8.4335e-06, 3.2218e-02],  
 [1.6021e+01, 2.9678e-02, 5.7672e-01],  
 [7.9259e-02, 8.3725e-06, 1.0574e-02],

[3.2191e+01, 1.7810e-01, 1.6009e+00],  
 [1.7175e+02, 3.3381e+00, 3.1719e+00],  
 [1.3284e-01, 3.3594e-06, 1.7586e-02],  
 [1.5328e+02, 9.3080e-01, 3.1972e+00],  
 [1.3034e-02, 2.3175e-07, 1.9564e-03],  
 [1.1019e+00, 2.5333e-04, 7.1729e-02],  
 [3.3160e-03, 1.9640e-09, 5.2396e-04],  
 [3.8677e+01, 9.4025e-02, 1.9011e+00],  
 [4.0003e+00, 4.6744e-03, 3.4388e-01],  
 [1.1212e+01, 4.0753e-02, 6.5279e-01],  
 [2.5782e-02, 5.0038e-07, 3.8805e-03],  
 [1.9387e+02, 2.6788e+00, 4.4706e+00],  
 [8.3999e+00, 3.0390e-03, 5.4057e-01],  
 [8.3065e-01, 3.2470e-04, 6.7571e-02],  
 [8.7743e+01, 3.2328e-01, 2.8526e+00],  
 [2.0649e+00, 1.3435e-04, 2.0412e-01],  
 [7.1081e-02, 3.4949e-06, 9.6876e-03],  
 [4.5554e+01, 6.5612e-01, 1.8114e+00],  
 [8.4707e+01, 1.5243e+00, 2.5915e+00],  
 [1.7383e+01, 6.7923e-02, 8.1486e-01],  
 [6.0029e-01, 2.2409e-04, 5.7929e-02],  
 [1.0171e+02, 2.3908e+00, 3.1273e+00],  
 [1.6795e-02, 9.8621e-08, 2.5746e-03],  
 [4.3436e+00, 2.3511e-03, 4.1787e-01],  
 [4.0188e+01, 5.5316e-01, 1.4647e+00],  
 [6.3100e-01, 1.3656e-04, 6.2317e-02],  
 [1.2165e+02, 1.9432e+00, 3.1660e+00],  
 [4.6673e+01, 3.3011e-01, 1.8730e+00],  
 [8.5633e-01, 9.9140e-05, 8.0237e-02],  
 [2.0703e-02, 4.2125e-07, 3.1804e-03],  
 [9.6820e+01, 1.1168e+00, 2.5043e+00],  
 [6.9621e+01, 6.5804e-01, 3.2764e+00],  
 [2.3440e+01, 1.8599e-02, 9.3597e-01],  
 [1.9457e-01, 9.1394e-06, 2.1365e-02],  
 [4.2390e+00, 5.7561e-04, 1.8842e-01],  
 [1.7518e+02, 1.5935e+00, 4.0901e+00],  
 [5.2595e+01, 2.9698e-01, 1.0018e+00],  
 [2.4409e+01, 9.0473e-02, 6.6355e-01],  
 [5.9536e+00, 2.1241e-03, 2.1369e-01],  
 [6.1947e-03, 2.2608e-08, 9.5119e-04],  
 [5.0544e+01, 3.4785e-01, 1.7091e+00],  
 [1.1092e+02, 8.6959e-01, 3.7398e+00],  
 [1.2524e+01, 3.3398e-02, 7.5416e-01],  
 [2.6944e+01, 5.3239e-02, 6.8428e-01],  
 [3.7134e-01, 2.7028e-05, 2.8611e-02],  
 [1.0971e+01, 1.7420e-02, 4.6556e-01],  
 [9.7135e+00, 1.7602e-02, 5.7545e-01],  
 [9.8861e+01, 6.1949e-01, 3.6279e+00],

[6.3856e+01, 9.9594e-01, 2.0598e+00],  
[9.9789e-01, 1.2789e-04, 6.8942e-02],  
[8.8468e+01, 1.2160e+00, 2.9280e+00],  
[8.9269e-01, 1.7980e-04, 5.7819e-02],  
[7.6544e+00, 1.3561e-02, 4.8706e-01],  
[2.4084e+00, 1.1474e-03, 2.1252e-01],  
[4.9181e+01, 1.4273e-01, 1.4189e+00],  
[1.5354e+00, 4.9026e-04, 9.8555e-02],  
[8.8547e+01, 3.1883e-01, 3.1257e+00],  
[3.3909e+01, 4.6843e-02, 1.7555e+00],  
[7.6810e-01, 1.1595e-05, 4.9345e-02],  
[6.4534e-03, 4.2176e-08, 9.8711e-04],  
[1.1946e+02, 2.0321e+00, 3.4431e+00],  
[1.0863e+01, 1.2720e-02, 6.4018e-01],  
[2.8132e-01, 5.3640e-05, 4.1370e-02],  
[1.1621e+01, 8.4616e-02, 8.0517e-01],  
[6.3984e+00, 1.1549e-02, 3.3489e-01],  
[2.8491e+00, 1.3363e-04, 2.3289e-01],  
[8.6772e-01, 9.5288e-05, 7.9061e-02],  
[4.3245e-03, 1.2678e-08, 6.7700e-04],  
[5.1185e-02, 5.0938e-07, 7.0271e-03],  
[7.2301e-01, 4.9718e-04, 8.1758e-02],  
[6.0137e+01, 1.4844e-01, 2.5613e+00],  
[1.4740e+00, 1.0975e-04, 9.0474e-02],  
[5.1133e+01, 1.0493e-01, 1.2361e+00],  
[3.1763e-01, 2.2514e-05, 3.8952e-02],  
[3.5834e-03, 2.4257e-08, 5.5949e-04],  
[6.0088e-03, 3.3037e-09, 9.1953e-04],  
[1.1595e-02, 1.0031e-07, 1.7441e-03],  
[1.3314e+01, 3.3947e-02, 5.1623e-01],  
[1.0790e+01, 1.4718e-02, 6.0372e-01],  
[3.9069e+01, 9.9762e-02, 1.4492e+00],  
[1.1609e+01, 1.9807e-02, 8.9451e-01],  
[6.4957e-01, 9.2718e-05, 5.9463e-02],  
[6.0364e-03, 3.8517e-08, 9.3538e-04],  
[1.3191e+02, 1.2024e+00, 3.0166e+00],  
[1.6953e+01, 8.6223e-02, 1.4453e+00],  
[2.9360e+00, 5.3071e-04, 2.0090e-01],  
[5.2848e+01, 4.6655e-01, 2.1101e+00],  
[1.0263e-01, 4.8663e-06, 1.2718e-02],  
[1.2338e+01, 8.3942e-02, 1.0637e+00],  
[2.2929e+00, 2.4747e-04, 1.1043e-01],  
[1.2074e-03, 9.0355e-10, 1.9502e-04],  
[2.5871e-01, 9.3851e-06, 2.7575e-02],  
[4.1904e-02, 3.4278e-07, 6.4169e-03],  
[9.1581e+00, 3.1763e-02, 6.2297e-01],  
[2.3235e+00, 6.1743e-04, 1.5457e-01],  
[3.8953e+01, 3.5964e-01, 1.4011e+00],

```

[2.0308e+01, 2.0165e-01, 1.7298e+00],
[2.6509e+01, 8.5889e-02, 1.7779e+00],
[2.2585e+00, 1.0858e-03, 2.9114e-01],
[4.7840e+00, 3.2276e-03, 3.0432e-01],
[1.9903e+01, 1.3440e-02, 1.2664e+00],
[1.5514e-03, 5.8926e-10, 2.4913e-04],
[6.4472e+01, 1.1823e+00, 1.7249e+00],
[2.7722e+00, 4.3451e-04, 2.0837e-01],
[5.1188e+00, 6.5232e-04, 2.7423e-01],
[5.2281e+00, 3.5124e-04, 2.5252e-01],
[5.5173e+00, 1.4460e-02, 5.6381e-01],
[8.3993e+01, 4.5243e-02, 2.8307e+00]], dtype=torch.float64)
Iteration: 254
Inputs: tensor([[2.3526e+20, 4.3948e+02, 1.3860e+01, 6.8871e+00],
[1.2119e+18, 4.9611e+02, 8.7039e+00, 2.0826e+00],
[1.6562e+19, 3.9091e+02, 1.2788e+01, 3.9382e+00],
...,
[2.4925e+19, 2.5963e+02, 9.2823e+00, 4.4297e+00],
[2.4792e+19, 1.5603e+02, 3.2441e+00, 7.2795e+00],
[1.4865e+18, 2.0290e+02, 1.2159e+01, 2.7433e+00]], dtype=torch.float64)
Target: tensor([[8.4912e+01, 1.2145e+00, 2.2798e+00],
[1.0208e-01, 8.6954e-07, 1.2006e-02],
[4.7987e+00, 2.8909e-03, 3.1325e-01],
[9.6476e+01, 1.6916e+00, 2.9357e+00],
[3.3906e+00, 2.4096e-03, 2.6213e-01],
[8.3895e+00, 2.1053e-02, 4.9822e-01],
[5.0526e+01, 5.8530e-01, 1.4704e+00],
[1.4630e+02, 1.6899e-01, 4.2263e+00],
[1.8912e-01, 4.8524e-05, 2.4919e-02],
[1.4473e-01, 7.0363e-06, 1.5463e-02],
[5.5224e+01, 2.7577e-01, 1.5699e+00],
[2.9063e+01, 7.4679e-02, 1.2332e+00],
[3.1630e-02, 1.1683e-07, 4.6169e-03],
[2.2908e+00, 1.6574e-03, 2.9162e-01],
[6.7667e-02, 4.6929e-07, 8.4146e-03],
[5.9934e+01, 2.5574e-01, 1.2495e+00],
[1.7085e+01, 4.6062e-02, 6.8502e-01],
[1.5688e+02, 5.2375e+00, 3.6251e+00],
[2.0318e-01, 8.0096e-06, 2.0630e-02],
[7.7142e+00, 4.1824e-03, 3.0746e-01],
[4.2729e+00, 1.0346e-03, 2.0428e-01],
[4.0982e+00, 1.0182e-02, 5.1603e-01],
[2.3104e-01, 1.3439e-05, 2.5829e-02],
[1.4519e+01, 1.9534e-02, 8.7713e-01],
[8.5853e+00, 1.0127e-02, 5.4230e-01],
[2.4883e-02, 8.3977e-07, 3.7469e-03],
[2.5332e-02, 1.0396e-06, 3.7033e-03],
[9.5763e-01, 4.4150e-04, 8.1149e-02],

```



[2.8156e+01, 5.2230e-02, 1.0227e+00],  
[3.5402e+00, 5.6737e-03, 3.3319e-01],  
[2.3217e+01, 2.5565e-01, 1.4545e+00],  
[3.8513e-02, 1.8186e-07, 5.2928e-03],  
[9.9992e+00, 3.9033e-03, 6.6769e-01],  
[2.2133e+02, 5.3968e+00, 3.3084e+00],  
[3.9431e+01, 1.9960e-01, 1.9142e+00],  
[1.2685e+02, 1.3214e+00, 2.4261e+00],  
[1.0570e+02, 1.0688e+00, 2.5465e+00],  
[2.7562e+01, 7.8840e-02, 1.6258e+00],  
[2.1964e+01, 1.1381e-03, 7.8134e-01],  
[3.1341e+01, 2.4230e-01, 1.6117e+00],  
[4.0021e-01, 1.3738e-04, 5.0497e-02],  
[2.4054e+01, 1.3001e-01, 1.2839e+00],  
[1.7960e+00, 3.3876e-04, 1.0044e-01],  
[9.1009e+01, 4.7365e-01, 3.1937e+00],  
[2.3754e+01, 3.5321e-02, 1.5391e+00],  
[1.4325e+00, 7.1415e-04, 2.0012e-01],  
[1.0508e+01, 2.6289e-02, 4.2598e-01],  
[5.4646e+01, 1.6924e-01, 2.5989e+00],  
[1.3088e-01, 7.1842e-07, 1.7395e-02],  
[6.9732e-01, 5.4632e-05, 8.1678e-02],  
[2.6626e+00, 1.4152e-04, 1.6702e-01],  
[1.9583e+01, 3.2848e-02, 9.5116e-01],  
[3.6402e+00, 1.8752e-03, 2.3191e-01],  
[3.9530e-02, 2.3276e-07, 5.7094e-03],  
[9.4662e+01, 2.9714e-01, 2.1190e+00],  
[9.2372e+00, 2.2870e-02, 4.8513e-01],  
[2.0494e-01, 6.3487e-06, 2.7875e-02],  
[1.5098e+01, 1.9712e-02, 6.2764e-01],  
[2.1686e+00, 1.2386e-03, 2.0927e-01],  
[2.0472e+01, 9.6661e-02, 1.3062e+00],  
[3.0737e+00, 1.9674e-03, 1.7419e-01],  
[1.0198e+01, 9.1585e-03, 4.4817e-01],  
[1.2017e+00, 5.8105e-04, 9.5939e-02],  
[5.0595e+01, 5.8033e-01, 1.6346e+00],  
[1.4359e+00, 7.1801e-04, 1.3101e-01],  
[3.7006e+01, 8.9408e-02, 1.6780e+00],  
[7.4606e-01, 2.6725e-04, 7.0269e-02],  
[2.8734e+01, 1.8609e-01, 1.2315e+00],  
[1.6078e+02, 4.0479e+00, 3.6105e+00],  
[1.4463e+01, 2.8833e-02, 1.4799e+00],  
[4.2113e+01, 3.4203e-01, 1.0799e+00],  
[4.1291e+01, 3.1857e-01, 1.3011e+00],  
[4.3985e+01, 2.4606e-01, 1.4152e+00],  
[1.2550e-01, 2.2641e-06, 1.7480e-02],  
[2.9851e-02, 1.7037e-07, 4.4454e-03],  
[8.8819e+00, 3.1445e-02, 5.9537e-01],

[3.1025e-01, 4.0494e-05, 4.5890e-02],  
 [3.6263e+01, 3.1755e-01, 1.5663e+00],  
 [1.3745e+01, 6.0160e-02, 6.3184e-01],  
 [1.1321e+01, 2.6670e-02, 8.0545e-01],  
 [4.1091e+01, 2.9526e-01, 1.8792e+00],  
 [9.3601e+01, 1.5407e+00, 2.9922e+00],  
 [1.5174e+01, 3.3536e-03, 1.0143e+00],  
 [7.3337e+01, 7.0181e-01, 1.7390e+00],  
 [4.2937e+01, 2.2675e-01, 2.2197e+00],  
 [8.6833e+00, 8.8087e-03, 4.0304e-01],  
 [4.8214e+01, 2.1652e-02, 1.8185e+00],  
 [2.0698e+01, 7.7388e-02, 7.8277e-01],  
 [5.9284e+00, 4.4415e-03, 4.5684e-01],  
 [5.1302e+01, 2.2399e-01, 2.1732e+00],  
 [1.5610e+01, 2.2955e-02, 9.6247e-01],  
 [4.6141e-02, 6.7662e-07, 6.6243e-03],  
 [2.9012e+00, 1.9833e-03, 2.0435e-01],  
 [1.4462e-02, 3.8475e-08, 2.1093e-03],  
 [1.2469e+01, 2.2217e-02, 6.6164e-01],  
 [6.9265e-01, 5.1940e-05, 4.5484e-02],  
 [9.9528e-01, 8.6273e-05, 1.0111e-01],  
 [3.8348e+01, 8.8613e-02, 1.0644e+00],  
 [1.5993e-03, 1.2795e-09, 2.5870e-04],  
 [9.7532e-01, 2.6989e-04, 6.9729e-02],  
 [7.0794e+01, 1.1263e-01, 3.2130e+00],  
 [6.6940e+01, 6.1702e-02, 3.6295e+00],  
 [1.9359e+01, 2.9633e-02, 1.4040e+00],  
 [3.9781e-01, 4.8085e-05, 4.5569e-02],  
 [4.8551e+01, 2.1696e-01, 1.7165e+00],  
 [1.1427e+00, 1.7236e-04, 8.9041e-02],  
 [2.2240e+00, 1.9048e-03, 1.6383e-01],  
 [1.4577e+01, 1.5243e-02, 5.4798e-01],  
 [2.6732e-01, 7.7139e-06, 2.5988e-02],  
 [3.9411e+00, 6.0311e-03, 2.6220e-01],  
 [4.4970e+01, 5.1547e-01, 1.5406e+00],  
 [3.8317e+01, 1.8795e-01, 2.2907e+00],  
 [9.1186e-03, 1.8691e-08, 1.3669e-03],  
 [6.4650e+01, 4.2825e-01, 2.0782e+00],  
 [1.4627e+00, 4.4437e-04, 1.6765e-01],  
 [8.6412e+01, 6.0077e-01, 2.9630e+00],  
 [1.4302e+02, 3.2688e+00, 2.8756e+00],  
 [2.8330e-02, 1.1625e-06, 3.9639e-03],  
 [1.6165e+00, 1.3228e-03, 1.4083e-01],  
 [4.5271e+01, 5.9670e-01, 1.7362e+00],  
 [1.8708e+02, 3.7299e+00, 3.1849e+00],  
 [4.4983e-02, 8.9411e-07, 6.0363e-03],  
 [1.1451e+00, 1.0627e-03, 1.1601e-01],  
 [9.1413e-01, 5.5685e-05, 1.0724e-01],

[2.3007e+01, 3.8830e-02, 1.2845e+00],  
[4.2403e-02, 1.8072e-06, 5.7046e-03],  
[2.1495e+00, 1.0028e-03, 1.3322e-01],  
[1.0901e+02, 1.8796e+00, 3.2196e+00],  
[3.3070e+01, 1.7516e-01, 1.2945e+00],  
[1.4430e+02, 3.8395e-01, 4.0014e+00],  
[7.5689e-01, 1.3276e-04, 5.6164e-02],  
[5.5812e+00, 4.7399e-03, 4.1446e-01],  
[5.8318e-01, 2.7816e-05, 4.0635e-02],  
[1.2077e+02, 2.9453e+00, 2.9424e+00],  
[1.1833e+01, 1.3155e-02, 7.0453e-01],  
[1.4652e-01, 1.5805e-05, 1.6138e-02],  
[1.9856e+00, 2.2777e-04, 1.1916e-01],  
[7.7476e+01, 1.2571e+00, 3.2006e+00],  
[5.5328e-02, 3.5437e-06, 7.3267e-03],  
[1.6379e+02, 2.9873e+00, 3.5798e+00],  
[2.4016e-01, 2.0723e-06, 2.9992e-02],  
[1.1706e-01, 4.0194e-06, 1.6902e-02],  
[2.4834e-02, 5.7176e-07, 3.4797e-03],  
[1.2749e+01, 2.3635e-02, 9.7114e-01],  
[1.4523e+01, 1.7143e-02, 1.1531e+00],  
[1.6421e+02, 7.3119e-01, 3.2776e+00],  
[9.7631e-02, 4.0718e-06, 1.2576e-02],  
[9.0773e+00, 1.6555e-02, 5.0456e-01],  
[8.3105e-02, 5.0343e-06, 1.1591e-02],  
[2.0785e+00, 6.3525e-04, 1.9963e-01],  
[2.2562e+01, 1.4201e-01, 8.0145e-01],  
[1.6776e+02, 2.1651e+00, 4.4484e+00],  
[6.3337e-02, 2.4232e-07, 8.0060e-03],  
[4.7336e-01, 5.0993e-05, 3.7761e-02],  
[2.3660e+00, 2.2913e-04, 1.5811e-01],  
[6.4124e+01, 5.3389e-01, 1.8370e+00],  
[6.8376e+01, 1.0779e+00, 1.7061e+00],  
[5.3971e+00, 6.2939e-03, 2.6658e-01],  
[5.8832e-01, 3.7787e-05, 7.6486e-02],  
[1.0766e+00, 6.5868e-05, 8.0110e-02],  
[1.2010e-01, 3.8213e-06, 1.5116e-02],  
[2.1961e-03, 1.8577e-09, 3.5003e-04],  
[9.0854e+00, 6.6487e-03, 8.3050e-01],  
[8.6167e-01, 1.9861e-04, 6.3220e-02],  
[7.7700e+00, 1.5519e-03, 4.9174e-01],  
[7.2659e-02, 1.2131e-06, 9.3259e-03],  
[7.0999e+00, 4.9183e-03, 5.5789e-01],  
[1.0728e+02, 2.9459e-01, 2.9666e+00],  
[8.6444e-02, 5.7473e-06, 1.0382e-02],  
[1.1027e+02, 4.0512e-01, 2.0596e+00],  
[5.8007e-02, 3.0812e-07, 7.9426e-03],  
[5.7776e+00, 3.7222e-03, 5.7255e-01],

[1.0162e+00, 5.0980e-04, 9.1839e-02],  
[1.0839e+00, 2.0850e-04, 1.0810e-01],  
[9.0058e-02, 4.6413e-06, 1.0778e-02],  
[1.9202e+02, 7.3213e+00, 3.5283e+00],  
[2.7628e-01, 2.5652e-05, 3.1175e-02],  
[6.3958e-01, 3.3716e-05, 6.4856e-02],  
[3.5084e-01, 1.9944e-05, 3.7120e-02],  
[2.0380e-01, 2.6050e-05, 2.2555e-02],  
[8.7009e+01, 1.0209e+00, 3.7780e+00],  
[3.1453e-01, 4.7807e-06, 3.0324e-02],  
[6.4346e-02, 3.9702e-07, 8.2325e-03],  
[4.9795e-01, 6.5811e-05, 3.5678e-02],  
[1.5640e+00, 5.9745e-04, 1.0718e-01],  
[7.8503e+00, 1.0837e-02, 5.3913e-01],  
[9.5119e-02, 3.1806e-06, 1.2876e-02],  
[3.6859e+00, 4.6599e-03, 2.5370e-01],  
[2.2019e+01, 8.7245e-02, 8.5123e-01],  
[5.0482e+00, 3.2937e-03, 2.2832e-01],  
[5.5339e-01, 1.2122e-04, 5.6221e-02],  
[1.2904e-01, 1.0124e-06, 1.6394e-02],  
[2.0860e+02, 1.0130e+00, 3.3937e+00],  
[3.2573e-01, 1.9784e-05, 3.0099e-02],  
[2.7922e+00, 1.8915e-03, 2.2672e-01],  
[7.8159e-02, 4.4220e-07, 9.3723e-03],  
[3.2555e+00, 8.9027e-04, 3.1977e-01],  
[2.4794e-01, 1.9618e-05, 2.4164e-02],  
[3.1255e+02, 4.1966e+00, 4.4193e+00],  
[1.1028e+01, 3.5053e-02, 6.6351e-01],  
[2.5548e-01, 2.0895e-05, 2.6088e-02],  
[7.8675e+01, 4.4244e-01, 2.1433e+00],  
[4.0121e+01, 4.7100e-01, 1.3798e+00],  
[3.9655e+01, 3.4759e-01, 1.9458e+00],  
[9.9256e+01, 8.4038e-01, 2.2750e+00],  
[1.5067e+01, 6.9224e-03, 8.6670e-01],  
[5.6834e+01, 2.7090e-01, 2.7231e+00],  
[7.3060e+01, 6.6988e-01, 2.1071e+00],  
[1.4803e+01, 1.4878e-02, 9.1470e-01],  
[9.9707e+00, 2.6323e-02, 7.7817e-01],  
[1.0729e+01, 2.2771e-02, 6.2407e-01],  
[8.4886e+00, 2.0260e-02, 4.3449e-01],  
[2.7916e+01, 1.7142e-01, 1.0197e+00],  
[6.5566e+00, 2.9549e-03, 4.5352e-01],  
[2.8968e+00, 1.2742e-03, 1.4077e-01],  
[1.6205e+02, 4.0088e+00, 3.4818e+00],  
[6.6779e+00, 1.0718e-02, 3.4984e-01],  
[1.7618e+02, 7.1491e-01, 3.2042e+00],  
[3.8474e+01, 1.1680e-01, 1.4147e+00],  
[6.3434e-01, 1.6977e-04, 5.8005e-02],

[2.0716e+00, 3.8111e-04, 1.3793e-01],  
 [5.6820e-02, 7.2965e-07, 7.6957e-03],  
 [2.9312e-01, 2.0634e-05, 3.9632e-02],  
 [1.9693e+01, 2.1961e-02, 1.3820e+00],  
 [1.8425e+01, 1.6865e-02, 4.8531e-01],  
 [3.6089e+00, 6.6494e-04, 1.9430e-01],  
 [3.1555e+00, 1.1479e-03, 1.6602e-01],  
 [2.1855e-01, 2.5551e-05, 2.5698e-02],  
 [7.1711e+01, 1.1758e+00, 2.7292e+00],  
 [8.5299e+01, 1.3690e+00, 2.8557e+00],  
 [3.9228e-02, 4.8558e-07, 5.2179e-03],  
 [8.3338e-01, 6.6328e-05, 5.1873e-02],  
 [1.3339e+00, 1.1622e-03, 1.4037e-01],  
 [2.1942e+01, 8.0176e-02, 1.0860e+00],  
 [1.1591e+00, 1.6663e-04, 9.6101e-02],  
 [1.0044e+02, 1.2770e+00, 2.0910e+00],  
 [6.7039e+01, 1.1818e-01, 1.5594e+00],  
 [1.5706e+02, 5.3145e+00, 3.7326e+00],  
 [6.2080e+01, 5.7195e-01, 3.0252e+00],  
 [1.0556e+02, 5.3561e-01, 2.8103e+00],  
 [2.1398e-01, 1.5289e-05, 2.1783e-02],  
 [2.1240e-01, 4.0953e-06, 2.0816e-02],  
 [3.2812e+02, 4.9526e+00, 4.6381e+00],  
 [4.0118e+00, 5.2349e-03, 4.7559e-01],  
 [9.3746e+01, 1.2566e+00, 4.0830e+00],  
 [3.5776e+00, 2.1969e-03, 2.0938e-01],  
 [2.5106e+01, 4.4938e-01, 2.1744e+00],  
 [2.1620e+00, 1.7786e-03, 1.5376e-01],  
 [1.2958e+01, 1.3517e-02, 4.5937e-01],  
 [6.2301e-01, 1.0762e-04, 8.0684e-02],  
 [1.2521e+02, 3.1297e+00, 3.8171e+00],  
 [2.0673e-01, 6.9672e-06, 2.4148e-02],  
 [2.7538e+01, 1.3060e-01, 8.5482e-01],  
 [4.5147e+01, 2.7732e-01, 2.2709e+00],  
 [1.4229e+00, 1.8267e-03, 1.3763e-01],  
 [2.2976e+01, 4.3934e-02, 5.6365e-01],  
 [7.9146e+01, 2.0995e-01, 2.2025e+00],  
 [3.9798e+00, 5.2462e-03, 2.7139e-01],  
 [4.5255e+00, 9.3149e-04, 2.0412e-01],  
 [3.2558e+01, 7.4460e-02, 2.3658e+00],  
 [1.2898e+00, 3.1505e-04, 8.5021e-02],  
 [1.5558e+01, 4.0113e-02, 9.1845e-01],  
 [4.3272e+00, 7.0998e-03, 5.0663e-01],  
 [1.0052e+00, 1.5748e-04, 8.1710e-02],  
 [1.6823e+01, 6.2052e-02, 7.4708e-01],  
 [1.1166e+01, 1.3341e-02, 6.1666e-01],  
 [1.1125e+00, 4.3303e-04, 1.0529e-01],  
 [9.5954e+00, 5.2243e-02, 7.5780e-01],

[3.6807e+01, 1.7167e-01, 8.8879e-01],  
 [8.8392e+00, 1.8671e-02, 4.6670e-01],  
 [2.7456e-01, 3.5439e-05, 2.7781e-02],  
 [1.1841e+01, 4.4650e-02, 1.2101e+00],  
 [3.6707e+00, 6.1910e-04, 1.5905e-01],  
 [5.9232e+00, 6.0316e-03, 3.8718e-01],  
 [1.7039e+02, 3.6678e+00, 4.3097e+00],  
 [1.6102e-01, 1.1584e-05, 1.7142e-02],  
 [7.0570e+01, 1.7306e+00, 2.2744e+00],  
 [1.5864e+00, 4.9336e-04, 8.7142e-02],  
 [4.7647e+00, 5.1067e-03, 3.6201e-01],  
 [3.8157e-01, 4.7045e-05, 3.8812e-02],  
 [9.7071e-01, 8.4741e-04, 1.1989e-01],  
 [1.1852e+02, 3.1559e-01, 3.1709e+00],  
 [4.4481e+01, 2.0284e-01, 1.7524e+00],  
 [1.7489e+01, 1.7095e-02, 1.2941e+00],  
 [1.0168e-02, 1.3781e-08, 1.5209e-03],  
 [5.4750e+00, 5.8428e-03, 3.0538e-01],  
 [1.2145e+01, 3.0036e-02, 6.9756e-01],  
 [1.2203e+02, 2.3465e+00, 2.8044e+00],  
 [1.0873e-01, 3.1719e-06, 1.2632e-02],  
 [8.6644e-02, 1.0159e-06, 1.1476e-02],  
 [1.8394e+01, 1.0131e-02, 9.2635e-01],  
 [1.0022e+00, 1.7637e-04, 5.8161e-02],  
 [1.3297e+00, 1.9285e-04, 8.8664e-02],  
 [3.6742e-01, 2.8620e-05, 3.0422e-02],  
 [5.9495e-01, 5.4534e-05, 5.4754e-02],  
 [4.9791e-01, 5.5445e-05, 5.0671e-02],  
 [3.0584e+01, 1.8185e-01, 1.3150e+00],  
 [1.8937e-01, 2.2849e-06, 1.8718e-02],  
 [3.3493e-01, 4.8452e-05, 3.0560e-02],  
 [1.0280e+02, 7.0003e-01, 3.0554e+00],  
 [2.6473e+00, 6.2102e-04, 1.6229e-01],  
 [3.4552e+00, 8.0096e-04, 2.5719e-01],  
 [1.5177e+00, 3.0345e-04, 1.0197e-01],  
 [9.8093e-01, 2.1777e-04, 1.0549e-01],  
 [5.5021e-01, 6.1068e-05, 5.5271e-02],  
 [1.1817e+01, 3.6584e-02, 6.3227e-01],  
 [7.8101e-02, 2.3289e-06, 9.9285e-03],  
 [6.8764e+01, 3.5929e-01, 1.4015e+00],  
 [2.8893e+00, 1.1506e-03, 2.3170e-01],  
 [1.1250e+00, 4.0737e-04, 9.0271e-02],  
 [2.7720e+00, 2.2021e-03, 2.0038e-01],  
 [1.6144e+01, 1.6706e-01, 9.5350e-01],  
 [8.4961e+01, 3.6737e-01, 1.4837e+00],  
 [1.9786e+00, 8.5495e-04, 2.5793e-01],  
 [2.3479e-01, 2.2389e-05, 2.5916e-02],  
 [3.3636e+00, 8.0306e-04, 2.2129e-01],

```

[3.6572e+01, 2.4299e-01, 9.8330e-01],
[7.2207e+00, 6.0997e-03, 4.3733e-01],
[9.1359e+00, 1.0955e-02, 4.8148e-01],
[2.4606e-02, 1.4259e-07, 3.5356e-03]], dtype=torch.float64)
Iteration: 255
Inputs: tensor([[6.3264e+20, 2.7239e+02, 1.0610e+01, 2.7292e+00],
[6.6720e+19, 3.5890e+02, 6.2666e+00, 7.2989e+00],
[5.4488e+19, 4.7068e+01, 3.0234e+00, 3.7816e+00],
...,
[3.9276e+18, 2.0108e+01, 1.7258e+01, 8.1930e+00],
[2.9492e+18, 4.4396e+02, 5.2547e+00, 4.9189e+00],
[1.6248e+20, 4.0411e+02, 2.9998e+00, 2.0835e+00]], dtype=torch.float64)
Target: tensor([[8.2937e+01, 3.6574e-01, 3.4519e+00],
[4.1407e+01, 2.2102e-01, 1.1167e+00],
[4.4232e+00, 2.0778e-03, 4.0771e-01],
[7.2486e+01, 3.1186e-01, 3.7177e+00],
[3.6855e+01, 3.5526e-01, 1.1511e+00],
[3.1420e-02, 6.5895e-07, 4.6800e-03],
[1.2010e+02, 2.1421e+00, 3.7466e+00],
[3.9863e-02, 1.6745e-06, 5.4647e-03],
[4.1189e-02, 1.5102e-06, 5.7396e-03],
[1.0942e+01, 1.6288e-02, 5.3490e-01],
[2.0589e+01, 9.3366e-03, 6.9523e-01],
[1.5388e-03, 4.8796e-10, 2.5142e-04],
[2.0277e+00, 2.6370e-04, 1.1759e-01],
[8.6542e-01, 4.1525e-04, 9.3594e-02],
[1.4187e+02, 4.3434e-01, 2.9877e+00],
[1.5559e+01, 5.4452e-03, 7.9758e-01],
[9.3796e+01, 2.8026e+00, 3.7911e+00],
[2.6309e+00, 1.2309e-03, 1.8809e-01],
[8.6518e-01, 1.4463e-04, 1.0380e-01],
[4.5583e+01, 9.5154e-01, 2.1495e+00],
[3.5599e+00, 5.2457e-04, 2.2129e-01],
[3.4734e+01, 1.9425e-01, 1.0897e+00],
[5.7161e+01, 5.2457e-01, 2.4739e+00],
[7.5461e-01, 2.0660e-04, 6.3686e-02],
[6.7810e-02, 1.2332e-06, 1.0455e-02],
[1.5040e+01, 3.0792e-02, 8.1419e-01],
[1.7000e+00, 3.0746e-03, 1.9818e-01],
[2.2704e-01, 2.5215e-05, 2.4807e-02],
[5.9078e+00, 1.0148e-02, 3.9098e-01],
[9.2730e+01, 1.4942e+00, 2.2182e+00],
[6.4566e+01, 1.0537e+00, 2.5165e+00],
[6.2398e-01, 1.1571e-04, 6.3532e-02],
[4.4160e+00, 3.2519e-04, 2.1624e-01],
[3.9737e+01, 4.9120e-01, 2.1502e+00],
[8.7096e+00, 4.4877e-03, 5.1201e-01],
[2.7799e+00, 8.5159e-04, 2.5174e-01],

```

[1.1449e+02, 6.9327e-01, 2.9912e+00],  
[8.1106e+01, 3.7627e-01, 1.5859e+00],  
[6.6333e-01, 5.3228e-05, 4.0639e-02],  
[3.7552e-01, 4.7635e-05, 3.5928e-02],  
[7.7351e+00, 2.2509e-02, 7.7460e-01],  
[3.6722e+01, 1.5603e-01, 1.6219e+00],  
[1.2499e+00, 4.3760e-04, 1.5282e-01],  
[3.8250e+00, 1.5370e-03, 3.2661e-01],  
[3.8005e+00, 3.3652e-03, 4.0223e-01],  
[2.8892e+00, 2.8331e-03, 1.9921e-01],  
[3.7948e-01, 3.4987e-05, 3.8354e-02],  
[1.9471e-01, 3.7765e-06, 2.5088e-02],  
[1.5997e+01, 1.0603e-02, 9.2849e-01],  
[7.3270e+01, 1.2449e+00, 2.5035e+00],  
[4.0776e+01, 3.2760e-01, 1.7761e+00],  
[2.4840e+01, 1.2972e-01, 1.3243e+00],  
[1.1229e+02, 5.2916e-01, 3.4196e+00],  
[2.0385e+01, 9.4575e-02, 1.0037e+00],  
[1.9805e+02, 2.9911e+00, 3.2549e+00],  
[8.8265e-03, 1.5112e-08, 1.3973e-03],  
[1.1600e-02, 5.5426e-08, 1.8072e-03],  
[4.1971e-02, 3.4778e-07, 5.9070e-03],  
[2.7613e-01, 7.5767e-06, 2.9821e-02],  
[4.6911e+01, 1.6613e-01, 1.3242e+00],  
[1.5012e-01, 1.3775e-06, 1.8705e-02],  
[6.0576e+00, 2.8759e-02, 6.5880e-01],  
[6.5605e-02, 3.1123e-06, 8.6860e-03],  
[5.9402e+01, 6.2883e-02, 1.6760e+00],  
[2.7374e+00, 9.3411e-04, 3.1467e-01],  
[6.3000e+01, 1.3619e-01, 2.6807e+00],  
[2.3824e-01, 3.1345e-05, 2.9574e-02],  
[5.8521e-01, 7.0473e-05, 7.2748e-02],  
[2.9256e-02, 5.4797e-07, 4.4788e-03],  
[3.4337e+01, 5.2377e-01, 1.3756e+00],  
[5.4636e+01, 1.2963e-01, 1.1556e+00],  
[2.6432e+00, 6.0713e-04, 1.6568e-01],  
[1.0978e-01, 1.2183e-05, 1.4603e-02],  
[7.3768e+01, 8.6386e-02, 2.1317e+00],  
[2.0459e-03, 5.1525e-10, 3.2484e-04],  
[3.7683e+01, 1.1253e-01, 1.9522e+00],  
[3.6851e+01, 1.4393e-01, 1.7281e+00],  
[2.3745e-01, 1.6327e-05, 2.5408e-02],  
[1.4086e+02, 2.7015e+00, 4.2898e+00],  
[9.3570e+01, 5.2946e-01, 3.1988e+00],  
[4.1676e+01, 4.5923e-01, 2.8365e+00],  
[3.7538e+01, 8.7336e-02, 1.0837e+00],  
[3.6722e+00, 1.4330e-03, 2.7670e-01],  
[1.3687e+02, 1.8608e+00, 4.2878e+00],



[1.8673e-01, 8.0623e-06, 2.3670e-02],  
[1.6342e-02, 4.1123e-08, 2.4924e-03],  
[1.6038e+01, 5.8583e-02, 7.6189e-01],  
[1.6525e+02, 2.7986e+00, 3.7881e+00],  
[3.4133e-03, 1.5442e-08, 5.3692e-04],  
[8.8204e+00, 1.2141e-02, 6.4126e-01],  
[3.8693e-01, 4.0381e-06, 4.0765e-02],  
[1.1215e-02, 7.9460e-08, 1.6866e-03],  
[5.6218e+01, 3.8136e-01, 1.8194e+00],  
[1.1476e+01, 3.9890e-03, 4.9195e-01],  
[1.1050e-01, 7.5782e-06, 1.3540e-02],  
[2.7007e+01, 2.6045e-01, 9.0914e-01],  
[1.1427e+02, 1.3301e-01, 2.4212e+00],  
[8.1100e+01, 1.5178e+00, 2.5734e+00],  
[2.0962e-01, 1.7070e-05, 2.7591e-02],  
[1.4341e+02, 3.9772e+00, 3.4091e+00],  
[1.0309e+00, 2.1788e-04, 9.1865e-02],  
[1.5999e+02, 4.3643e+00, 3.8181e+00],  
[5.6431e+01, 5.0199e-01, 3.1240e+00],  
[1.7892e-02, 3.5032e-08, 2.7856e-03],  
[2.2502e+00, 5.3454e-04, 1.5681e-01],  
[1.4274e+01, 5.3103e-02, 9.3615e-01],  
[2.0668e+01, 1.1948e-01, 1.8209e+00],  
[7.7732e+01, 1.1591e+00, 2.4906e+00],  
[3.7542e+01, 1.6825e-01, 1.1418e+00],  
[1.1003e+01, 1.1373e-02, 4.8867e-01],  
[6.5569e+01, 4.4425e-02, 2.1802e+00],  
[3.7804e-01, 4.5936e-06, 4.1211e-02],  
[1.2569e+02, 2.7824e+00, 3.7726e+00],  
[1.4562e+01, 4.9673e-02, 7.0026e-01],  
[4.7675e+01, 1.3940e-01, 2.5699e+00],  
[3.5932e+01, 2.8949e-01, 2.3988e+00],  
[1.2575e+00, 2.2243e-04, 7.3566e-02],  
[6.4189e+01, 1.1975e-01, 1.1754e+00],  
[1.0993e+02, 1.0114e+00, 3.4784e+00],  
[2.3088e+01, 1.5288e-01, 9.9125e-01],  
[4.0314e-01, 4.6725e-05, 4.6290e-02],  
[3.9174e-01, 9.9295e-06, 3.8579e-02],  
[1.0071e+01, 8.7926e-03, 6.6949e-01],  
[2.4253e+01, 4.7909e-01, 2.1227e+00],  
[4.5757e+00, 8.1249e-03, 2.9537e-01],  
[3.9661e+01, 7.8534e-02, 1.9343e+00],  
[4.9706e+01, 2.6792e-01, 1.5689e+00],  
[4.6852e+00, 9.1221e-03, 3.8357e-01],  
[6.5720e+00, 2.1997e-03, 3.6272e-01],  
[2.5317e+01, 6.0117e-02, 7.7182e-01],  
[2.6260e-02, 2.1665e-07, 3.6443e-03],  
[2.4824e+00, 6.0437e-03, 2.6942e-01],

[9.2897e-01, 1.6780e-04, 6.1398e-02],  
[3.7564e+01, 6.8611e-02, 1.1226e+00],  
[1.6859e-02, 4.9437e-08, 2.6140e-03],  
[2.1276e-02, 1.0961e-07, 3.1616e-03],  
[8.4019e-02, 1.2655e-06, 1.2239e-02],  
[1.7347e+01, 3.9201e-02, 5.1460e-01],  
[3.1468e+01, 1.7928e-01, 1.0971e+00],  
[1.0535e+01, 1.5705e-02, 5.3878e-01],  
[3.8493e-01, 6.0476e-05, 3.8927e-02],  
[2.9818e+01, 3.3806e-01, 2.2195e+00],  
[2.5393e+01, 1.2526e-01, 8.4994e-01],  
[6.7309e-01, 1.4885e-04, 7.1180e-02],  
[1.5052e+02, 4.5047e-01, 3.1255e+00],  
[3.3603e+00, 1.8576e-03, 2.1894e-01],  
[5.6942e-02, 8.2999e-07, 7.5201e-03],  
[6.7056e+00, 1.1107e-02, 3.6816e-01],  
[1.8495e-02, 4.9906e-07, 2.7600e-03],  
[1.4583e+01, 4.4117e-02, 8.2815e-01],  
[3.1148e+02, 6.3857e+00, 4.4193e+00],  
[1.6675e+01, 4.1347e-02, 6.9423e-01],  
[6.1253e-02, 8.5796e-07, 7.9217e-03],  
[1.3586e+02, 2.0178e+00, 4.1007e+00],  
[1.3052e+01, 2.4528e-03, 6.0569e-01],  
[9.8190e-02, 5.6353e-06, 1.2461e-02],  
[4.2801e+01, 2.8093e-01, 1.1075e+00],  
[5.1718e+00, 1.9516e-03, 2.0870e-01],  
[2.9530e+00, 1.0609e-03, 3.5319e-01],  
[1.5548e+01, 4.7923e-02, 8.1983e-01],  
[2.9606e-03, 2.7239e-09, 4.6562e-04],  
[1.5568e+00, 8.8124e-05, 1.0823e-01],  
[9.0228e+00, 1.8843e-02, 4.1472e-01],  
[5.5683e+01, 1.6884e-01, 3.1220e+00],  
[1.7003e-01, 4.8897e-06, 2.4807e-02],  
[8.0568e-01, 1.7668e-04, 7.2376e-02],  
[8.4332e+00, 2.8994e-03, 8.4199e-01],  
[7.9265e+01, 3.4935e-01, 2.1618e+00],  
[5.7694e+01, 4.9184e-02, 1.6522e+00],  
[1.1687e+00, 5.1561e-04, 1.0019e-01],  
[2.3779e-03, 1.9837e-09, 3.8020e-04],  
[1.0387e+00, 1.3494e-04, 7.0868e-02],  
[2.5629e+02, 2.2824e+00, 5.0456e+00],  
[2.1876e+01, 1.3028e-01, 7.9597e-01],  
[8.1218e+00, 1.1483e-02, 4.8416e-01],  
[2.1080e-01, 7.3939e-06, 2.4318e-02],  
[4.9700e-02, 9.3870e-07, 7.0467e-03],  
[3.0901e+01, 4.3160e-02, 1.3762e+00],  
[6.0559e+00, 2.3205e-03, 6.9951e-01],  
[2.8441e+01, 1.5335e-02, 9.5126e-01],

[5.7112e-01, 2.4979e-04, 6.4967e-02],  
[1.2228e+00, 2.9761e-04, 8.9558e-02],  
[5.7318e+01, 6.1714e-01, 1.9662e+00],  
[1.5918e-02, 4.9179e-08, 2.3352e-03],  
[9.5180e-02, 2.5878e-06, 1.1314e-02],  
[2.4304e+02, 1.0401e+01, 4.1685e+00],  
[2.3754e+01, 1.8635e-01, 1.1585e+00],  
[4.7278e+00, 8.0402e-03, 3.1543e-01],  
[2.9720e+01, 1.4642e-01, 9.6584e-01],  
[2.0055e-02, 2.7559e-07, 3.0581e-03],  
[3.0977e+00, 4.1526e-04, 2.7885e-01],  
[1.5624e+00, 7.5621e-04, 1.0690e-01],  
[2.9308e+01, 6.6313e-02, 6.8813e-01],  
[6.7215e+01, 6.1969e-01, 1.2874e+00],  
[3.6541e-01, 2.9292e-05, 3.0480e-02],  
[3.3246e+01, 4.1403e-01, 1.8296e+00],  
[5.1133e+01, 9.8279e-01, 3.2944e+00],  
[1.9691e+00, 7.9006e-04, 1.4752e-01],  
[1.5003e+01, 3.2987e-02, 5.3892e-01],  
[1.2631e-01, 2.0342e-06, 1.7948e-02],  
[6.8936e-02, 1.6446e-06, 9.4451e-03],  
[4.2824e+01, 4.9123e-01, 1.9507e+00],  
[4.4475e-01, 1.9025e-05, 4.3136e-02],  
[1.2623e-01, 2.9330e-06, 1.4828e-02],  
[1.6822e+02, 2.9935e+00, 4.7923e+00],  
[7.8945e+00, 6.7985e-02, 9.1034e-01],  
[3.5182e+01, 3.7797e-01, 1.5776e+00],  
[2.9312e+00, 1.0082e-03, 2.4137e-01],  
[8.7918e-02, 1.1227e-05, 1.2656e-02],  
[7.8343e+00, 3.0691e-02, 5.3472e-01],  
[5.2020e-02, 2.6638e-06, 6.8192e-03],  
[2.0190e+00, 5.5682e-04, 1.3096e-01],  
[2.7253e-03, 2.8194e-09, 4.4036e-04],  
[2.0817e+01, 8.3775e-02, 9.7963e-01],  
[1.4848e-01, 1.1756e-06, 1.8885e-02],  
[3.3363e+00, 2.0176e-03, 2.2402e-01],  
[3.1210e+00, 5.2595e-04, 2.5444e-01],  
[8.0368e-02, 4.6402e-06, 1.0168e-02],  
[5.3891e+00, 3.8341e-04, 3.3294e-01],  
[1.5311e+02, 5.7718e+00, 3.6093e+00],  
[1.3256e+01, 2.6148e-02, 5.9640e-01],  
[2.3415e+00, 1.5828e-04, 2.4495e-01],  
[4.1560e+01, 3.6812e-01, 1.9323e+00],  
[2.9570e+01, 8.5686e-02, 1.3614e+00],  
[2.8480e+01, 1.1808e-01, 9.7247e-01],  
[1.8862e+01, 1.1402e-01, 1.5880e+00],  
[1.2010e+00, 3.5161e-04, 9.0164e-02],  
[3.7815e-01, 2.5317e-05, 3.5299e-02],

[1.0871e+01, 4.6001e-02, 6.1021e-01],  
[1.3291e+01, 7.0809e-03, 5.8318e-01],  
[3.3071e+01, 1.0583e-01, 1.3041e+00],  
[5.0397e-03, 8.3765e-09, 8.0501e-04],  
[1.7139e+00, 4.4369e-04, 9.4064e-02],  
[3.3278e+01, 6.8988e-02, 1.8710e+00],  
[3.8513e+01, 4.7105e-01, 1.4771e+00],  
[7.8452e+01, 1.7308e+00, 2.2737e+00],  
[1.0846e+00, 3.3080e-04, 7.6556e-02],  
[1.8895e+00, 2.5133e-04, 1.5322e-01],  
[6.7806e+00, 2.8820e-02, 5.1854e-01],  
[7.8290e-02, 1.0613e-06, 1.1763e-02],  
[3.0693e+01, 2.4192e-01, 1.3054e+00],  
[6.0343e-01, 1.9510e-05, 5.7108e-02],  
[1.1397e-01, 3.1938e-06, 1.5761e-02],  
[1.7622e+01, 1.4217e-02, 7.0009e-01],  
[6.6373e+01, 4.6538e-01, 1.5413e+00],  
[5.8833e+00, 1.0038e-02, 2.9377e-01],  
[2.8614e+00, 1.2491e-03, 2.2953e-01],  
[7.5704e-02, 3.1001e-06, 9.2850e-03],  
[4.2170e+00, 5.8214e-04, 2.0209e-01],  
[6.4450e+00, 1.3098e-02, 4.0943e-01],  
[1.0049e+02, 1.1321e+00, 3.0375e+00],  
[3.5773e+01, 4.9488e-01, 1.3004e+00],  
[4.5901e+01, 4.5403e-01, 1.2164e+00],  
[1.0710e+02, 2.6800e-02, 2.6166e+00],  
[2.0080e-01, 2.7393e-05, 2.5810e-02],  
[7.1253e-01, 2.0336e-04, 9.1834e-02],  
[3.0965e+01, 5.6081e-02, 1.3998e+00],  
[1.3373e-01, 3.7123e-06, 1.6555e-02],  
[8.2112e-01, 1.5763e-05, 6.3494e-02],  
[3.1006e+01, 9.3471e-02, 1.0688e+00],  
[1.1422e+00, 7.5450e-04, 1.3385e-01],  
[8.1947e+00, 8.1981e-03, 5.0750e-01],  
[1.5115e+02, 4.3970e+00, 3.6657e+00],  
[2.1280e+00, 1.7211e-03, 1.5380e-01],  
[5.7316e+00, 1.5225e-03, 3.8286e-01],  
[1.1103e+01, 3.7791e-02, 7.6038e-01],  
[3.4831e-01, 3.9391e-05, 4.0478e-02],  
[3.4541e-02, 1.2136e-06, 5.0330e-03],  
[7.2887e+00, 1.3858e-02, 5.2360e-01],  
[4.3843e+00, 1.7082e-03, 2.8979e-01],  
[9.1325e-01, 9.5158e-05, 6.5723e-02],  
[6.4211e+01, 6.5080e-01, 1.6425e+00],  
[2.9908e+00, 4.2796e-03, 2.4938e-01],  
[7.3361e+01, 6.5673e-01, 2.6836e+00],  
[5.8939e+00, 2.2889e-03, 4.2669e-01],  
[3.9454e-01, 2.4373e-05, 3.1933e-02],

```

[2.2470e+01, 1.2593e-01, 1.0526e+00],
[1.0005e+02, 5.5455e-01, 3.5125e+00],
[1.4817e+02, 6.9066e-01, 4.2000e+00],
[1.7952e+00, 3.8243e-04, 1.9601e-01],
[3.7455e+00, 2.5624e-03, 2.3472e-01],
[5.7312e-01, 5.2520e-05, 5.7990e-02],
[2.2383e+02, 2.5035e+00, 3.9042e+00],
[1.2574e-02, 1.5823e-08, 1.9939e-03],
[1.0429e-01, 2.0315e-06, 1.3515e-02],
[5.6427e-02, 5.3687e-07, 8.2902e-03],
[1.5108e-02, 1.0637e-07, 2.2211e-03],
[9.0899e+00, 5.8546e-03, 5.9050e-01],
[6.0633e+00, 3.5083e-03, 2.1642e-01],
[2.4561e+01, 2.7104e-02, 1.2213e+00],
[7.8307e-01, 1.1100e-04, 5.8354e-02],
[2.6911e+00, 1.6183e-03, 2.4043e-01],
[2.7361e+00, 1.8761e-03, 1.8828e-01],
[8.8531e+00, 4.9650e-02, 7.4159e-01],
[1.1961e-01, 9.9630e-06, 1.4378e-02],
[4.8830e+00, 2.2543e-03, 2.3632e-01],
[5.6403e+01, 3.4124e-01, 2.8355e+00],
[2.4613e+02, 2.5688e+00, 4.6249e+00],
[6.5263e+01, 5.6709e-01, 1.3609e+00],
[7.3539e-01, 1.2356e-04, 7.9692e-02],
[1.2588e+00, 4.1159e-04, 1.3025e-01],
[2.5225e+02, 5.0622e+00, 5.1100e+00],
[1.5621e+01, 5.8012e-03, 6.9837e-01],
[3.5459e+01, 8.7980e-02, 1.1574e+00],
[1.8340e-02, 1.2242e-07, 2.6776e-03],
[4.0906e-01, 9.0031e-06, 4.2877e-02],
[2.5748e+01, 3.1541e-02, 1.4443e+00],
[5.5773e+01, 1.3031e-01, 1.1775e+00],
[1.0353e+02, 1.8810e+00, 3.7178e+00],
[2.4385e+01, 1.7270e-01, 1.7077e+00],
[6.3180e+01, 1.0925e+00, 1.9142e+00],
[6.5336e+01, 7.9284e-01, 2.0534e+00],
[3.6921e-01, 5.7565e-05, 4.4116e-02],
[2.1495e+01, 1.9533e-01, 9.6948e-01],
[2.5277e+00, 2.8604e-04, 2.1201e-01],
[2.7370e+01, 1.0608e-01, 1.3024e+00],
[1.3622e+00, 2.4186e-04, 8.2106e-02],
[4.0276e-03, 2.7074e-08, 6.4593e-04],
[1.2829e+00, 1.3121e-04, 8.5285e-02],
[7.1030e+01, 6.3978e-02, 1.8652e+00]], dtype=torch.float64)

```

Iteration: 256

```

Inputs: tensor([[2.8683e+18, 5.7778e+01, 6.3933e+00, 4.7962e+00],
               [4.5748e+20, 4.9635e+02, 3.7625e+00, 3.9001e+00],
               [6.9483e+19, 3.7443e+02, 1.2143e+01, 5.9831e+00],

```

```

...,
[1.0264e+18, 4.2782e+02, 1.7314e+01, 2.1509e+00],
[8.1433e+20, 2.8525e+02, 1.1343e+01, 2.3670e+00],
[2.0018e+18, 3.4197e+02, 1.6377e+01, 1.0631e+00]], dtype=torch.float64)
Target: tensor([[3.3003e-02, 3.6298e-07, 4.8352e-03],
[1.8487e+02, 1.0703e+00, 3.4071e+00],
[3.1182e+01, 1.5395e-01, 1.0821e+00],
[2.4919e+00, 5.5039e-04, 2.7534e-01],
[7.6770e-02, 2.7456e-06, 9.2356e-03],
[2.3040e+01, 5.1328e-02, 6.7770e-01],
[3.8574e+01, 2.8012e-01, 2.1359e+00],
[4.2371e+00, 7.8548e-03, 2.5361e-01],
[8.4485e+01, 6.8121e-01, 2.4040e+00],
[3.6614e+00, 2.5579e-03, 2.2060e-01],
[1.5667e-01, 4.6775e-06, 1.7331e-02],
[1.0482e+00, 7.5853e-04, 9.3914e-02],
[1.9223e+00, 2.7967e-04, 1.6107e-01],
[1.7939e+01, 7.5169e-02, 7.0596e-01],
[1.8409e+02, 1.3517e+00, 4.6831e+00],
[5.6779e-01, 7.3879e-05, 7.8666e-02],
[3.0621e+00, 1.2509e-03, 2.4669e-01],
[1.8820e-01, 8.4445e-06, 2.0968e-02],
[2.4766e+01, 2.7469e-01, 2.1009e+00],
[3.2389e+00, 5.5779e-04, 2.5619e-01],
[1.4240e+00, 1.9908e-03, 1.7416e-01],
[4.3391e-01, 1.0033e-04, 4.6739e-02],
[4.3488e-02, 3.0030e-07, 6.1932e-03],
[9.7403e+01, 2.0038e+00, 3.7092e+00],
[1.1037e+01, 2.4344e-02, 5.4264e-01],
[4.0755e+01, 2.0266e-01, 1.2146e+00],
[6.3107e+01, 3.6306e-01, 1.6964e+00],
[1.0347e-01, 2.4451e-06, 1.2716e-02],
[3.9806e-03, 6.6716e-09, 6.1958e-04],
[6.4270e+01, 2.9320e-01, 1.8399e+00],
[4.1781e-02, 2.5397e-06, 5.9450e-03],
[2.6288e-03, 1.3469e-09, 4.1539e-04],
[1.0991e+00, 5.5424e-04, 1.1277e-01],
[1.0230e+02, 5.8647e-02, 3.4263e+00],
[1.1702e+01, 5.9685e-03, 4.1312e-01],
[4.1900e-01, 6.1250e-06, 3.1406e-02],
[5.2362e+01, 1.2601e-01, 2.6174e+00],
[2.9780e+02, 1.3799e+00, 4.5129e+00],
[5.2924e-01, 1.6688e-04, 4.7558e-02],
[5.2102e+00, 1.6517e-03, 4.4145e-01],
[1.3458e+02, 5.8656e-01, 2.8847e+00],
[9.9818e+01, 2.1910e+00, 3.3305e+00],
[7.8698e-01, 3.1768e-05, 1.0089e-01],
[4.7390e+00, 1.3187e-03, 1.8069e-01],

```

[1.2978e-01, 4.8231e-06, 1.5738e-02],  
[1.8238e+01, 2.9189e-02, 1.2711e+00],  
[1.3333e+01, 3.9880e-02, 1.1283e+00],  
[7.4171e-01, 3.9506e-04, 8.8042e-02],  
[1.4923e+02, 1.7200e+00, 2.4558e+00],  
[4.0844e+00, 5.8474e-03, 5.0209e-01],  
[2.1859e+00, 1.0795e-03, 1.7384e-01],  
[1.6299e+00, 2.2434e-04, 1.1515e-01],  
[1.3336e+00, 6.2838e-05, 1.4920e-01],  
[1.3678e+01, 8.4808e-03, 5.5089e-01],  
[9.4531e+01, 7.7494e-01, 3.8080e+00],  
[5.0281e+01, 1.6653e-01, 2.3870e+00],  
[1.1887e+00, 1.2829e-04, 9.2074e-02],  
[3.3777e+01, 3.4434e-01, 2.4790e+00],  
[2.0485e-01, 9.8018e-06, 1.9705e-02],  
[5.4070e+01, 1.9048e-01, 2.1290e+00],  
[2.9322e-02, 1.6415e-07, 4.4282e-03],  
[1.7836e-01, 1.3332e-05, 2.2527e-02],  
[1.7745e-03, 1.0389e-09, 2.8265e-04],  
[2.3603e+01, 6.9594e-02, 8.9619e-01],  
[3.3565e+01, 5.7339e-02, 1.3150e+00],  
[1.8989e+00, 1.1652e-03, 1.4783e-01],  
[9.8247e-02, 4.0498e-06, 1.2725e-02],  
[4.5047e+01, 7.5950e-02, 2.0410e+00],  
[3.7664e-01, 2.9187e-05, 3.2374e-02],  
[1.5216e+01, 2.9331e-02, 9.4390e-01],  
[7.5767e-01, 1.9954e-04, 9.0697e-02],  
[1.0804e+02, 2.4874e+00, 3.6559e+00],  
[3.5363e+01, 8.4920e-02, 1.4273e+00],  
[4.3815e+00, 2.9944e-03, 4.4829e-01],  
[1.4161e+02, 6.2442e+00, 3.8797e+00],  
[1.0489e+02, 2.0250e+00, 2.3720e+00],  
[9.4256e+01, 1.5188e+00, 2.0452e+00],  
[4.2030e+01, 3.9693e-01, 1.0938e+00],  
[1.0234e+02, 9.7221e-01, 3.4689e+00],  
[1.8093e-01, 3.0944e-05, 2.2520e-02],  
[2.8809e+01, 5.0237e-02, 6.7309e-01],  
[3.4438e+01, 1.2394e-01, 9.8995e-01],  
[2.8860e-01, 1.3246e-05, 3.0242e-02],  
[6.4638e+00, 1.3764e-02, 3.5248e-01],  
[1.8252e+00, 1.7454e-04, 1.8604e-01],  
[2.6506e-02, 2.9032e-07, 3.8278e-03],  
[5.6529e+01, 5.3457e-01, 1.3759e+00],  
[1.9841e+01, 5.0255e-02, 1.6454e+00],  
[5.9995e+00, 3.4103e-03, 3.2861e-01],  
[1.4222e-03, 1.4850e-09, 2.2861e-04],  
[1.0468e+02, 3.5628e-01, 3.3502e+00],  
[6.1781e+01, 8.4682e-01, 3.1894e+00],

[2.3782e+02, 1.5644e+00, 4.6033e+00],  
 [7.1968e+01, 6.0396e-01, 2.5356e+00],  
 [1.1267e+01, 4.2021e-02, 8.3308e-01],  
 [8.2461e-02, 8.0682e-07, 1.1328e-02],  
 [2.4467e+01, 4.3876e-02, 1.2623e+00],  
 [1.9095e-01, 4.0098e-05, 2.7307e-02],  
 [4.9005e+01, 3.4923e-01, 1.2243e+00],  
 [9.5363e-02, 1.8956e-05, 1.3964e-02],  
 [2.7083e+00, 8.5720e-04, 2.1419e-01],  
 [6.5381e+01, 4.9239e-01, 3.1590e+00],  
 [1.0638e+00, 2.4192e-04, 7.5457e-02],  
 [1.1841e+02, 4.8491e-01, 3.4341e+00],  
 [6.9437e-01, 2.0842e-05, 6.8424e-02],  
 [3.9296e+01, 9.4095e-02, 1.1767e+00],  
 [7.0741e+01, 2.1575e-01, 1.2739e+00],  
 [1.2168e+02, 2.7018e+00, 2.9263e+00],  
 [6.3816e+00, 1.3556e-02, 3.3969e-01],  
 [1.4951e+01, 2.0447e-02, 8.9994e-01],  
 [9.1084e-02, 4.6959e-06, 1.1360e-02],  
 [1.2097e+00, 1.5907e-04, 1.2400e-01],  
 [4.7802e-01, 3.0596e-05, 5.0036e-02],  
 [1.4008e+00, 1.3603e-04, 8.6473e-02],  
 [8.4050e+00, 1.3555e-02, 7.0901e-01],  
 [3.7659e-01, 5.3611e-05, 4.5206e-02],  
 [4.8847e+01, 1.3150e-01, 2.0534e+00],  
 [1.8918e+02, 5.9298e+00, 3.9414e+00],  
 [3.9629e-01, 8.9400e-05, 4.4035e-02],  
 [4.2252e+01, 5.3861e-01, 1.7979e+00],  
 [3.1702e+00, 6.9299e-04, 4.0807e-01],  
 [1.6821e+01, 1.3228e-01, 1.0013e+00],  
 [4.2114e+01, 1.3823e-01, 9.1185e-01],  
 [5.7762e+01, 1.1204e+00, 2.8561e+00],  
 [6.7498e-01, 1.8453e-05, 4.7757e-02],  
 [1.5180e-01, 8.0171e-06, 1.6565e-02],  
 [1.6347e+00, 2.3929e-04, 8.3961e-02],  
 [1.9969e+01, 4.6609e-02, 1.8321e+00],  
 [5.7217e+00, 5.0674e-03, 4.3650e-01],  
 [1.3829e+02, 1.0069e+00, 2.6218e+00],  
 [2.0399e+01, 1.3990e-01, 1.5329e+00],  
 [4.4991e-01, 8.8185e-05, 6.0950e-02],  
 [1.2553e+02, 1.2864e+00, 2.4671e+00],  
 [1.9420e-01, 2.6461e-05, 2.0809e-02],  
 [1.4363e-01, 4.7041e-06, 2.0906e-02],  
 [5.3925e+01, 1.2972e-01, 1.3721e+00],  
 [1.2510e+01, 5.4996e-02, 9.1039e-01],  
 [1.5771e+00, 4.3006e-04, 1.1434e-01],  
 [4.5732e+01, 2.9199e-02, 2.1897e+00],  
 [3.3208e+00, 1.9173e-03, 3.6494e-01],



[2.0333e+01, 1.1314e-01, 1.2439e+00],  
 [9.8356e+00, 2.7062e-02, 5.3544e-01],  
 [1.8778e+01, 6.6084e-02, 6.1111e-01],  
 [9.2009e-02, 3.4258e-06, 1.1669e-02],  
 [5.6079e-01, 3.8083e-05, 4.5845e-02],  
 [3.6920e+01, 3.0905e-01, 2.3302e+00],  
 [5.9731e+00, 7.2640e-03, 7.3906e-01],  
 [2.5189e+00, 4.0858e-03, 2.3755e-01],  
 [1.0701e+00, 1.6560e-04, 8.4316e-02],  
 [3.9972e+01, 9.1471e-02, 1.1925e+00],  
 [1.4734e+00, 5.6179e-04, 1.1370e-01],  
 [1.8832e+01, 7.1196e-02, 7.0777e-01],  
 [1.9310e+02, 1.1840e+01, 4.4408e+00],  
 [1.8314e+02, 4.8402e+00, 3.5869e+00],  
 [1.0663e+01, 2.3646e-02, 5.2750e-01],  
 [3.8438e+00, 1.6681e-03, 2.4739e-01],  
 [1.6609e+00, 1.2420e-03, 1.4573e-01],  
 [5.3180e+00, 4.2888e-03, 3.6272e-01],  
 [1.2525e-03, 3.6311e-10, 2.0439e-04],  
 [4.1545e-01, 2.4033e-05, 4.4751e-02],  
 [5.0606e+01, 6.9481e-01, 1.7764e+00],  
 [3.8861e+01, 3.8723e-01, 1.1334e+00],  
 [8.1826e-01, 1.3310e-04, 7.3840e-02],  
 [4.1612e+00, 6.5514e-03, 2.4640e-01],  
 [9.5750e+00, 2.0091e-02, 6.0393e-01],  
 [5.8259e-02, 2.3789e-06, 8.2414e-03],  
 [1.2296e+02, 9.2974e-01, 2.6418e+00],  
 [1.6440e-01, 1.3276e-05, 2.2550e-02],  
 [4.7417e+01, 2.8879e-01, 1.7966e+00],  
 [1.2521e+00, 9.3778e-05, 8.9888e-02],  
 [9.7124e-01, 2.8597e-04, 6.7321e-02],  
 [1.5985e+00, 1.9153e-04, 1.3467e-01],  
 [2.9956e+00, 1.3940e-03, 2.2797e-01],  
 [2.5683e+00, 2.0822e-03, 2.0572e-01],  
 [7.8156e-02, 1.0522e-05, 1.1310e-02],  
 [2.1970e+00, 1.5359e-03, 1.6664e-01],  
 [5.6186e+01, 1.6033e-01, 1.0972e+00],  
 [1.9348e+01, 2.0918e-02, 1.3452e+00],  
 [5.6399e-02, 1.7635e-06, 7.2277e-03],  
 [1.0260e+00, 3.0026e-04, 7.0976e-02],  
 [1.0289e+00, 7.0507e-05, 7.7502e-02],  
 [2.6772e+00, 1.0698e-03, 2.2009e-01],  
 [9.1007e+00, 1.0305e-02, 6.0918e-01],  
 [4.4932e+00, 9.3215e-03, 3.1962e-01],  
 [3.1775e-02, 1.1673e-07, 4.5107e-03],  
 [6.1590e-01, 7.6048e-05, 6.2849e-02],  
 [3.2995e+00, 1.7101e-03, 3.7392e-01],  
 [3.3021e-01, 3.2622e-06, 4.3030e-02],

[3.1962e-02, 9.3691e-08, 4.4425e-03],  
 [8.8523e-02, 1.0077e-05, 1.3236e-02],  
 [7.9805e-01, 6.5786e-05, 9.3779e-02],  
 [1.9954e-03, 4.2403e-10, 3.1894e-04],  
 [1.7538e-02, 1.6539e-07, 2.5508e-03],  
 [1.1473e+01, 3.0015e-02, 6.3804e-01],  
 [3.3895e+01, 1.6566e-01, 1.3349e+00],  
 [1.8247e+00, 9.9781e-04, 1.4055e-01],  
 [4.2477e+01, 8.7742e-02, 1.4722e+00],  
 [8.8155e+00, 1.3673e-02, 4.4216e-01],  
 [7.0866e+00, 5.6404e-03, 3.6939e-01],  
 [2.2430e-01, 1.2321e-05, 2.0755e-02],  
 [6.8566e+01, 1.1608e-01, 1.6531e+00],  
 [2.6772e+01, 2.7662e-02, 1.0425e+00],  
 [3.2072e-01, 7.3510e-05, 3.3192e-02],  
 [1.8688e+01, 4.3032e-02, 6.7786e-01],  
 [3.1278e+01, 4.8136e-02, 2.2639e+00],  
 [2.5201e+00, 9.8772e-04, 2.5401e-01],  
 [1.8232e+00, 2.6161e-04, 2.0716e-01],  
 [4.4936e-01, 1.3626e-04, 5.4412e-02],  
 [1.0721e+02, 3.6888e-01, 3.9469e+00],  
 [1.1254e+01, 2.2914e-02, 4.9046e-01],  
 [1.8155e+02, 8.9885e+00, 3.8785e+00],  
 [5.7881e+01, 2.5649e-01, 2.0334e+00],  
 [1.0390e-02, 4.6935e-08, 1.5980e-03],  
 [2.7148e+02, 6.7065e+00, 4.7341e+00],  
 [1.4716e+02, 3.2140e+00, 4.4622e+00],  
 [2.1086e-01, 1.8780e-05, 2.1474e-02],  
 [8.5141e+00, 4.7434e-03, 9.2732e-01],  
 [2.1916e+02, 3.0023e+00, 3.7528e+00],  
 [1.6175e-01, 1.3997e-05, 1.8673e-02],  
 [1.4177e+00, 5.4414e-04, 1.1203e-01],  
 [2.8754e+00, 1.0727e-03, 1.6007e-01],  
 [1.7139e+00, 2.1453e-04, 1.2623e-01],  
 [6.7353e-04, 1.4640e-10, 1.0961e-04],  
 [2.8180e-01, 9.0786e-05, 3.5166e-02],  
 [7.8942e+00, 1.0877e-02, 4.6876e-01],  
 [4.9440e+01, 5.1657e-01, 1.2764e+00],  
 [1.0818e+02, 2.5058e+00, 4.2303e+00],  
 [1.7945e+02, 6.0553e+00, 3.8312e+00],  
 [2.3286e+00, 3.5739e-03, 2.5821e-01],  
 [3.1362e+01, 1.7948e-02, 1.5742e+00],  
 [1.9398e+01, 1.3306e-01, 7.2264e-01],  
 [7.5616e+01, 1.1611e+00, 1.6925e+00],  
 [4.7056e+00, 3.1696e-03, 3.2971e-01],  
 [2.6372e+00, 6.5311e-03, 2.8527e-01],  
 [4.4745e+00, 3.8953e-03, 2.2909e-01],  
 [2.0196e-01, 2.0323e-06, 2.0796e-02],

[2.2519e+01, 3.5676e-02, 1.0570e+00],  
[9.5734e+00, 5.6123e-02, 1.0129e+00],  
[1.7100e+00, 3.5252e-05, 1.6423e-01],  
[1.1197e+02, 2.6534e+00, 2.3369e+00],  
[3.8250e+01, 3.9771e-01, 1.5817e+00],  
[6.3641e+00, 2.1245e-02, 4.0717e-01],  
[2.1011e+02, 6.6334e+00, 4.8736e+00],  
[8.1415e-02, 1.0208e-06, 1.1128e-02],  
[1.8075e+01, 8.4598e-02, 9.0829e-01],  
[2.3528e+00, 1.3550e-03, 1.6136e-01],  
[1.0502e-01, 4.7217e-06, 1.2803e-02],  
[5.5880e+01, 5.1875e-01, 2.1124e+00],  
[5.5128e+01, 1.8765e-01, 1.6606e+00],  
[1.8873e-02, 2.4823e-07, 2.8224e-03],  
[7.2718e+00, 6.2892e-03, 5.1930e-01],  
[9.3524e-04, 4.3898e-10, 1.5177e-04],  
[5.5128e+00, 2.3749e-03, 6.0617e-01],  
[5.1460e+01, 1.6129e-02, 1.2607e+00],  
[1.6731e+00, 5.5592e-04, 1.6816e-01],  
[2.5750e-01, 1.4632e-05, 2.5901e-02],  
[1.5500e-01, 3.4488e-06, 1.8022e-02],  
[2.0804e+00, 1.3130e-03, 1.6370e-01],  
[8.1685e+01, 6.2453e-01, 1.8348e+00],  
[7.7267e+01, 1.0542e+00, 1.9506e+00],  
[4.9437e+01, 3.3056e-01, 1.6625e+00],  
[5.5542e-02, 1.8977e-06, 7.3017e-03],  
[4.4005e-02, 1.9024e-07, 6.3418e-03],  
[1.5449e+01, 5.7549e-02, 1.2817e+00],  
[1.9596e+02, 3.2770e-01, 4.3021e+00],  
[6.2071e+00, 1.3849e-02, 4.1711e-01],  
[5.3688e-01, 1.0536e-04, 6.4877e-02],  
[3.1247e+01, 2.2038e-01, 1.9441e+00],  
[2.4803e+01, 9.6720e-02, 1.0285e+00],  
[7.0995e+01, 6.7029e-02, 1.7766e+00],  
[4.8468e+01, 4.2117e-01, 2.3957e+00],  
[8.3640e+00, 6.4869e-04, 4.0418e-01],  
[3.4767e+01, 2.2042e-01, 1.0022e+00],  
[6.0581e-01, 1.2812e-04, 7.0813e-02],  
[3.3328e-01, 3.4015e-05, 3.3008e-02],  
[3.0591e-01, 7.7149e-06, 3.0419e-02],  
[6.4141e+01, 9.7211e-01, 2.1157e+00],  
[1.4452e+02, 2.9105e+00, 3.2329e+00],  
[4.8808e+00, 1.6285e-03, 4.2452e-01],  
[2.2079e+01, 6.5547e-03, 1.0167e+00],  
[2.7694e+02, 1.4027e+00, 4.0608e+00],  
[1.4692e+02, 2.2452e+00, 3.9143e+00],  
[5.7888e+01, 1.9277e-01, 1.8896e+00],  
[5.9706e+00, 1.2553e-02, 6.3803e-01],

```

[1.3862e+02, 8.6454e-01, 3.0775e+00],
[8.8071e+00, 5.1507e-04, 4.4020e-01],
[2.5112e+00, 1.2869e-03, 1.7881e-01],
[1.0134e+01, 1.3263e-03, 5.1844e-01],
[1.9043e+01, 1.5606e-02, 7.5089e-01],
[9.0498e+01, 6.6614e-01, 2.5849e+00],
[8.2879e+00, 4.4571e-02, 6.2844e-01],
[6.6248e-03, 1.1073e-08, 1.0531e-03],
[1.0127e+00, 1.7620e-04, 6.5070e-02],
[1.5570e-01, 1.1076e-05, 2.0278e-02],
[1.1483e+02, 3.8150e+00, 4.4382e+00],
[2.5931e-01, 1.4212e-05, 2.6089e-02],
[3.8248e+00, 1.8565e-03, 2.1913e-01],
[8.1764e+01, 3.0418e-02, 1.8629e+00],
[5.6322e+01, 1.4683e-01, 1.4512e+00],
[2.9207e+01, 1.6737e-01, 1.0992e+00],
[5.7097e+01, 1.7435e-01, 2.2488e+00],
[1.9778e-01, 3.0430e-05, 2.2770e-02],
[2.4901e-01, 3.9220e-05, 3.1394e-02],
[2.0177e+01, 1.0182e-01, 7.7708e-01],
[6.9168e+01, 3.3018e-01, 2.3790e+00],
[9.7751e-01, 1.2155e-04, 1.0326e-01],
[1.9389e+00, 7.0186e-04, 1.0681e-01],
[4.9281e-01, 1.0827e-04, 4.8172e-02],
[5.8260e-02, 2.9864e-06, 7.4208e-03],
[4.1221e+00, 2.9342e-03, 2.3703e-01],
[3.5378e+01, 2.5027e-01, 1.5793e+00],
[9.1552e-01, 1.0990e-04, 1.1714e-01],
[5.7039e+01, 6.7708e-01, 3.1910e+00],
[1.3109e+02, 2.9445e+00, 3.9821e+00],
[5.0807e+01, 3.6007e-01, 3.0794e+00],
[7.7965e-02, 5.1725e-06, 1.0300e-02],
[1.9132e+01, 9.8433e-02, 6.5665e-01],
[2.0813e-02, 1.0160e-07, 2.9508e-03],
[8.9706e+01, 3.8949e-01, 3.8809e+00],
[1.3297e-02, 2.1494e-08, 2.0170e-03]], dtype=torch.float64)
Iteration: 257
Inputs: tensor([[1.1752e+19, 4.4258e+02, 5.8298e+00, 7.1466e+00],
[1.1201e+18, 3.8866e+02, 1.1112e+01, 5.0444e+00],
[2.8442e+19, 2.8667e+02, 8.9752e+00, 5.1595e+00],
...,
[2.1317e+18, 4.7215e+02, 1.0501e+01, 5.2926e+00],
[4.8262e+18, 1.8509e+02, 8.3049e+00, 7.2741e+00],
[1.5459e+20, 4.3103e+02, 2.0289e+00, 6.6699e+00]], dtype=torch.float64)
Target: tensor([[8.2511e+00, 7.3530e-03, 3.3320e-01],
[1.3336e-01, 4.7562e-06, 1.4616e-02],
[1.0670e+01, 1.3800e-02, 5.3900e-01],
[2.8963e+01, 7.4152e-02, 1.1649e+00],

```

[3.0098e-01, 1.5386e-05, 2.9246e-02],  
[1.9301e-01, 9.7961e-06, 2.1867e-02],  
[9.7696e-01, 9.5458e-05, 6.8240e-02],  
[6.4205e+00, 8.2985e-03, 4.3757e-01],  
[3.1155e+02, 8.1128e+00, 4.5808e+00],  
[4.2350e-01, 1.5789e-04, 4.9746e-02],  
[4.0324e+01, 2.4069e-01, 1.9183e+00],  
[2.1243e-02, 3.0879e-07, 3.1482e-03],  
[2.2732e-01, 2.7257e-05, 2.2855e-02],  
[9.4484e+00, 4.6368e-02, 1.0645e+00],  
[1.0828e-01, 1.1403e-05, 1.4531e-02],  
[1.5955e+01, 1.1763e-02, 1.2281e+00],  
[5.1540e+01, 8.6553e-02, 2.1402e+00],  
[4.4923e-01, 9.1259e-06, 4.5176e-02],  
[4.0993e+01, 2.6886e-01, 1.2325e+00],  
[1.0710e-01, 1.2486e-05, 1.3574e-02],  
[7.6866e-01, 5.1134e-04, 8.1407e-02],  
[6.2740e+01, 2.6874e-01, 2.3041e+00],  
[5.7715e-03, 3.8119e-08, 9.0002e-04],  
[2.4438e-01, 3.8977e-05, 3.0961e-02],  
[1.4785e+00, 1.4435e-04, 1.6708e-01],  
[3.1956e+00, 1.0675e-03, 1.5896e-01],  
[4.1897e+00, 4.0252e-03, 3.0735e-01],  
[1.3608e+00, 1.0163e-03, 1.1818e-01],  
[4.2143e+00, 3.0295e-03, 3.8237e-01],  
[1.6981e+01, 1.3360e-01, 1.2421e+00],  
[1.0449e+00, 2.6383e-04, 8.4341e-02],  
[3.3380e+00, 7.1153e-04, 2.4338e-01],  
[2.1869e+02, 5.3065e+00, 4.7151e+00],  
[3.7759e+01, 3.9483e-01, 1.4893e+00],  
[7.9613e+01, 1.5037e-01, 1.6325e+00],  
[5.7456e+01, 5.3126e-01, 3.4767e+00],  
[1.3726e+02, 4.3119e-01, 2.5437e+00],  
[4.5321e-02, 1.4263e-06, 6.0762e-03],  
[9.8628e+00, 5.1251e-03, 4.6323e-01],  
[2.0733e+00, 1.6236e-04, 1.6072e-01],  
[8.4770e+01, 8.2491e-01, 2.1597e+00],  
[1.1090e+00, 5.8256e-04, 1.1970e-01],  
[9.0233e-03, 1.9664e-08, 1.4142e-03],  
[3.3164e+00, 2.6911e-03, 2.1978e-01],  
[1.0802e+01, 8.2535e-03, 9.5718e-01],  
[7.5614e-02, 9.6215e-07, 1.0259e-02],  
[6.2089e-01, 3.1139e-05, 7.5507e-02],  
[1.0686e+00, 1.8355e-04, 9.1447e-02],  
[9.0937e-02, 1.0148e-05, 1.1472e-02],  
[7.5298e+00, 5.7352e-03, 4.7508e-01],  
[4.5400e+01, 6.0634e-01, 2.0217e+00],  
[8.7549e+01, 2.1466e+00, 2.2516e+00],

[4.1594e+01, 3.3283e-02, 1.3652e+00],  
[5.9658e-01, 3.2908e-05, 7.9401e-02],  
[3.5135e+01, 2.0723e-02, 9.2277e-01],  
[2.3522e-01, 2.1309e-05, 2.7677e-02],  
[1.6698e-01, 7.3410e-06, 1.8750e-02],  
[6.5825e+00, 6.4240e-03, 6.8804e-01],  
[8.2246e-02, 4.3556e-06, 1.0536e-02],  
[2.0178e+00, 8.1445e-05, 1.3180e-01],  
[1.6331e+02, 4.2511e+00, 4.1320e+00],  
[1.0511e-01, 2.3561e-07, 1.3174e-02],  
[1.9195e+01, 1.0578e-01, 8.0011e-01],  
[1.4055e+00, 5.7896e-04, 1.1246e-01],  
[6.1250e+00, 4.8572e-03, 3.2416e-01],  
[9.0687e+01, 2.5041e+00, 2.5492e+00],  
[3.7389e+00, 9.7515e-04, 2.5352e-01],  
[2.0021e-01, 7.0969e-06, 2.2800e-02],  
[2.7076e+00, 1.9966e-03, 1.5535e-01],  
[1.1753e+02, 8.1891e-01, 4.0865e+00],  
[1.7193e+02, 6.1864e+00, 3.8255e+00],  
[1.7986e+00, 6.6966e-04, 2.4205e-01],  
[7.1886e+00, 1.2045e-02, 4.1772e-01],  
[2.6768e-01, 2.8881e-05, 3.1598e-02],  
[4.6022e+00, 3.1129e-04, 2.8416e-01],  
[7.4804e+01, 1.1391e+00, 2.1490e+00],  
[2.1558e+01, 7.4144e-02, 1.1238e+00],  
[6.2429e-02, 7.5517e-07, 8.1233e-03],  
[9.1927e-01, 5.1157e-04, 1.1367e-01],  
[2.5594e+01, 1.9224e-01, 7.8347e-01],  
[2.4991e+01, 1.9827e-01, 1.7890e+00],  
[7.7982e-02, 2.0561e-06, 9.8028e-03],  
[1.7821e+02, 3.4278e+00, 3.4158e+00],  
[1.8906e+02, 4.5027e+00, 3.8321e+00],  
[1.7413e+02, 1.2909e+00, 4.8279e+00],  
[7.8463e+00, 3.5281e-03, 4.5861e-01],  
[1.0768e+02, 3.3991e+00, 3.3640e+00],  
[3.0380e+00, 2.4976e-03, 2.7848e-01],  
[3.8859e+00, 1.2578e-03, 1.7923e-01],  
[3.9427e-04, 5.0779e-11, 6.4445e-05],  
[8.2193e+00, 4.2584e-03, 5.8736e-01],  
[4.6744e+01, 2.9281e-01, 1.0667e+00],  
[1.6410e+02, 9.2619e+00, 4.8432e+00],  
[7.2053e+00, 2.0437e-03, 4.2849e-01],  
[4.5296e-01, 2.3761e-05, 3.2843e-02],  
[1.4557e+02, 6.1561e+00, 4.5039e+00],  
[2.2082e+00, 1.1563e-04, 1.4522e-01],  
[3.8957e+01, 3.8087e-02, 1.4888e+00],  
[1.1702e+00, 8.2438e-05, 8.6146e-02],  
[7.4175e+01, 8.5979e-02, 1.4308e+00],

[3.2501e-01, 4.1879e-05, 3.6967e-02],  
[8.9032e+01, 1.1882e+00, 3.5830e+00],  
[6.8232e-01, 8.7393e-05, 5.8974e-02],  
[1.5068e+00, 1.4617e-04, 1.1654e-01],  
[2.2639e+01, 3.8277e-02, 1.2394e+00],  
[1.6582e-01, 7.4568e-06, 2.1333e-02],  
[5.6765e+01, 5.9914e-01, 2.4022e+00],  
[3.7825e-01, 1.6127e-05, 4.8185e-02],  
[9.7139e+00, 4.8154e-03, 5.2537e-01],  
[1.3147e+00, 3.4380e-04, 1.0142e-01],  
[1.5916e+01, 1.6448e-02, 1.2496e+00],  
[4.4372e+00, 6.0514e-03, 2.5248e-01],  
[1.1308e+02, 3.3536e+00, 2.9795e+00],  
[1.1082e-01, 3.0655e-06, 1.5850e-02],  
[2.7992e+01, 8.8255e-02, 1.4113e+00],  
[1.6366e+00, 9.0981e-04, 1.2121e-01],  
[1.3062e+01, 4.7341e-02, 8.1656e-01],  
[1.3979e+02, 1.0683e+00, 4.2903e+00],  
[9.9487e+01, 1.2405e-01, 3.0506e+00],  
[1.9372e+00, 1.6108e-04, 1.0042e-01],  
[2.6996e+00, 3.9176e-04, 1.5114e-01],  
[2.9128e-02, 1.1083e-07, 4.2170e-03],  
[6.1193e+01, 8.7474e-01, 3.3512e+00],  
[3.3914e+00, 2.0081e-03, 3.3423e-01],  
[5.1152e-01, 4.1346e-05, 6.0365e-02],  
[4.0834e-02, 1.1590e-06, 6.1896e-03],  
[1.7313e+02, 5.9906e+00, 3.9161e+00],  
[1.0817e+01, 8.4546e-03, 5.7036e-01],  
[2.9172e+01, 1.3218e-01, 1.7397e+00],  
[2.3016e-01, 2.6088e-05, 2.2633e-02],  
[2.1803e+01, 5.8238e-02, 8.2727e-01],  
[4.8760e-01, 3.9436e-05, 5.8176e-02],  
[3.1376e+00, 9.4378e-05, 2.5930e-01],  
[8.2707e-01, 7.3347e-05, 6.5653e-02],  
[6.4842e+01, 1.2193e+00, 2.8139e+00],  
[8.5036e+00, 7.2516e-03, 4.9320e-01],  
[5.0293e-03, 2.7206e-08, 7.8469e-04],  
[4.0706e+01, 6.1930e-02, 2.8270e+00],  
[5.8273e+00, 2.9530e-02, 6.7141e-01],  
[8.0949e-01, 3.0770e-04, 6.1465e-02],  
[2.5915e-02, 1.4867e-07, 3.9613e-03],  
[2.6185e-01, 1.7462e-05, 3.2608e-02],  
[8.0283e-02, 3.1155e-06, 1.1476e-02],  
[8.2124e+00, 1.4838e-02, 6.1738e-01],  
[2.4485e+01, 9.0618e-02, 1.4680e+00],  
[2.5174e+01, 7.0733e-03, 1.0264e+00],  
[9.0606e+00, 2.2411e-03, 6.6253e-01],  
[1.9098e-01, 7.3969e-06, 2.4838e-02],

[3.0978e+00, 2.5130e-03, 2.3094e-01],  
[4.1852e+01, 1.1180e-01, 1.2246e+00],  
[7.9478e+01, 2.5730e-01, 3.1502e+00],  
[3.7573e+01, 4.1880e-01, 2.1826e+00],  
[1.0463e+00, 8.1656e-04, 1.4102e-01],  
[3.0501e-01, 2.2535e-06, 3.5363e-02],  
[5.9072e-01, 6.1268e-05, 6.4951e-02],  
[1.2199e+00, 9.3575e-06, 8.2203e-02],  
[2.2844e+01, 2.9474e-02, 1.2125e+00],  
[5.2093e-01, 3.1465e-05, 6.8351e-02],  
[2.9462e+01, 1.1126e-01, 2.1707e+00],  
[7.6584e+01, 3.6174e-01, 2.3509e+00],  
[2.1577e-01, 1.8546e-05, 2.0641e-02],  
[1.9484e+00, 4.9095e-04, 1.1123e-01],  
[4.4758e+01, 3.7289e-01, 1.8696e+00],  
[1.6648e-01, 6.4506e-06, 2.3070e-02],  
[1.1523e+00, 4.0729e-04, 1.4622e-01],  
[1.0464e+02, 4.7340e-01, 2.9676e+00],  
[1.2703e+00, 2.4308e-04, 1.0775e-01],  
[5.2225e+01, 4.7744e-01, 2.0842e+00],  
[3.2322e-01, 3.6800e-05, 2.9630e-02],  
[2.0299e+01, 1.0167e-01, 1.2286e+00],  
[7.9411e-01, 2.9795e-04, 1.1082e-01],  
[6.9153e-01, 2.2803e-04, 6.1785e-02],  
[1.7404e+01, 8.6739e-02, 8.2144e-01],  
[4.3544e+01, 1.3492e-01, 1.0687e+00],  
[1.7417e+00, 3.0749e-05, 9.7699e-02],  
[6.2705e-01, 7.9772e-05, 5.5285e-02],  
[1.0656e-03, 1.4799e-09, 1.7182e-04],  
[2.6009e+02, 3.2040e+00, 4.6099e+00],  
[1.2935e+01, 5.4057e-02, 7.6851e-01],  
[6.4732e+01, 6.2288e-01, 2.2672e+00],  
[1.9481e+01, 9.8688e-02, 7.2555e-01],  
[9.8819e+01, 5.3877e-01, 3.1214e+00],  
[1.2706e+00, 6.4236e-04, 9.5304e-02],  
[6.1281e+00, 1.0736e-03, 2.5972e-01],  
[1.3980e+02, 4.3390e+00, 3.8278e+00],  
[5.9003e+00, 8.1186e-03, 2.8970e-01],  
[2.1134e-02, 9.0639e-08, 3.0240e-03],  
[3.0728e-01, 1.9438e-05, 2.7774e-02],  
[3.6143e-01, 2.8213e-05, 3.0211e-02],  
[1.5171e+01, 6.3571e-02, 1.3817e+00],  
[4.0752e-01, 1.2254e-04, 4.9977e-02],  
[3.4227e+00, 5.5343e-03, 2.3009e-01],  
[1.5644e+01, 5.8458e-02, 7.8959e-01],  
[3.1878e-01, 2.8430e-05, 3.5797e-02],  
[1.4933e-01, 3.2507e-06, 1.8463e-02],  
[8.5707e+00, 2.4438e-02, 6.6941e-01],



[1.4830e+02, 5.2652e+00, 3.2507e+00],  
[7.2942e+00, 2.0748e-02, 5.3207e-01],  
[1.8382e+02, 6.8368e+00, 4.6549e+00],  
[5.5368e-01, 1.3869e-04, 5.4572e-02],  
[2.3957e+02, 4.7202e+00, 4.6591e+00],  
[4.8609e+01, 4.5888e-01, 1.1413e+00],  
[8.1784e+01, 4.0898e-01, 1.6176e+00],  
[2.7468e+01, 4.8856e-02, 1.2891e+00],  
[1.2055e+00, 4.1639e-04, 8.9215e-02],  
[9.0675e-01, 3.0117e-04, 1.1465e-01],  
[7.7516e+01, 9.1179e-01, 2.9344e+00],  
[1.1374e+00, 2.1340e-04, 9.2528e-02],  
[4.9795e+00, 1.9234e-03, 2.1784e-01],  
[2.2569e+01, 2.1232e-02, 1.7549e+00],  
[2.0187e+01, 1.7365e-02, 7.0094e-01],  
[1.8855e+01, 9.0213e-02, 9.3987e-01],  
[1.2902e+00, 7.9051e-04, 1.7714e-01],  
[1.2173e-02, 5.0243e-09, 1.8418e-03],  
[3.7078e+00, 5.2618e-03, 4.0098e-01],  
[8.4141e-03, 4.9820e-09, 1.3239e-03],  
[9.4930e-03, 2.4022e-08, 1.4406e-03],  
[1.4370e+02, 2.1331e+00, 4.5841e+00],  
[1.8883e+02, 1.4642e+00, 3.6694e+00],  
[2.7408e+01, 1.2179e-01, 2.1512e+00],  
[1.9506e+01, 3.2196e-02, 5.6537e-01],  
[4.9379e+01, 2.5998e-01, 1.8367e+00],  
[4.8272e+00, 3.7353e-03, 2.6989e-01],  
[5.5466e-01, 1.1053e-04, 5.9265e-02],  
[9.6274e+01, 8.8557e-01, 3.7398e+00],  
[1.4283e-01, 9.9585e-06, 1.9074e-02],  
[1.9984e+00, 8.2054e-04, 1.2079e-01],  
[7.3758e+01, 6.2522e-02, 3.1640e+00],  
[6.7940e-01, 3.1935e-04, 8.0280e-02],  
[2.2677e+00, 1.1799e-03, 1.3659e-01],  
[5.5294e+01, 2.5070e-01, 2.3266e+00],  
[7.6940e-03, 3.6869e-08, 1.1909e-03],  
[1.0530e+00, 1.8558e-04, 1.1479e-01],  
[8.8820e+00, 1.2658e-02, 4.7864e-01],  
[1.7038e-01, 4.7026e-06, 1.9721e-02],  
[1.1505e+02, 2.6677e+00, 2.9059e+00],  
[3.5831e+01, 6.2692e-01, 2.1890e+00],  
[1.1371e+02, 9.9320e-01, 3.1665e+00],  
[7.6235e-01, 2.2888e-04, 8.6580e-02],  
[1.0360e+00, 6.6195e-04, 1.1769e-01],  
[1.6330e+01, 4.6746e-02, 9.5637e-01],  
[1.2427e+02, 2.9804e+00, 2.6897e+00],  
[1.1942e+02, 2.4536e+00, 2.3080e+00],  
[3.3402e+00, 6.4552e-04, 3.1645e-01],

[1.5261e+01, 2.8145e-02, 6.4824e-01],  
[3.8941e+00, 1.5626e-02, 4.0288e-01],  
[2.1792e-02, 1.2706e-07, 3.4151e-03],  
[1.0874e+02, 1.6120e+00, 2.4869e+00],  
[1.1722e+01, 5.3616e-02, 5.6351e-01],  
[8.4279e-03, 1.0625e-07, 1.3162e-03],  
[7.5831e+00, 8.2547e-03, 5.1577e-01],  
[1.4720e+01, 1.8815e-02, 4.7000e-01],  
[3.9962e+00, 3.1857e-03, 3.7298e-01],  
[1.9901e+01, 4.9772e-02, 7.7727e-01],  
[3.7753e+01, 1.6137e-02, 1.3509e+00],  
[3.5791e-02, 5.2933e-07, 5.3905e-03],  
[3.3620e-01, 9.4735e-05, 4.1221e-02],  
[7.7644e+01, 1.3039e+00, 2.3914e+00],  
[1.3496e+01, 2.5582e-02, 6.7172e-01],  
[3.0349e+00, 1.6676e-03, 1.6607e-01],  
[8.9545e+01, 3.2609e-01, 2.3355e+00],  
[7.2341e-02, 6.3638e-06, 9.9478e-03],  
[9.1237e+01, 1.3490e+00, 2.1295e+00],  
[1.0645e+02, 1.4809e+00, 2.7627e+00],  
[2.4184e-02, 2.6708e-08, 3.3946e-03],  
[2.7490e+00, 7.8297e-04, 2.6768e-01],  
[4.6244e+01, 1.1081e-01, 2.4604e+00],  
[1.7089e+00, 5.8634e-04, 1.1133e-01],  
[1.9188e+00, 9.9972e-04, 1.7328e-01],  
[3.7247e+00, 5.4985e-05, 1.8488e-01],  
[1.9993e-01, 3.4050e-05, 2.7882e-02],  
[4.6165e+01, 1.8689e-01, 1.0520e+00],  
[3.2938e+01, 3.8763e-01, 1.5459e+00],  
[1.8034e+01, 7.9055e-03, 1.0317e+00],  
[7.8441e+00, 3.8534e-03, 3.9257e-01],  
[1.3827e-01, 1.8826e-06, 1.7719e-02],  
[1.7551e+00, 1.6075e-03, 1.9234e-01],  
[3.2692e+00, 3.4671e-03, 2.6898e-01],  
[3.2893e+01, 1.1258e-01, 2.3849e+00],  
[2.3897e-03, 3.8073e-09, 3.8273e-04],  
[1.2845e+01, 3.9308e-02, 1.1703e+00],  
[2.8062e+00, 9.1052e-04, 2.7822e-01],  
[1.2939e+00, 4.8946e-04, 1.3966e-01],  
[9.8986e-01, 2.5483e-04, 8.4715e-02],  
[9.2130e-01, 6.7114e-04, 1.0528e-01],  
[2.6583e+01, 8.3350e-02, 7.2513e-01],  
[2.4570e+01, 7.7426e-02, 1.9855e+00],  
[1.7136e+00, 4.8404e-04, 1.4190e-01],  
[4.6946e+00, 1.9329e-02, 4.2269e-01],  
[2.5377e+02, 4.1100e+00, 4.8585e+00],  
[1.2515e+02, 1.2295e+00, 4.2879e+00],  
[5.2950e-02, 8.3184e-07, 7.3663e-03],

```

[1.7263e+02, 4.9400e+00, 4.2490e+00],
[3.8706e-01, 1.6846e-04, 4.6442e-02],
[1.2339e+02, 3.7466e+00, 3.3298e+00],
[6.9445e-02, 3.8477e-06, 9.3472e-03],
[3.6131e-01, 5.5720e-05, 3.1404e-02],
[5.9077e-01, 2.2143e-05, 4.4244e-02],
[4.0142e+01, 1.9914e-01, 1.5906e+00],
[2.7513e+01, 4.6032e-02, 8.5266e-01],
[1.2466e+01, 3.5918e-02, 7.1514e-01],
[3.5738e+00, 1.4960e-03, 3.0998e-01],
[5.2587e+00, 1.1177e-02, 4.6992e-01],
[1.8188e+02, 1.9585e+00, 4.2523e+00],
[2.9489e+01, 1.5972e-01, 1.1252e+00],
[4.8440e+01, 1.1716e-01, 1.4068e+00],
[1.2288e+00, 1.1267e-05, 7.4908e-02],
[1.3953e+01, 3.9867e-02, 6.1290e-01],
[5.8554e-01, 1.2619e-04, 5.5590e-02],
[6.5248e-01, 1.9863e-04, 6.6796e-02],
[1.8076e-01, 2.5040e-05, 2.3526e-02],
[4.6569e-01, 4.5046e-05, 3.8235e-02],
[7.6253e-02, 5.6929e-07, 1.0742e-02],
[5.2555e+00, 4.9670e-03, 3.3365e-01],
[1.9428e-02, 2.1834e-08, 2.7658e-03],
[2.0125e+00, 8.7218e-04, 1.1603e-01],
[2.0712e-01, 5.6618e-06, 2.4661e-02],
[5.4826e-01, 5.4473e-05, 4.6833e-02],
[7.5055e-01, 1.7521e-04, 7.2171e-02],
[1.0256e+02, 6.8346e-01, 1.8860e+00]], dtype=torch.float64)
Iteration: 258
Inputs: tensor([[5.3397e+19, 1.0737e+02, 4.5587e+00, 4.5845e+00],
[2.5413e+18, 1.4761e+02, 7.7740e+00, 7.1677e+00],
[8.3812e+19, 2.9497e+02, 1.7505e+01, 6.2866e+00],
...,
[4.9645e+20, 3.0891e+02, 1.1757e+01, 7.6584e+00],
[3.2284e+18, 2.7767e+02, 1.4335e+01, 6.4762e+00],
[2.4070e+20, 4.0477e+02, 1.0615e+01, 6.3093e+00]], dtype=torch.float64)
Target: tensor([[1.1199e+01, 1.2661e-02, 6.9029e-01],
[1.9434e-01, 1.5335e-05, 2.2859e-02],
[2.4425e+01, 1.5398e-01, 1.0986e+00],
[1.3267e+01, 3.1346e-02, 5.9232e-01],
[4.6473e+00, 1.1961e-03, 3.6126e-01],
[2.1950e+02, 3.9248e+00, 4.0301e+00],
[3.6952e+01, 4.3439e-01, 1.9870e+00],
[1.2209e+02, 2.2197e+00, 2.5537e+00],
[1.2249e+00, 5.3832e-04, 8.6568e-02],
[2.5502e+01, 6.8872e-02, 1.9983e+00],
[9.7368e-02, 1.2062e-05, 1.2974e-02],
[1.4549e+00, 1.7344e-04, 1.2776e-01],

```

[6.3167e+01, 4.3763e-01, 1.7303e+00],  
[8.8010e+00, 4.6486e-02, 8.4274e-01],  
[5.6750e-02, 1.7044e-06, 8.2214e-03],  
[4.9021e-02, 4.5933e-06, 7.3035e-03],  
[7.9406e+00, 1.1375e-02, 4.1474e-01],  
[3.9830e-01, 6.2422e-05, 4.0183e-02],  
[4.0909e+01, 1.0871e-01, 1.3880e+00],  
[1.8055e+01, 2.0580e-02, 1.2446e+00],  
[5.5093e-01, 1.9821e-04, 5.3035e-02],  
[2.3124e+01, 5.3439e-02, 1.3036e+00],  
[1.1353e+01, 3.1559e-02, 9.2351e-01],  
[6.8514e-01, 1.3713e-04, 9.4309e-02],  
[3.5573e+00, 2.2722e-03, 2.9785e-01],  
[6.5887e-01, 1.2387e-04, 6.0090e-02],  
[1.8344e-01, 2.9898e-06, 2.1305e-02],  
[1.0147e+01, 1.1165e-02, 1.1202e+00],  
[1.3095e+01, 3.3292e-02, 7.8416e-01],  
[2.8117e+01, 5.8474e-02, 1.6218e+00],  
[3.1520e+01, 1.8928e-01, 1.2408e+00],  
[8.3991e-02, 3.1891e-06, 1.0033e-02],  
[1.5058e+00, 8.0905e-05, 1.0898e-01],  
[2.0903e+01, 8.0283e-02, 9.0979e-01],  
[1.7972e+02, 7.2990e+00, 4.5263e+00],  
[4.4492e-01, 8.7215e-05, 4.5457e-02],  
[1.1583e+02, 1.1371e+00, 2.1134e+00],  
[1.2842e+01, 4.1136e-02, 1.0262e+00],  
[2.0649e+00, 4.8510e-04, 1.1594e-01],  
[3.3021e+00, 2.0453e-03, 2.6653e-01],  
[2.0341e+02, 4.2156e+00, 3.4137e+00],  
[3.9131e-02, 3.1876e-07, 5.5136e-03],  
[3.6049e+01, 3.4078e-01, 1.2927e+00],  
[1.1658e+00, 1.3574e-04, 8.1452e-02],  
[6.1684e+00, 4.6666e-03, 3.2584e-01],  
[3.6216e+01, 3.9138e-01, 1.3024e+00],  
[3.7094e-01, 9.8034e-05, 5.1454e-02],  
[1.6366e+00, 4.4753e-04, 1.7833e-01],  
[9.4621e-01, 5.1902e-05, 8.1156e-02],  
[1.6419e+01, 4.8828e-02, 5.7711e-01],  
[2.2794e+01, 4.2941e-02, 1.1560e+00],  
[3.6608e-01, 3.3454e-06, 3.4719e-02],  
[7.4701e+01, 1.7459e-01, 1.9306e+00],  
[1.1276e-01, 1.9675e-05, 1.5876e-02],  
[9.6817e-01, 2.4178e-05, 9.4499e-02],  
[1.6902e-01, 3.9654e-06, 2.3147e-02],  
[5.0547e+00, 3.2308e-03, 2.7312e-01],  
[1.1350e+00, 7.8034e-05, 6.9964e-02],  
[6.8687e+01, 5.2001e-01, 2.3591e+00],  
[5.8986e+01, 8.7806e-01, 2.3574e+00],

[1.2788e+00, 3.0490e-04, 1.0081e-01],  
[1.7483e+00, 1.7992e-03, 1.7807e-01],  
[3.7410e+01, 1.2539e-01, 1.5948e+00],  
[1.7610e+00, 3.1395e-04, 1.4869e-01],  
[8.1305e+01, 8.9453e-01, 2.8616e+00],  
[1.9861e+00, 3.0895e-04, 1.8746e-01],  
[1.6312e+00, 8.7223e-04, 1.2189e-01],  
[4.4112e-01, 6.7660e-05, 4.6630e-02],  
[3.1925e+01, 1.8250e-01, 1.5666e+00],  
[3.4963e+01, 8.3563e-02, 1.2295e+00],  
[6.9814e+00, 3.5398e-03, 3.9114e-01],  
[2.6446e-01, 7.3119e-05, 3.6623e-02],  
[4.7285e-01, 1.9817e-04, 5.8824e-02],  
[2.5208e+01, 6.5270e-02, 1.0687e+00],  
[6.7498e+00, 1.2335e-02, 4.2561e-01],  
[7.8063e+01, 2.6616e-01, 1.9658e+00],  
[1.5549e+00, 4.5573e-04, 1.3615e-01],  
[5.0139e+00, 1.8376e-02, 4.3236e-01],  
[1.9264e-01, 1.8696e-06, 2.0306e-02],  
[3.1394e+00, 1.1655e-03, 1.6383e-01],  
[3.3089e+00, 5.0702e-03, 2.7387e-01],  
[7.7771e+01, 6.6146e-01, 1.7735e+00],  
[4.6945e+01, 3.6571e-01, 1.4513e+00],  
[2.1038e+01, 6.4464e-02, 9.4798e-01],  
[8.2853e+01, 9.2311e-01, 2.7509e+00],  
[5.5725e+00, 4.7023e-03, 2.8444e-01],  
[5.0654e+00, 2.5348e-03, 2.0763e-01],  
[2.6117e-01, 6.4346e-06, 3.2776e-02],  
[2.7778e+01, 2.7597e-01, 1.5741e+00],  
[4.3524e+00, 4.7876e-03, 3.1687e-01],  
[4.4546e+00, 2.8771e-03, 3.8589e-01],  
[1.7024e-01, 2.0761e-06, 2.3591e-02],  
[2.8755e-01, 1.8047e-05, 2.5763e-02],  
[9.8256e-01, 7.4257e-05, 1.0615e-01],  
[1.0161e+01, 7.2650e-03, 5.2379e-01],  
[1.0542e-01, 8.5584e-06, 1.2193e-02],  
[3.7726e+01, 5.5307e-02, 1.0362e+00],  
[5.7779e+01, 3.8119e-01, 1.1552e+00],  
[4.8092e+00, 5.0359e-03, 2.4379e-01],  
[4.5914e+01, 1.0573e-02, 1.4485e+00],  
[3.6275e+01, 7.0770e-02, 1.1546e+00],  
[1.3494e+01, 1.3697e-02, 8.2859e-01],  
[2.8723e+01, 1.6833e-01, 9.5499e-01],  
[1.9144e-01, 9.5488e-06, 2.5559e-02],  
[3.5453e-01, 1.4715e-05, 2.9673e-02],  
[3.4143e+00, 1.3470e-03, 2.6658e-01],  
[7.4762e+00, 2.0512e-03, 4.6525e-01],  
[5.2272e+01, 2.0712e-01, 1.9725e+00],

[2.9068e+01, 1.8894e-02, 8.9843e-01],  
[1.6382e+02, 3.5378e+00, 3.8707e+00],  
[1.7125e-01, 1.7757e-06, 1.9001e-02],  
[2.8860e+01, 1.0601e-02, 9.5544e-01],  
[9.9374e-01, 1.2474e-04, 1.0383e-01],  
[5.0730e-01, 7.6186e-05, 4.7496e-02],  
[3.8917e-01, 8.2437e-05, 3.5609e-02],  
[2.3848e+01, 6.6289e-02, 1.6795e+00],  
[3.0478e+02, 3.8621e+00, 5.0709e+00],  
[3.1580e+01, 2.6725e-01, 1.0485e+00],  
[1.2555e+02, 2.1419e+00, 4.5534e+00],  
[5.1724e+00, 2.7689e-03, 3.1652e-01],  
[2.7096e-02, 5.4757e-07, 3.8561e-03],  
[9.3763e-02, 2.9107e-06, 1.2133e-02],  
[1.0500e+02, 1.2762e+00, 2.0576e+00],  
[1.7030e+01, 8.8114e-02, 7.2683e-01],  
[6.2616e+01, 2.1878e-01, 2.5576e+00],  
[8.4200e-01, 2.1555e-04, 8.1730e-02],  
[1.2417e+00, 5.1007e-04, 1.4451e-01],  
[1.2368e+02, 1.9371e+00, 2.3487e+00],  
[3.9615e-01, 6.9696e-05, 4.1322e-02],  
[7.7831e+01, 6.2003e-01, 1.9587e+00],  
[1.9095e+01, 3.6581e-02, 1.0732e+00],  
[2.7459e+00, 3.8498e-03, 2.4952e-01],  
[5.3883e+01, 5.1325e-01, 1.5097e+00],  
[1.1687e+01, 7.0262e-02, 7.8236e-01],  
[3.0022e-01, 3.8693e-05, 3.6861e-02],  
[3.9329e+01, 2.8340e-01, 1.7767e+00],  
[1.9064e+01, 1.3237e-02, 5.5043e-01],  
[8.7402e-02, 6.3869e-06, 1.0330e-02],  
[5.2007e+01, 2.3057e-01, 1.3057e+00],  
[4.5489e+01, 2.8967e-01, 2.4263e+00],  
[2.7136e+01, 1.1962e-01, 1.0659e+00],  
[1.0000e+02, 2.0088e-01, 3.4233e+00],  
[2.4335e+00, 2.6746e-03, 2.8193e-01],  
[3.8601e-01, 7.5141e-05, 3.7419e-02],  
[3.1147e+01, 1.9247e-01, 9.7972e-01],  
[5.6727e-02, 3.1389e-06, 7.6769e-03],  
[3.5171e-01, 1.6913e-05, 4.6098e-02],  
[4.6176e+01, 1.0031e-01, 1.5119e+00],  
[1.3156e-02, 9.8803e-08, 1.9535e-03],  
[1.7111e-02, 6.3680e-08, 2.4722e-03],  
[1.0558e+02, 1.5666e-01, 2.4145e+00],  
[2.1301e+02, 6.8375e+00, 3.5900e+00],  
[3.7253e+00, 1.5002e-03, 3.4172e-01],  
[2.8289e+01, 3.3952e-01, 1.8676e+00],  
[5.6575e-01, 1.6241e-05, 6.3576e-02],  
[5.1327e+00, 3.0217e-04, 3.4714e-01],

[3.6917e-02, 1.1374e-06, 5.0608e-03],  
[5.0746e+00, 3.1996e-03, 2.9094e-01],  
[1.0277e+01, 1.6125e-03, 6.4062e-01],  
[3.4794e+01, 6.5447e-02, 2.3172e+00],  
[3.7338e-03, 2.3779e-08, 5.9894e-04],  
[2.8081e+01, 1.4377e-01, 1.0280e+00],  
[6.4752e-02, 2.1869e-06, 9.3100e-03],  
[1.3743e-01, 1.8873e-05, 1.6540e-02],  
[2.1067e+01, 1.2100e-02, 6.3525e-01],  
[2.9779e+00, 2.0478e-03, 1.9528e-01],  
[3.4380e+00, 2.2733e-03, 2.3943e-01],  
[1.0809e+02, 3.0799e+00, 3.6076e+00],  
[5.1560e+01, 5.6342e-02, 2.1970e+00],  
[8.2036e-01, 2.7294e-04, 6.9255e-02],  
[2.2127e+00, 1.0965e-03, 1.9413e-01],  
[6.7208e+01, 7.4295e-02, 1.8237e+00],  
[1.8173e+02, 7.6731e-01, 3.6131e+00],  
[1.4332e+01, 4.6341e-02, 9.9166e-01],  
[2.6760e+02, 1.5069e+01, 4.9950e+00],  
[9.7890e+00, 1.0059e-02, 4.8409e-01],  
[9.1351e-01, 3.2364e-04, 1.0952e-01],  
[1.7095e+01, 1.5830e-02, 5.3176e-01],  
[4.3435e+01, 1.7592e-01, 2.1900e+00],  
[5.6158e+00, 1.6619e-02, 4.3201e-01],  
[4.9511e+01, 9.6415e-01, 2.5697e+00],  
[3.4142e+01, 1.5662e-01, 1.1233e+00],  
[3.2939e+01, 8.2035e-02, 1.4121e+00],  
[7.4762e+01, 6.5861e-01, 2.3616e+00],  
[1.7764e+00, 4.2548e-04, 1.9372e-01],  
[5.4736e+01, 3.4489e-02, 1.4792e+00],  
[4.9060e+00, 1.3496e-03, 3.4596e-01],  
[4.0760e+01, 1.6083e-01, 2.1267e+00],  
[9.6035e+01, 1.2221e+00, 1.9744e+00],  
[1.8569e+00, 1.7633e-03, 1.9938e-01],  
[1.1365e-01, 7.8563e-06, 1.6131e-02],  
[7.0881e+00, 7.8012e-03, 6.6958e-01],  
[2.0596e-01, 1.0660e-05, 2.0425e-02],  
[2.3703e+02, 1.0824e+01, 4.7006e+00],  
[1.4920e+02, 1.8094e+00, 2.6895e+00],  
[2.4199e+01, 1.7035e-01, 1.1234e+00],  
[5.2796e-01, 3.8172e-04, 6.8432e-02],  
[2.0551e+00, 1.1078e-03, 1.4255e-01],  
[2.0553e+00, 1.0649e-03, 1.3225e-01],  
[9.5541e+00, 8.9823e-03, 4.6845e-01],  
[2.0066e+01, 8.7391e-02, 1.1399e+00],  
[8.3434e-02, 6.4527e-07, 1.0026e-02],  
[1.7129e+02, 4.3046e+00, 4.1799e+00],  
[1.4387e+01, 3.7565e-02, 5.0951e-01],

[3.2976e-03, 1.3614e-09, 5.1863e-04],  
[5.6972e+00, 5.9101e-03, 3.1066e-01],  
[2.5844e+01, 1.2184e-01, 8.1547e-01],  
[3.1134e+00, 5.7718e-03, 3.3764e-01],  
[3.2865e+01, 6.6738e-02, 1.7507e+00],  
[3.3454e+01, 7.4218e-03, 1.5044e+00],  
[2.9722e+00, 6.0269e-04, 1.6881e-01],  
[2.6797e-02, 5.0717e-07, 3.8107e-03],  
[4.3196e+00, 4.3184e-03, 2.8275e-01],  
[7.0161e-01, 1.7161e-04, 7.1465e-02],  
[1.2687e-01, 7.3275e-06, 1.5849e-02],  
[1.1598e+01, 5.6889e-03, 7.9211e-01],  
[7.7616e-02, 6.5020e-06, 1.1361e-02],  
[1.0629e+01, 6.4395e-03, 1.0599e+00],  
[1.8318e+01, 3.0434e-02, 6.4112e-01],  
[2.0290e+02, 1.8256e+00, 3.6650e+00],  
[7.4981e-02, 4.1809e-06, 9.4214e-03],  
[4.6092e-01, 1.3424e-04, 5.0114e-02],  
[3.2879e+01, 9.4619e-02, 8.4410e-01],  
[2.3075e+01, 8.8743e-02, 8.1554e-01],  
[1.6099e+01, 4.7868e-02, 6.7490e-01],  
[7.3179e-01, 6.7851e-05, 8.0550e-02],  
[1.3908e-03, 6.8518e-10, 2.2500e-04],  
[2.8375e+00, 1.9742e-03, 1.8015e-01],  
[1.5265e+01, 1.8697e-02, 1.5365e+00],  
[2.3772e-01, 8.6865e-06, 2.6301e-02],  
[9.4768e+00, 2.8465e-02, 8.5045e-01],  
[6.0838e+01, 8.7460e-01, 1.6288e+00],  
[9.3071e+01, 8.2821e-02, 2.3033e+00],  
[2.6529e+00, 1.3939e-03, 1.5001e-01],  
[3.9572e-01, 1.0162e-05, 4.2084e-02],  
[7.1347e-02, 3.2121e-06, 9.1900e-03],  
[2.4202e+01, 1.8881e-01, 1.4089e+00],  
[3.5732e+01, 1.6101e-01, 1.3284e+00],  
[8.6059e+01, 1.0254e+00, 3.2208e+00],  
[4.5240e+01, 5.2738e-01, 1.6220e+00],  
[1.4497e-02, 9.3986e-08, 2.1376e-03],  
[7.0028e+01, 7.1009e-01, 3.4309e+00],  
[2.0842e-01, 1.3125e-05, 2.0423e-02],  
[4.8356e-01, 8.4170e-05, 5.5005e-02],  
[5.8214e+00, 1.0952e-03, 4.3569e-01],  
[1.0355e+02, 2.6227e+00, 4.2706e+00],  
[2.8840e+01, 4.6460e-02, 1.8965e+00],  
[1.8475e-01, 1.5928e-05, 2.4518e-02],  
[8.8673e-02, 9.0127e-06, 1.1826e-02],  
[7.9427e-01, 1.4266e-05, 7.7623e-02],  
[6.1791e-02, 4.8926e-06, 8.3924e-03],  
[1.0317e-02, 7.3966e-08, 1.5650e-03],



[2.1709e+00, 1.2886e-04, 1.3552e-01],  
[3.0640e+01, 1.6715e-01, 1.5797e+00],  
[1.1531e+00, 5.8647e-05, 7.7738e-02],  
[7.2885e-01, 1.0753e-04, 6.5288e-02],  
[4.8941e+00, 8.4706e-03, 4.1977e-01],  
[2.1276e-01, 2.5345e-05, 2.3222e-02],  
[3.3756e-01, 1.1595e-05, 2.9768e-02],  
[3.9992e-02, 2.1672e-07, 5.4845e-03],  
[7.1520e+00, 1.2519e-02, 3.7815e-01],  
[4.6335e+01, 1.4782e-01, 1.5397e+00],  
[9.4464e-01, 2.1974e-05, 9.5954e-02],  
[2.8545e-01, 3.5224e-05, 3.6775e-02],  
[3.1922e-01, 9.0415e-05, 3.7116e-02],  
[3.2386e+00, 3.3012e-03, 2.3453e-01],  
[5.5296e+01, 4.0319e-01, 1.7161e+00],  
[3.8071e+00, 2.9656e-03, 3.6247e-01],  
[1.1511e+00, 8.3282e-04, 1.4246e-01],  
[2.6672e+01, 4.0917e-02, 2.1143e+00],  
[4.5419e-01, 7.7582e-05, 4.2677e-02],  
[1.1484e+02, 7.8067e-02, 4.0058e+00],  
[2.8300e+00, 3.2902e-04, 1.5553e-01],  
[6.1627e+00, 2.5634e-02, 4.6170e-01],  
[9.0233e+00, 1.2133e-02, 9.4059e-01],  
[2.2924e+01, 7.0038e-02, 1.2715e+00],  
[3.7000e+00, 1.2286e-03, 2.2257e-01],  
[8.2787e-01, 1.2529e-04, 1.0300e-01],  
[1.5497e-02, 4.0672e-07, 2.3654e-03],  
[1.0879e+00, 1.1890e-04, 9.7368e-02],  
[5.1112e+00, 3.9853e-03, 3.6735e-01],  
[1.4829e+02, 4.6363e+00, 3.8995e+00],  
[8.7960e+00, 4.1088e-02, 6.7079e-01],  
[9.4982e+00, 4.7374e-02, 6.3043e-01],  
[1.0811e+01, 5.8374e-03, 4.5673e-01],  
[2.7459e+00, 2.6311e-03, 2.4126e-01],  
[7.8382e+01, 8.6485e-01, 1.5747e+00],  
[1.2868e+01, 1.1700e-02, 9.5338e-01],  
[7.3472e+01, 6.8788e-01, 1.4288e+00],  
[1.6388e+01, 5.8956e-02, 1.1812e+00],  
[1.1718e+02, 6.2462e-01, 3.6665e+00],  
[1.2039e+02, 4.6088e-01, 2.7748e+00],  
[2.5649e+00, 7.7614e-04, 2.1877e-01],  
[6.1262e-01, 1.2148e-04, 4.5536e-02],  
[3.9795e+00, 1.5010e-03, 1.9727e-01],  
[4.0311e+01, 4.9471e-02, 2.1656e+00],  
[1.7010e+01, 4.9685e-02, 7.1929e-01],  
[7.2692e-01, 3.2910e-04, 9.4817e-02],  
[1.0446e+01, 3.7119e-02, 7.5911e-01],  
[1.7548e+01, 3.6289e-03, 6.7831e-01],

```

[8.2862e-01, 1.0859e-04, 9.3812e-02],
[1.1955e-01, 3.5351e-06, 1.3372e-02],
[3.6816e-01, 4.3609e-05, 4.9142e-02],
[4.4175e+01, 7.0727e-01, 1.2842e+00],
[7.3297e+01, 3.7209e-01, 2.2492e+00],
[1.5758e+01, 1.9661e-02, 8.4127e-01],
[4.7705e+00, 3.0927e-03, 3.0279e-01],
[1.6090e-02, 2.6438e-07, 2.4685e-03],
[1.2005e+01, 3.3387e-02, 6.4683e-01],
[1.2549e+00, 1.3603e-04, 8.2921e-02],
[4.7641e+01, 5.6983e-01, 1.4235e+00],
[2.7012e+00, 8.6068e-04, 1.9740e-01],
[1.2959e+00, 3.6674e-04, 1.2517e-01],
[7.1953e-02, 3.5042e-06, 9.1547e-03],
[3.6266e+01, 5.9488e-02, 1.1622e+00],
[5.0596e+01, 4.3537e-01, 3.2725e+00],
[4.1714e+00, 3.4741e-04, 2.6097e-01],
[1.2598e+02, 2.7214e+00, 3.4073e+00],
[4.0941e-01, 6.8179e-05, 4.2651e-02],
[8.8083e+01, 9.6997e-01, 2.3163e+00]], dtype=torch.float64)
Iteration: 259
Inputs: tensor([[1.3363e+20, 4.8531e+02, 8.7107e+00, 2.4505e+00],
               [9.4763e+19, 4.2282e+02, 9.3753e+00, 6.4949e+00],
               [2.7907e+18, 8.7517e+01, 8.1216e+00, 7.3814e+00],
               ...,
               [3.0971e+18, 4.0251e+02, 1.9777e+01, 2.8955e+00],
               [1.5478e+20, 1.6286e+02, 3.0430e+00, 8.2726e+00],
               [1.7212e+20, 1.6535e+02, 1.1749e+01, 6.0662e+00]], dtype=torch.float64)
Target: tensor([[4.5344e+01, 7.7648e-02, 1.5747e+00],
               [4.9843e+01, 3.2334e-01, 1.3655e+00],
               [8.5583e-02, 4.2357e-06, 1.1502e-02],
               [1.5739e-01, 2.2045e-05, 2.0449e-02],
               [2.9402e+01, 9.3045e-03, 1.1341e+00],
               [1.8331e-01, 1.2282e-05, 2.0122e-02],
               [6.1870e+00, 1.2124e-02, 3.1958e-01],
               [7.4028e+00, 1.4455e-02, 3.6291e-01],
               [3.0244e-02, 7.5165e-07, 4.5827e-03],
               [4.9121e+01, 2.9088e-01, 1.2609e+00],
               [3.7527e+01, 3.5401e-01, 1.5693e+00],
               [7.7824e+01, 2.6258e-01, 2.0871e+00],
               [4.4097e-02, 3.6569e-07, 6.7172e-03],
               [1.4223e+01, 4.9118e-03, 5.6537e-01],
               [6.4406e+00, 6.3676e-03, 3.3807e-01],
               [9.3065e+01, 3.2050e-01, 1.8883e+00],
               [8.3080e+00, 2.9409e-02, 4.6698e-01],
               [2.3702e+00, 4.9728e-04, 1.5682e-01],
               [1.9768e-01, 2.5139e-05, 2.1187e-02],
               [9.4102e+01, 1.4009e+00, 2.4351e+00],

```

[6.0056e+00, 5.9625e-03, 3.8557e-01],  
[5.4460e-01, 8.1569e-05, 4.6107e-02],  
[2.3569e-02, 2.9375e-08, 3.3499e-03],  
[1.2483e+00, 9.6337e-05, 1.1351e-01],  
[5.2448e-01, 1.7104e-04, 5.1257e-02],  
[1.1611e-01, 6.3323e-07, 1.4813e-02],  
[5.9053e+01, 2.8889e-01, 2.0074e+00],  
[1.4306e+01, 2.9871e-03, 7.0465e-01],  
[6.3627e+01, 2.6566e-01, 1.3530e+00],  
[1.4457e-02, 1.5331e-08, 2.1913e-03],  
[1.2313e+00, 9.9532e-04, 1.4488e-01],  
[2.8884e+00, 2.3768e-04, 2.4337e-01],  
[7.1420e-01, 6.5488e-05, 4.9259e-02],  
[2.0448e+00, 6.7462e-04, 2.2000e-01],  
[3.8172e+01, 4.3253e-01, 1.2002e+00],  
[4.3508e-02, 1.9029e-06, 6.0638e-03],  
[1.9296e+02, 7.3305e-01, 4.5275e+00],  
[4.7438e+00, 2.8144e-03, 4.2639e-01],  
[1.2389e+01, 5.0214e-03, 5.9381e-01],  
[1.2325e+00, 8.8942e-04, 1.3587e-01],  
[7.6037e-02, 2.1294e-06, 1.0375e-02],  
[5.4746e-01, 1.9643e-05, 4.7716e-02],  
[3.0637e+00, 3.0721e-03, 2.9968e-01],  
[1.3097e+02, 5.5585e-01, 2.3871e+00],  
[9.8259e-02, 9.5159e-06, 1.2345e-02],  
[2.0551e+00, 7.1388e-04, 2.0434e-01],  
[3.4042e-02, 1.2870e-06, 4.9189e-03],  
[1.4970e-01, 7.5504e-06, 1.6622e-02],  
[1.0820e+00, 1.2736e-04, 1.0210e-01],  
[6.0595e+00, 6.2873e-03, 4.1436e-01],  
[1.3126e+00, 1.5658e-04, 1.4530e-01],  
[4.7781e-02, 1.2583e-06, 7.0899e-03],  
[9.5508e+00, 1.6481e-02, 4.5627e-01],  
[2.1278e+02, 6.0267e+00, 3.5427e+00],  
[1.9160e-03, 1.1592e-09, 3.0860e-04],  
[2.0645e-01, 2.6363e-05, 2.8501e-02],  
[1.2707e+01, 3.1306e-02, 4.9865e-01],  
[1.1189e-01, 1.1103e-07, 1.3395e-02],  
[1.9768e+00, 2.2170e-04, 1.3332e-01],  
[2.0825e+01, 5.0484e-02, 1.2466e+00],  
[2.4207e+02, 1.6868e+00, 3.8763e+00],  
[2.1140e+00, 6.2284e-04, 1.3907e-01],  
[5.8412e-01, 3.8362e-05, 7.2584e-02],  
[2.8528e+01, 1.5218e-01, 9.2989e-01],  
[7.1737e+00, 2.1676e-02, 7.5550e-01],  
[8.2147e+00, 1.8654e-03, 4.8642e-01],  
[2.6291e-03, 3.4419e-09, 4.1496e-04],  
[1.3120e+01, 2.8186e-02, 4.8750e-01],

[3.0060e-01, 4.1869e-06, 2.6475e-02],  
[3.5368e+00, 1.6872e-03, 1.8173e-01],  
[6.5801e-02, 2.0728e-06, 8.1748e-03],  
[1.4131e+02, 4.5603e+00, 3.3615e+00],  
[3.2119e-01, 4.0047e-05, 3.5567e-02],  
[3.7972e-02, 7.3107e-07, 5.2443e-03],  
[4.7347e-01, 8.0951e-05, 6.5454e-02],  
[1.8387e-02, 2.2553e-08, 2.6351e-03],  
[2.9211e+00, 1.0936e-03, 1.3870e-01],  
[2.8545e+00, 2.6773e-03, 2.6847e-01],  
[1.0315e+00, 1.0889e-04, 8.2159e-02],  
[1.4152e+00, 1.7858e-04, 1.6465e-01],  
[2.1598e+00, 8.1430e-04, 2.3863e-01],  
[2.0353e+01, 1.6837e-01, 1.1177e+00],  
[5.1782e+01, 4.5167e-01, 2.4338e+00],  
[1.7977e-01, 1.7042e-05, 2.4209e-02],  
[1.6836e+00, 3.6360e-04, 1.5018e-01],  
[4.6169e+01, 2.8112e-01, 1.5618e+00],  
[2.3496e+00, 5.8867e-04, 1.2127e-01],  
[2.1664e-01, 1.2115e-05, 3.1281e-02],  
[2.2790e+00, 2.0470e-03, 1.6613e-01],  
[8.2373e-02, 4.6138e-07, 1.0892e-02],  
[1.9887e+00, 4.9603e-04, 2.0165e-01],  
[1.6754e+01, 1.8842e-01, 1.3566e+00],  
[7.6873e+00, 3.6831e-02, 7.0071e-01],  
[3.8283e+01, 6.7765e-02, 1.6354e+00],  
[1.0196e+01, 1.6771e-02, 4.1900e-01],  
[8.3427e-02, 9.5943e-07, 1.2490e-02],  
[2.7440e-01, 1.7143e-05, 2.7959e-02],  
[1.6431e-01, 2.9185e-05, 2.0352e-02],  
[7.4112e+01, 1.4549e+00, 2.3459e+00],  
[3.1677e+00, 2.5821e-03, 1.9423e-01],  
[5.6345e+01, 4.2314e-01, 2.4612e+00],  
[1.1603e+00, 3.9301e-04, 1.2909e-01],  
[2.4398e+01, 3.6712e-01, 2.1631e+00],  
[1.2203e+00, 2.1673e-04, 7.1737e-02],  
[4.7964e+01, 6.7540e-01, 1.5948e+00],  
[4.3027e+01, 2.7990e-01, 1.3704e+00],  
[1.1794e-01, 7.0122e-06, 1.7237e-02],  
[8.7891e+01, 2.0913e-01, 2.9641e+00],  
[1.0194e+01, 1.0447e-02, 5.7724e-01],  
[1.8735e-01, 1.1788e-05, 2.0865e-02],  
[1.1032e+02, 3.4952e+00, 2.7723e+00],  
[4.0531e+01, 3.2658e-02, 1.5397e+00],  
[4.3756e-02, 3.8946e-07, 6.4515e-03],  
[5.6664e+01, 2.3923e-02, 2.9350e+00],  
[1.3793e+01, 1.2527e-02, 1.2280e+00],  
[5.0159e+00, 8.7028e-03, 4.1606e-01],

[9.9458e-01, 1.0842e-04, 6.0577e-02],  
[8.0951e+00, 8.0122e-03, 2.7701e-01],  
[2.5089e+01, 1.8649e-01, 1.1039e+00],  
[1.8086e+01, 5.0821e-02, 1.2980e+00],  
[1.8458e+00, 4.7484e-04, 2.1230e-01],  
[7.5559e+00, 5.8978e-03, 5.8867e-01],  
[5.5893e+01, 3.7022e-01, 2.8010e+00],  
[3.3051e+00, 1.8911e-03, 2.1017e-01],  
[6.0665e+01, 4.7013e-02, 1.4366e+00],  
[3.0302e-01, 3.6851e-05, 3.7373e-02],  
[2.3051e-01, 2.2998e-05, 2.4660e-02],  
[6.4126e+01, 5.7294e-01, 1.7063e+00],  
[7.5280e-01, 1.4597e-04, 6.8368e-02],  
[1.1287e-02, 1.1590e-07, 1.6762e-03],  
[3.7423e+01, 2.1977e-01, 1.6504e+00],  
[2.7486e+01, 9.7690e-02, 1.6242e+00],  
[1.9091e+00, 6.4689e-04, 1.3368e-01],  
[2.5249e-01, 2.0879e-05, 2.7305e-02],  
[3.0948e+00, 1.3892e-03, 1.7015e-01],  
[1.5279e+01, 3.3521e-02, 5.4153e-01],  
[1.0944e+00, 1.5214e-03, 1.3360e-01],  
[2.5660e+02, 5.5772e+00, 4.8943e+00],  
[3.2445e-01, 5.2055e-05, 3.1857e-02],  
[2.0591e-02, 2.7691e-07, 3.0475e-03],  
[4.3423e-02, 1.9428e-06, 6.3378e-03],  
[3.9954e-01, 8.7868e-05, 4.5147e-02],  
[3.0312e+01, 1.8889e-01, 1.1079e+00],  
[1.6201e+01, 1.3716e-02, 7.5677e-01],  
[6.0861e-01, 2.8850e-05, 5.0635e-02],  
[6.0168e+00, 7.7213e-04, 2.3677e-01],  
[1.1053e+01, 2.3675e-03, 4.6644e-01],  
[7.8347e+01, 2.0017e-01, 2.8544e+00],  
[3.7782e-02, 5.3856e-07, 5.4768e-03],  
[1.1121e+01, 8.4152e-03, 1.0222e+00],  
[3.7467e-02, 4.0590e-07, 5.2820e-03],  
[6.7046e-01, 1.7833e-04, 5.9656e-02],  
[8.9300e-02, 4.4153e-07, 1.2053e-02],  
[2.1636e+02, 6.0438e+00, 4.7183e+00],  
[1.9482e+00, 7.1152e-04, 1.2143e-01],  
[2.6079e+00, 1.1375e-03, 2.7310e-01],  
[1.9253e+02, 3.1440e+00, 3.6461e+00],  
[2.0229e+02, 3.9669e+00, 4.0845e+00],  
[2.1918e+01, 2.0560e-02, 9.2736e-01],  
[1.7169e-01, 6.1330e-06, 1.7682e-02],  
[1.1909e+01, 2.2507e-02, 5.8702e-01],  
[1.9357e+00, 1.4463e-03, 1.6857e-01],  
[1.0790e-01, 5.9009e-06, 1.4416e-02],  
[1.0530e+02, 6.2499e-01, 2.1531e+00],

[2.6154e-01, 4.9586e-05, 3.4151e-02],  
 [3.6360e+00, 2.7803e-03, 2.7512e-01],  
 [3.3768e-02, 6.4578e-07, 4.9009e-03],  
 [2.6920e-01, 5.2700e-05, 3.3283e-02],  
 [1.0501e+02, 1.1610e+00, 2.4165e+00],  
 [8.5901e-04, 1.0308e-10, 1.3915e-04],  
 [6.3671e+00, 3.7629e-03, 4.2506e-01],  
 [4.4542e+01, 1.5490e-01, 2.0193e+00],  
 [3.2471e+00, 1.7273e-03, 2.2870e-01],  
 [7.3002e+01, 1.0942e-01, 1.5878e+00],  
 [8.5357e+01, 2.9798e-01, 2.7165e+00],  
 [1.5227e+00, 4.8636e-04, 8.7627e-02],  
 [5.2055e+00, 2.4021e-03, 4.8241e-01],  
 [8.3103e+00, 1.4930e-02, 3.4930e-01],  
 [1.0604e-01, 3.4243e-06, 1.3126e-02],  
 [1.8247e+02, 3.4953e+00, 3.2631e+00],  
 [8.9011e+00, 5.7322e-03, 4.0915e-01],  
 [7.4418e+01, 9.6081e-01, 2.8742e+00],  
 [9.4700e+00, 2.8207e-02, 8.9947e-01],  
 [3.2044e+01, 1.3580e-01, 1.3552e+00],  
 [1.0163e+01, 6.2052e-02, 1.0808e+00],  
 [4.5266e-01, 1.1572e-04, 5.6554e-02],  
 [1.4670e-02, 9.3933e-08, 2.3037e-03],  
 [7.3603e+01, 1.7184e+00, 2.7921e+00],  
 [2.7373e+01, 3.0963e-02, 1.8975e+00],  
 [2.8298e-01, 6.4498e-05, 3.7923e-02],  
 [1.7196e-01, 5.7971e-06, 1.8399e-02],  
 [1.3831e-03, 1.5697e-09, 2.2244e-04],  
 [1.3623e+02, 3.2549e+00, 4.1419e+00],  
 [1.1698e-01, 4.8023e-06, 1.4986e-02],  
 [1.3632e+01, 2.0760e-02, 4.6128e-01],  
 [4.5441e-01, 7.7777e-05, 5.7690e-02],  
 [7.2658e+00, 4.4087e-04, 3.9272e-01],  
 [1.8011e+02, 6.7508e+00, 3.5288e+00],  
 [4.2339e-01, 3.3515e-05, 4.4427e-02],  
 [1.7346e+01, 6.6977e-03, 6.6756e-01],  
 [4.8454e+01, 8.5577e-02, 2.7828e+00],  
 [4.4584e+01, 1.5785e-02, 1.7343e+00],  
 [6.7289e-01, 7.6164e-05, 1.0055e-01],  
 [2.3184e-02, 7.7688e-07, 3.3180e-03],  
 [4.4433e+00, 3.6027e-03, 3.9671e-01],  
 [1.0558e+01, 6.5526e-04, 4.8031e-01],  
 [3.6502e+01, 1.8332e-01, 1.1065e+00],  
 [1.2249e+02, 1.7573e+00, 4.4130e+00],  
 [2.5858e-01, 4.3976e-05, 3.3753e-02],  
 [6.0703e+01, 2.1751e-01, 1.4442e+00],  
 [1.7367e+02, 5.7657e+00, 4.3059e+00],  
 [7.6468e+01, 2.2750e-01, 3.3444e+00],

[8.5876e-02, 2.5274e-06, 1.1025e-02],  
[1.0249e+02, 1.2914e+00, 3.5399e+00],  
[3.5527e-03, 2.4956e-09, 5.5922e-04],  
[1.7374e+00, 9.8402e-04, 1.4750e-01],  
[8.8791e-01, 1.6861e-04, 9.7862e-02],  
[9.5348e-03, 5.8063e-09, 1.4356e-03],  
[1.3456e+02, 3.6027e-01, 3.8558e+00],  
[3.4145e+00, 4.7106e-03, 2.6914e-01],  
[2.1385e-01, 1.8355e-05, 2.1451e-02],  
[1.4882e+00, 1.1180e-03, 1.4392e-01],  
[5.0664e+01, 2.4173e-01, 2.7534e+00],  
[4.2029e+01, 2.1045e-01, 1.7178e+00],  
[1.1784e+02, 2.6402e+00, 2.8519e+00],  
[4.4101e+00, 1.8448e-03, 1.9252e-01],  
[1.1056e+02, 7.4864e-01, 3.8684e+00],  
[8.7183e+01, 5.9741e-01, 2.8026e+00],  
[4.4408e+01, 1.1719e-01, 1.1487e+00],  
[1.2688e+01, 1.7204e-03, 4.9580e-01],  
[1.5688e-02, 4.6015e-08, 2.3321e-03],  
[8.4732e+00, 1.2069e-02, 4.5374e-01],  
[7.8532e+01, 1.0672e+00, 1.9534e+00],  
[3.3284e+01, 6.1079e-02, 1.5419e+00],  
[1.6057e+00, 7.8677e-04, 1.1248e-01],  
[4.8883e+00, 1.7038e-03, 3.3004e-01],  
[6.2203e+00, 2.0456e-03, 3.2456e-01],  
[2.0842e+01, 7.3537e-02, 1.4290e+00],  
[4.5859e+00, 1.9786e-03, 3.5362e-01],  
[2.6938e-01, 1.6555e-05, 2.6901e-02],  
[3.4227e-02, 1.8134e-07, 4.9126e-03],  
[1.5749e+01, 1.9000e-02, 1.0594e+00],  
[2.1141e+00, 1.2383e-03, 1.4094e-01],  
[2.7808e+00, 2.2956e-03, 2.6097e-01],  
[1.3686e-01, 1.9239e-05, 1.7869e-02],  
[6.1984e+00, 5.8351e-03, 3.2370e-01],  
[1.2285e+01, 5.9665e-02, 9.9364e-01],  
[2.6267e-02, 5.0096e-08, 3.7408e-03],  
[1.3317e+00, 1.6921e-03, 1.6655e-01],  
[1.2556e+02, 3.2314e+00, 4.4434e+00],  
[2.7339e+00, 1.0338e-03, 1.7905e-01],  
[2.6081e+00, 5.8757e-03, 2.7009e-01],  
[1.5730e+02, 3.8658e+00, 4.1227e+00],  
[2.1789e+01, 1.1304e-01, 1.1122e+00],  
[9.4995e-02, 1.5392e-06, 1.1197e-02],  
[1.5425e+00, 9.6792e-04, 1.5168e-01],  
[4.9311e+01, 2.2985e-01, 1.5221e+00],  
[9.1491e-02, 7.0548e-06, 1.0656e-02],  
[7.1393e+01, 6.6003e-01, 3.1633e+00],  
[2.1255e+02, 6.3736e-01, 4.1758e+00],

[5.0709e+01, 2.5516e-01, 2.5647e+00],  
[2.5016e+01, 2.1099e-01, 1.0792e+00],  
[2.1577e+01, 2.2268e-01, 1.8061e+00],  
[1.3325e+00, 2.3467e-04, 1.2683e-01],  
[1.1802e+00, 6.5021e-04, 1.1483e-01],  
[7.7874e+01, 9.0248e-01, 1.9742e+00],  
[4.8068e+01, 1.0254e-01, 1.9309e+00],  
[1.0918e-01, 7.6657e-06, 1.3583e-02],  
[9.7661e-02, 3.9772e-06, 1.1905e-02],  
[5.9961e+01, 1.2366e-01, 2.3151e+00],  
[3.5086e+00, 5.9562e-03, 3.6119e-01],  
[1.0094e+02, 2.0908e+00, 2.6484e+00],  
[4.4268e-03, 3.6017e-09, 7.1195e-04],  
[1.9254e+01, 6.0480e-02, 1.0635e+00],  
[1.1419e+00, 1.8932e-04, 1.1411e-01],  
[7.8414e+01, 6.8602e-01, 2.3471e+00],  
[6.0170e-02, 4.5607e-06, 8.5287e-03],  
[2.3013e+00, 7.4388e-04, 1.2984e-01],  
[1.1491e+01, 1.7211e-02, 1.0777e+00],  
[5.3219e+01, 2.2208e-01, 2.0125e+00],  
[7.1817e-03, 3.6111e-09, 1.1077e-03],  
[8.0634e-03, 3.1979e-08, 1.2804e-03],  
[6.8717e-01, 2.4331e-04, 7.1399e-02],  
[3.2019e+00, 2.4880e-03, 4.0611e-01],  
[1.0221e+01, 6.7391e-03, 5.8516e-01],  
[9.4482e-03, 1.2719e-07, 1.4667e-03],  
[6.9255e-01, 2.5782e-04, 7.4848e-02],  
[5.2438e+00, 3.9162e-03, 5.0564e-01],  
[4.8126e+00, 3.9508e-03, 2.4663e-01],  
[1.0769e+01, 4.9930e-02, 9.0401e-01],  
[7.0686e+01, 1.3281e-01, 3.1245e+00],  
[3.6709e+01, 4.8349e-01, 1.4385e+00],  
[9.6619e+00, 1.1442e-02, 6.5507e-01],  
[3.8574e-01, 3.8331e-05, 4.6414e-02],  
[9.6052e+01, 1.4836e+00, 2.5225e+00],  
[3.2299e-02, 9.1341e-07, 4.8491e-03],  
[1.7537e+01, 5.2610e-02, 8.3565e-01],  
[1.0935e+02, 1.3184e+00, 2.6620e+00],  
[8.8667e+01, 2.7520e-01, 3.7121e+00],  
[4.4282e+01, 4.9902e-02, 1.2177e+00],  
[1.8778e+01, 8.2536e-02, 1.4278e+00],  
[5.3924e-01, 3.4291e-05, 6.0369e-02],  
[6.3739e+01, 2.6863e-01, 2.1193e+00],  
[8.0390e+01, 1.3058e-01, 2.7077e+00],  
[1.6562e+02, 1.7406e+00, 2.9017e+00],  
[4.5516e+00, 6.9753e-03, 2.9532e-01],  
[9.1980e-03, 7.8179e-09, 1.3798e-03],  
[1.9843e+00, 6.4831e-05, 1.4805e-01],



```

[5.9581e+01, 2.8350e-01, 1.2775e+00],
[9.9010e-01, 2.7455e-04, 1.2236e-01],
[6.2802e+01, 5.2340e-01, 1.2598e+00],
[2.7802e+00, 2.0102e-03, 2.1330e-01],
[4.4575e-02, 1.2220e-06, 6.0613e-03],
[7.6160e+01, 1.3913e+00, 2.4051e+00],
[9.1989e+00, 4.5339e-02, 9.2865e-01],
[1.1308e+00, 4.7392e-04, 1.0868e-01],
[1.1296e+00, 1.2375e-04, 1.2294e-01],
[1.5807e-01, 6.9625e-06, 1.9806e-02],
[5.3471e+01, 3.6506e-01, 1.7395e+00],
[3.1098e+01, 1.9016e-01, 1.5611e+00]], dtype=torch.float64)
Iteration: 260
Inputs: tensor([[3.8083e+19, 2.8136e+02, 3.1882e+00, 3.9965e+00],
[8.0360e+19, 3.5169e+02, 1.6628e+01, 5.8936e+00],
[9.8163e+20, 1.5138e+02, 4.3214e+00, 1.3301e+00],
...,
[2.4276e+18, 4.2773e+02, 4.8922e+00, 4.2622e+00],
[5.6536e+19, 2.9429e+02, 4.1922e+00, 4.8445e+00],
[1.2874e+19, 3.4741e+02, 1.8912e+01, 1.3918e+00]], dtype=torch.float64)
Target: tensor([[2.0899e+01, 1.7342e-02, 7.4767e-01],
[2.7424e+01, 1.5993e-01, 1.1175e+00],
[7.5584e+01, 7.4734e-02, 3.9086e+00],
[2.3023e+00, 2.1008e-03, 2.2672e-01],
[7.0633e+01, 1.6762e-01, 3.6591e+00],
[7.0547e+00, 6.1605e-03, 7.5649e-01],
[2.2124e+01, 2.1602e-02, 9.1265e-01],
[1.0644e+01, 2.1582e-02, 6.5672e-01],
[3.8541e+01, 8.1715e-01, 2.2070e+00],
[1.7331e+01, 9.0522e-03, 6.1579e-01],
[1.3205e+01, 2.4168e-02, 7.3904e-01],
[4.8124e+01, 5.9192e-01, 1.4385e+00],
[5.9920e+01, 5.7903e-01, 1.9779e+00],
[1.4477e-01, 1.0301e-05, 1.5348e-02],
[1.3586e+01, 2.3261e-02, 4.4268e-01],
[3.5642e+01, 2.3662e-01, 1.7847e+00],
[2.0707e+01, 5.8001e-02, 6.0519e-01],
[8.2981e-02, 8.5789e-07, 1.2279e-02],
[2.8500e+01, 1.8471e-02, 1.0022e+00],
[3.5290e+00, 2.8806e-03, 4.1182e-01],
[5.8406e-02, 2.4330e-07, 8.3195e-03],
[1.0568e+00, 2.1661e-04, 9.5610e-02],
[1.9287e+01, 2.6446e-02, 5.3005e-01],
[1.5334e+01, 2.5413e-02, 7.5306e-01],
[3.8610e+01, 2.6831e-01, 1.0301e+00],
[4.5662e-01, 3.5641e-05, 4.6900e-02],
[2.2360e-01, 3.1793e-05, 2.6229e-02],
[3.0569e+01, 2.1114e-01, 1.8330e+00],

```

[4.4063e+00, 4.9240e-03, 2.7930e-01],  
[1.2987e+00, 2.4137e-04, 8.5995e-02],  
[9.6402e+01, 2.4073e+00, 2.4390e+00],  
[3.0161e+01, 5.0259e-02, 1.0499e+00],  
[2.7909e+00, 1.8514e-03, 1.7076e-01],  
[8.9185e-03, 8.6451e-08, 1.4197e-03],  
[5.8614e-02, 5.2944e-06, 8.3832e-03],  
[8.5359e+01, 9.8635e-01, 2.3232e+00],  
[1.0549e-02, 1.8450e-07, 1.6323e-03],  
[1.0917e+02, 1.4117e+00, 2.3787e+00],  
[5.1955e-02, 1.4760e-06, 6.9216e-03],  
[3.0783e+00, 7.9729e-03, 3.6494e-01],  
[5.4188e+01, 2.0353e-01, 3.3396e+00],  
[1.0123e+01, 1.1919e-02, 9.2415e-01],  
[2.8140e+01, 1.3041e-01, 1.5742e+00],  
[2.4004e+02, 3.6774e+00, 3.7104e+00],  
[1.4338e+00, 9.0582e-04, 1.0480e-01],  
[2.0201e-01, 2.5337e-05, 2.0698e-02],  
[4.0784e+01, 5.9491e-01, 1.7491e+00],  
[2.5540e+00, 7.9088e-04, 1.6974e-01],  
[1.0213e-01, 6.0421e-06, 1.1774e-02],  
[2.7110e-01, 2.6014e-05, 2.9456e-02],  
[1.8711e+01, 1.9983e-01, 1.5015e+00],  
[3.4909e+00, 1.3621e-03, 1.8947e-01],  
[2.0630e-01, 3.0755e-05, 2.1037e-02],  
[3.2088e+01, 3.1064e-02, 1.8078e+00],  
[1.0127e-01, 4.3588e-06, 1.4505e-02],  
[2.4331e-02, 9.4294e-08, 3.4638e-03],  
[8.6900e+01, 5.7699e-01, 1.6394e+00],  
[9.7045e+01, 1.2417e+00, 3.2765e+00],  
[6.7519e-01, 1.3231e-04, 5.1442e-02],  
[1.5727e+00, 4.4539e-04, 1.0694e-01],  
[9.5905e+00, 7.5585e-03, 7.7645e-01],  
[1.8561e+02, 8.2000e-01, 3.2882e+00],  
[1.4414e+02, 1.9952e+00, 3.6531e+00],  
[5.6454e+01, 4.6606e-01, 3.0023e+00],  
[1.8082e+02, 2.8580e+00, 4.8260e+00],  
[5.6118e-01, 6.1408e-05, 7.9647e-02],  
[2.5120e+00, 5.4783e-04, 2.0957e-01],  
[1.2773e+02, 3.1567e+00, 3.1514e+00],  
[7.9644e-01, 4.7971e-05, 8.9954e-02],  
[1.9272e+00, 1.0483e-03, 1.6323e-01],  
[1.4702e+00, 2.9826e-04, 1.0742e-01],  
[1.2498e-02, 7.3369e-08, 1.8945e-03],  
[9.2434e+01, 5.8485e-01, 2.5773e+00],  
[1.2266e+01, 5.8686e-02, 1.1131e+00],  
[7.3482e-01, 1.6398e-04, 9.5079e-02],  
[3.1615e+01, 4.7316e-01, 1.9075e+00],

[4.9770e-02, 2.4552e-07, 7.4261e-03],  
[7.2215e+00, 1.3107e-02, 5.2687e-01],  
[1.8420e-02, 8.5861e-08, 2.6359e-03],  
[6.2699e+01, 1.1903e+00, 2.4784e+00],  
[2.8520e-01, 2.3363e-05, 2.8780e-02],  
[8.4599e-02, 8.9468e-07, 1.1884e-02],  
[8.3666e+01, 1.5817e+00, 2.3066e+00],  
[4.6051e+01, 2.0321e-01, 3.0608e+00],  
[6.1411e+00, 1.5536e-02, 3.7310e-01],  
[2.1818e+00, 1.7696e-03, 2.6888e-01],  
[2.2827e-02, 2.7281e-07, 3.2248e-03],  
[1.1155e+00, 3.9857e-04, 1.1033e-01],  
[4.7377e+00, 5.4336e-03, 2.5351e-01],  
[1.2003e+02, 2.2914e+00, 3.2753e+00],  
[6.5519e+01, 9.2167e-01, 2.1381e+00],  
[1.8836e+00, 2.9810e-04, 1.6018e-01],  
[9.6755e+00, 1.8427e-02, 7.9008e-01],  
[3.1974e+01, 2.8498e-01, 1.3948e+00],  
[1.3100e+01, 1.2336e-02, 4.1308e-01],  
[4.0216e+01, 2.9584e-01, 1.7094e+00],  
[1.3284e-01, 4.8161e-06, 1.6863e-02],  
[4.7597e+00, 7.0337e-04, 2.2559e-01],  
[1.0877e+02, 1.5090e+00, 2.1241e+00],  
[5.7844e+01, 6.4731e-01, 2.5696e+00],  
[1.5572e+01, 1.0928e-02, 6.4126e-01],  
[1.3066e+00, 3.9441e-04, 1.3500e-01],  
[1.3947e-01, 1.7412e-05, 1.9365e-02],  
[2.3613e+01, 1.3056e-01, 8.4862e-01],  
[8.0154e+00, 7.9865e-03, 3.2345e-01],  
[6.5897e+01, 3.0297e-01, 2.0095e+00],  
[3.2312e+00, 3.8380e-03, 1.9405e-01],  
[3.5892e+00, 4.2455e-03, 2.5725e-01],  
[8.4785e+01, 1.0767e+00, 2.7344e+00],  
[5.0016e+00, 1.9950e-03, 3.0554e-01],  
[2.2174e+02, 3.2054e+00, 3.7308e+00],  
[2.1429e-01, 6.9650e-06, 2.6986e-02],  
[3.4858e+00, 1.8688e-03, 1.9621e-01],  
[1.8921e+02, 7.4282e+00, 4.6672e+00],  
[1.0823e+02, 2.1376e+00, 3.1060e+00],  
[3.9901e-01, 9.9359e-05, 4.1003e-02],  
[4.2058e-01, 9.2211e-05, 4.0424e-02],  
[4.8523e+01, 1.4224e-01, 2.1156e+00],  
[4.3720e+01, 8.4993e-01, 2.3953e+00],  
[1.5573e-02, 7.5696e-08, 2.3472e-03],  
[1.0929e+00, 1.7495e-04, 1.5448e-01],  
[1.5287e+01, 5.9887e-03, 1.0903e+00],  
[1.1124e+00, 1.0458e-04, 8.7966e-02],  
[9.8952e-01, 1.6229e-04, 6.6353e-02],

[2.4934e+02, 9.0936e+00, 4.1521e+00],  
 [2.4517e-01, 6.6765e-06, 3.0799e-02],  
 [1.1657e+00, 2.0124e-04, 1.0108e-01],  
 [1.0521e+01, 2.5586e-02, 4.4197e-01],  
 [2.3328e-02, 9.4921e-08, 3.4246e-03],  
 [1.5773e+01, 8.7901e-02, 1.0887e+00],  
 [2.2242e+01, 2.4972e-02, 1.1457e+00],  
 [2.1556e+01, 3.2060e-02, 1.4858e+00],  
 [4.1911e+01, 3.2153e-01, 1.7872e+00],  
 [2.3879e+01, 1.0622e-01, 1.0616e+00],  
 [4.5094e-01, 5.6865e-05, 4.4632e-02],  
 [7.4676e+00, 1.6714e-02, 4.7066e-01],  
 [1.2345e+02, 1.8169e+00, 2.4622e+00],  
 [3.4372e+01, 1.4857e-01, 1.3889e+00],  
 [1.8675e+01, 3.2779e-02, 6.5304e-01],  
 [6.3548e+01, 5.4027e-02, 1.5445e+00],  
 [1.3577e+01, 2.9625e-02, 9.8639e-01],  
 [9.3542e-01, 2.6570e-04, 8.1967e-02],  
 [4.9373e+01, 8.7171e-01, 1.5956e+00],  
 [8.1866e-01, 4.0268e-04, 1.0710e-01],  
 [6.5467e+01, 5.6057e-01, 1.2182e+00],  
 [4.8616e+00, 1.9963e-03, 4.6509e-01],  
 [3.9953e+00, 2.0742e-03, 2.5572e-01],  
 [6.1830e-01, 5.7418e-05, 5.5047e-02],  
 [5.4310e+01, 4.9667e-01, 1.2960e+00],  
 [4.3623e+01, 3.7417e-01, 1.0436e+00],  
 [2.5618e+01, 1.3147e-02, 1.1556e+00],  
 [1.3497e+01, 1.0880e-02, 8.7840e-01],  
 [1.8054e-01, 5.2892e-06, 2.3301e-02],  
 [5.9943e+01, 4.7058e-01, 1.7359e+00],  
 [1.2230e-01, 5.9772e-06, 1.4280e-02],  
 [3.3102e-01, 1.0278e-06, 2.9279e-02],  
 [4.2720e-01, 1.2749e-04, 5.0203e-02],  
 [1.1254e+00, 1.8988e-04, 1.0600e-01],  
 [9.5777e+01, 1.6010e-01, 1.7140e+00],  
 [8.6066e-01, 6.2772e-05, 9.3411e-02],  
 [2.4100e+01, 4.0199e-02, 8.6371e-01],  
 [3.4953e+01, 6.3228e-02, 1.7638e+00],  
 [1.0036e+02, 7.2462e-01, 3.7547e+00],  
 [6.9946e+01, 1.3811e+00, 3.4363e+00],  
 [7.1914e-01, 8.1127e-05, 8.6856e-02],  
 [2.1895e-03, 5.3580e-09, 3.5242e-04],  
 [1.1459e+02, 2.2228e+00, 2.2409e+00],  
 [2.7410e-02, 6.9269e-07, 3.8930e-03],  
 [8.3972e+01, 4.2017e-01, 3.1377e+00],  
 [2.5787e+02, 3.1109e+00, 4.5687e+00],  
 [1.3422e+02, 1.7212e+00, 2.5136e+00],  
 [3.0212e+01, 2.0009e-01, 2.0195e+00],

[2.8668e-01, 1.7175e-05, 3.3100e-02],  
[1.5720e+01, 6.8133e-02, 1.1122e+00],  
[8.6450e+00, 6.8997e-03, 3.6555e-01],  
[8.2502e+00, 2.1507e-03, 3.7595e-01],  
[6.1380e+01, 2.7987e-01, 2.2683e+00],  
[2.1206e+02, 7.0725e+00, 4.0592e+00],  
[2.6374e+00, 3.9793e-04, 2.1898e-01],  
[3.9374e-01, 9.9442e-05, 4.2117e-02],  
[7.9987e+00, 3.6883e-03, 5.1202e-01],  
[1.6407e+01, 2.1692e-02, 1.1492e+00],  
[2.3742e+01, 9.0900e-02, 8.9006e-01],  
[4.8368e+00, 7.9347e-03, 3.2914e-01],  
[2.1538e-01, 6.8049e-05, 3.0381e-02],  
[2.0287e-01, 2.1671e-06, 2.0453e-02],  
[2.0974e+00, 1.5673e-03, 1.7199e-01],  
[1.5505e+01, 4.5827e-02, 1.1616e+00],  
[1.4879e+02, 2.3129e+00, 4.2468e+00],  
[1.6300e+01, 8.0454e-02, 1.5191e+00],  
[7.8640e+00, 1.5928e-03, 3.0229e-01],  
[5.9003e-01, 9.3445e-05, 6.1540e-02],  
[4.8430e+01, 2.5837e-01, 1.5035e+00],  
[9.2168e-03, 4.5491e-08, 1.3846e-03],  
[3.0889e+01, 3.0348e-02, 1.3597e+00],  
[2.6186e+00, 3.0718e-03, 2.5059e-01],  
[1.8353e-01, 4.1969e-06, 1.9209e-02],  
[8.7431e+01, 2.4585e+00, 3.8927e+00],  
[1.4922e+00, 3.4944e-03, 1.8606e-01],  
[3.3736e-02, 4.2417e-07, 4.7788e-03],  
[5.5374e-01, 9.0278e-05, 5.2187e-02],  
[1.2220e+00, 5.8545e-04, 1.0613e-01],  
[7.3970e+01, 4.5974e-01, 2.1473e+00],  
[2.3741e+01, 1.1810e-02, 6.4273e-01],  
[2.2534e+01, 3.2259e-02, 5.7912e-01],  
[1.1750e+00, 2.7218e-05, 6.8332e-02],  
[1.3527e-01, 7.9161e-06, 1.4952e-02],  
[3.9872e+01, 1.5404e-01, 2.0956e+00],  
[3.1633e+00, 7.6745e-05, 1.7397e-01],  
[1.9578e-01, 9.4231e-06, 2.2890e-02],  
[9.3749e+01, 1.1771e+00, 2.4647e+00],  
[2.3155e-02, 9.6933e-08, 3.4011e-03],  
[1.1398e+02, 2.3457e+00, 2.2439e+00],  
[6.6521e-01, 8.2649e-05, 7.2574e-02],  
[4.1911e+00, 1.2883e-03, 1.8771e-01],  
[1.5518e+02, 2.6126e+00, 3.7691e+00],  
[7.5499e+01, 2.2604e-01, 3.1590e+00],  
[5.9212e+00, 2.5637e-02, 6.5275e-01],  
[6.2134e+00, 3.5022e-03, 5.7769e-01],  
[5.8965e+00, 7.9015e-03, 4.3719e-01],

[1.0414e+00, 6.3092e-05, 1.0596e-01],  
[1.5135e+00, 6.3166e-05, 1.1635e-01],  
[2.0137e+00, 1.0623e-03, 1.6652e-01],  
[1.5040e+01, 1.7489e-02, 7.2170e-01],  
[1.5264e+00, 7.4683e-04, 1.6863e-01],  
[8.6434e+00, 3.7277e-03, 7.3496e-01],  
[3.0427e+02, 7.6270e+00, 5.0923e+00],  
[1.2475e+00, 7.9177e-05, 6.6219e-02],  
[1.1506e-01, 1.6974e-06, 1.4409e-02],  
[2.6359e-01, 2.4468e-05, 2.9822e-02],  
[9.7933e-02, 1.0847e-05, 1.2838e-02],  
[1.2618e+00, 1.5274e-04, 8.4715e-02],  
[1.0685e+00, 1.7179e-04, 1.3819e-01],  
[1.1064e+00, 1.2233e-03, 1.2219e-01],  
[7.6017e+01, 4.4694e-01, 2.6947e+00],  
[1.2538e-01, 2.2332e-06, 1.7544e-02],  
[3.3279e+01, 2.0122e-01, 8.4761e-01],  
[2.6907e+00, 7.2155e-04, 1.8743e-01],  
[1.6233e-01, 1.6958e-06, 1.8855e-02],  
[1.1682e-01, 6.7558e-06, 1.3489e-02],  
[1.1255e-01, 7.7307e-06, 1.4279e-02],  
[5.5794e+00, 2.0705e-03, 2.8358e-01],  
[3.0244e-01, 9.3818e-06, 2.6108e-02],  
[2.6966e+00, 1.4583e-03, 2.0627e-01],  
[3.1699e+01, 7.1320e-03, 1.3597e+00],  
[3.8441e-01, 1.6357e-05, 5.1690e-02],  
[4.5475e+01, 5.5369e-02, 1.6044e+00],  
[8.2097e-02, 1.4151e-06, 1.0523e-02],  
[1.5517e-01, 1.1772e-05, 2.1459e-02],  
[4.0713e+00, 4.6475e-03, 2.4686e-01],  
[2.8433e-01, 3.8748e-05, 2.9606e-02],  
[5.3041e-01, 2.3006e-05, 3.9321e-02],  
[4.3070e+01, 9.1762e-02, 1.6974e+00],  
[1.1503e+01, 5.3195e-02, 1.0105e+00],  
[2.2639e+01, 5.7086e-02, 5.6748e-01],  
[6.2347e+01, 3.8166e-01, 2.5993e+00],  
[1.0968e+01, 3.7406e-02, 5.1482e-01],  
[5.7611e+01, 9.5207e-01, 1.8472e+00],  
[1.1896e+01, 1.0877e-03, 5.4668e-01],  
[9.4220e+00, 1.2933e-02, 5.2171e-01],  
[4.3028e+01, 2.6702e-01, 1.3518e+00],  
[7.6725e+01, 1.4343e-01, 3.5920e+00],  
[3.2939e+00, 4.4246e-03, 1.9925e-01],  
[1.1577e+00, 2.3551e-04, 1.1293e-01],  
[5.3903e-02, 8.4362e-07, 8.1003e-03],  
[4.6889e+00, 4.6811e-04, 2.7242e-01],  
[2.4499e+01, 2.4501e-02, 1.2890e+00],  
[7.7278e+01, 5.4045e-01, 1.4556e+00],

[4.6144e+01, 3.9744e-02, 2.2332e+00],  
[1.2089e+01, 3.1751e-02, 6.2774e-01],  
[3.8997e-01, 6.2827e-05, 3.5726e-02],  
[4.2031e-02, 2.5448e-07, 5.8588e-03],  
[1.1661e+01, 3.5576e-02, 5.4325e-01],  
[3.3200e-01, 3.1679e-05, 4.4857e-02],  
[2.8999e+01, 9.3889e-02, 7.6146e-01],  
[6.8056e+01, 1.4051e-01, 2.5824e+00],  
[1.3619e+02, 4.2924e+00, 4.6024e+00],  
[1.0248e+01, 1.1509e-02, 7.1603e-01],  
[1.0170e+02, 1.0080e+00, 4.2183e+00],  
[6.9254e+01, 1.0197e+00, 2.1349e+00],  
[9.9994e+00, 1.4318e-02, 5.1612e-01],  
[7.1985e-01, 2.2987e-04, 8.6188e-02],  
[1.3791e+01, 1.2876e-02, 6.4437e-01],  
[4.4321e+01, 4.9378e-01, 1.1984e+00],  
[2.0199e+01, 6.3060e-02, 1.4387e+00],  
[1.6219e+00, 1.0238e-03, 2.1338e-01],  
[7.5700e-02, 7.2569e-06, 1.1139e-02],  
[6.3306e-01, 3.1919e-04, 7.8579e-02],  
[2.1395e+00, 9.3827e-04, 1.5405e-01],  
[5.6339e+00, 1.0833e-02, 6.1437e-01],  
[2.7050e+01, 2.4186e-02, 1.2580e+00],  
[3.4548e+00, 1.3715e-02, 3.9885e-01],  
[1.0968e+02, 2.5638e+00, 3.1371e+00],  
[3.8507e-01, 7.0613e-05, 3.5083e-02],  
[1.3305e+02, 7.0977e-01, 4.3641e+00],  
[3.8649e+01, 2.2152e-01, 1.0942e+00],  
[1.9273e-01, 4.6777e-06, 2.3742e-02],  
[1.8344e+01, 7.5178e-02, 9.1793e-01],  
[3.4491e-01, 3.8118e-05, 3.9847e-02],  
[4.1798e+01, 2.1690e-01, 9.6202e-01],  
[9.4681e-01, 1.2913e-04, 8.7882e-02],  
[1.1641e+01, 2.6554e-03, 5.0697e-01],  
[1.3554e+00, 1.1985e-04, 1.5235e-01],  
[3.0594e+01, 2.6283e-01, 1.2637e+00],  
[1.2336e+00, 4.9671e-04, 9.5775e-02],  
[1.1733e+01, 4.7566e-02, 7.3822e-01],  
[3.6791e-02, 7.5257e-07, 5.5329e-03],  
[4.2277e+00, 8.3831e-04, 2.8500e-01],  
[1.0059e+01, 2.5122e-02, 4.2851e-01],  
[2.0235e+02, 3.1142e+00, 4.3436e+00],  
[2.5246e-01, 1.2639e-05, 3.4614e-02],  
[4.2912e+00, 3.3182e-03, 3.8317e-01],  
[5.2435e+00, 1.0358e-03, 3.3889e-01],  
[8.9416e-03, 6.8257e-08, 1.3870e-03],  
[1.5869e+01, 8.6428e-02, 9.2978e-01],  
[5.4548e+01, 3.9498e-01, 2.5427e+00],

```

[9.0603e+01, 5.7877e-01, 2.1446e+00],
[8.9287e-01, 5.5242e-05, 6.5323e-02],
[3.1728e+01, 6.2132e-02, 9.8506e-01],
[4.1211e-01, 2.4865e-05, 5.2517e-02]], dtype=torch.float64)
Iteration: 261
Inputs: tensor([[1.2841e+19, 3.6433e+02, 2.9853e+00, 1.1704e+00],
[1.0225e+20, 4.0720e+02, 1.1822e+01, 7.0263e+00],
[1.6761e+20, 4.4822e+02, 1.3627e+01, 2.2827e+00],
...,
[4.1373e+20, 4.1622e+02, 1.0066e+01, 7.6598e+00],
[1.7536e+19, 1.5335e+02, 1.9706e+01, 8.5697e+00],
[4.3130e+19, 3.8069e+02, 4.7762e+00, 6.3154e+00]], dtype=torch.float64)
Target: tensor([[3.8977e+00, 1.3740e-04, 2.5902e-01],
[4.8161e+01, 3.9673e-01, 1.4091e+00],
[3.5076e+01, 7.4276e-02, 1.6113e+00],
[8.7807e+00, 1.9888e-03, 3.4845e-01],
[9.9883e+01, 8.5153e-01, 3.6982e+00],
[2.3762e+00, 6.6277e-04, 2.7566e-01],
[4.8503e+01, 2.3430e-01, 1.1802e+00],
[5.8758e+01, 5.5157e-01, 1.9547e+00],
[2.1041e-01, 1.5585e-05, 2.3812e-02],
[1.9003e-02, 1.2020e-07, 2.9440e-03],
[5.1919e+00, 4.8055e-03, 2.5009e-01],
[6.2996e-01, 1.4181e-05, 6.6271e-02],
[5.7524e-02, 1.3919e-06, 7.3399e-03],
[5.8734e+00, 1.8061e-03, 2.9489e-01],
[1.2266e+00, 6.0559e-04, 9.6124e-02],
[9.3060e+01, 5.7749e-01, 3.1561e+00],
[4.4170e+00, 5.0592e-03, 3.6711e-01],
[6.4948e-02, 4.2505e-07, 9.0019e-03],
[2.4399e+00, 7.3690e-04, 2.1051e-01],
[1.2174e+01, 2.2885e-02, 5.1228e-01],
[1.7687e+01, 3.3295e-02, 8.4237e-01],
[1.7858e+01, 2.6379e-02, 7.2999e-01],
[6.6363e+00, 1.0203e-02, 4.0985e-01],
[1.1608e+02, 2.4007e-01, 3.4447e+00],
[1.8497e-01, 2.8042e-06, 2.4728e-02],
[8.7003e+01, 8.1113e-02, 1.9380e+00],
[1.3032e-01, 1.2976e-05, 1.4344e-02],
[2.2480e+01, 6.2337e-02, 1.4549e+00],
[1.6187e+01, 1.3651e-01, 1.2324e+00],
[1.4708e+01, 2.4131e-02, 6.1187e-01],
[8.7955e-01, 3.5099e-04, 8.0763e-02],
[1.1618e+02, 1.8984e+00, 3.3220e+00],
[2.5578e+01, 1.5122e-01, 1.0358e+00],
[2.0387e+01, 2.6906e-02, 1.8834e+00],
[1.8953e+02, 4.7620e+00, 4.7114e+00],
[4.7448e+01, 6.3936e-02, 2.8829e+00],

```



[1.6425e+01, 4.4988e-02, 1.0167e+00],  
[5.5018e-01, 1.2784e-04, 6.8052e-02],  
[2.3521e-01, 2.1979e-05, 2.4281e-02],  
[1.1910e-01, 3.0337e-06, 1.6531e-02],  
[1.6475e+02, 2.3546e+00, 3.6033e+00],  
[1.4812e+02, 4.4133e+00, 3.8842e+00],  
[6.0409e+01, 2.5581e-01, 2.9165e+00],  
[1.2070e+02, 1.4028e-01, 3.3964e+00],  
[6.5087e-01, 4.2054e-06, 4.9410e-02],  
[7.3346e+01, 1.5909e+00, 2.4584e+00],  
[3.6386e-01, 4.2129e-05, 4.5562e-02],  
[6.1425e+01, 2.0316e-01, 1.6273e+00],  
[1.1784e+02, 1.3327e+00, 4.1750e+00],  
[2.7225e+02, 2.0635e+00, 4.5899e+00],  
[9.8782e+00, 1.6719e-02, 9.3224e-01],  
[9.1687e+01, 7.4958e-01, 2.7889e+00],  
[3.8950e-02, 1.1878e-06, 5.4967e-03],  
[6.9299e-01, 1.4029e-05, 6.8781e-02],  
[6.8389e-01, 2.9226e-04, 7.9386e-02],  
[1.6673e-01, 1.0318e-05, 2.2254e-02],  
[9.3491e-02, 8.9258e-06, 1.3885e-02],  
[2.7056e+01, 2.1020e-01, 1.2646e+00],  
[6.1160e+00, 1.2434e-03, 3.9994e-01],  
[1.2178e+00, 1.0013e-03, 1.2148e-01],  
[3.1902e-01, 4.4322e-05, 3.2661e-02],  
[1.6177e-01, 3.2700e-06, 2.0679e-02],  
[8.0288e+01, 1.1858e+00, 1.9288e+00],  
[1.9358e+02, 1.4211e+00, 4.5216e+00],  
[2.0951e+00, 4.0980e-04, 1.6954e-01],  
[2.9089e+01, 1.0400e-01, 1.5831e+00],  
[1.0100e+00, 1.5217e-04, 8.0070e-02],  
[1.4782e+02, 2.3228e+00, 3.0121e+00],  
[1.9968e+02, 4.5494e+00, 4.3098e+00],  
[3.2963e-01, 4.1710e-05, 3.2249e-02],  
[3.0207e+01, 1.4449e-01, 1.7345e+00],  
[1.1802e+00, 1.6606e-03, 1.4913e-01],  
[1.1873e-02, 5.1377e-09, 1.7868e-03],  
[1.2089e-01, 1.4574e-05, 1.4737e-02],  
[1.0603e+01, 1.1449e-02, 1.1669e+00],  
[9.0269e-03, 6.8653e-09, 1.3811e-03],  
[3.3562e-05, 1.9905e-13, 5.5668e-06],  
[1.9286e+01, 3.9740e-02, 6.2906e-01],  
[2.9871e-01, 3.9297e-05, 3.6823e-02],  
[6.3154e-02, 4.2414e-06, 8.8860e-03],  
[3.1129e-03, 4.2163e-09, 4.9926e-04],  
[1.2373e+01, 2.2811e-02, 4.3225e-01],  
[1.5709e+00, 5.6564e-04, 1.5521e-01],  
[4.1053e+01, 5.8997e-01, 1.3064e+00],

[2.1495e-01, 1.3229e-05, 2.1540e-02],  
[6.3005e-02, 1.3865e-06, 8.1452e-03],  
[1.8280e-01, 7.1992e-06, 1.9509e-02],  
[6.9695e+00, 2.3011e-02, 7.5269e-01],  
[2.2492e+00, 8.2253e-04, 1.8671e-01],  
[1.6471e-01, 8.8266e-06, 2.3441e-02],  
[4.5320e-01, 1.3056e-05, 5.6714e-02],  
[2.1919e+00, 2.2643e-03, 1.6617e-01],  
[8.5845e-01, 6.4850e-04, 1.1092e-01],  
[3.7009e-01, 7.3156e-05, 3.9498e-02],  
[5.8571e-01, 9.4782e-05, 4.3837e-02],  
[2.7680e+01, 2.8893e-01, 1.4344e+00],  
[3.7708e+01, 2.0199e-01, 2.2184e+00],  
[3.1608e+01, 1.1467e-01, 1.7036e+00],  
[1.4261e+02, 1.0513e+00, 2.5314e+00],  
[1.3344e+01, 9.5132e-02, 7.7877e-01],  
[9.8814e+01, 8.6698e-01, 2.5966e+00],  
[1.2401e-01, 1.6303e-06, 1.8390e-02],  
[1.9183e+01, 2.1737e-02, 6.1483e-01],  
[4.8183e-02, 1.2624e-07, 6.6694e-03],  
[2.0649e+01, 1.5130e-01, 8.5124e-01],  
[5.8653e+01, 4.4512e-01, 1.2778e+00],  
[1.3271e+01, 2.3123e-02, 1.0299e+00],  
[1.8964e-01, 4.7069e-06, 2.6066e-02],  
[1.8444e+02, 1.3864e+00, 2.8118e+00],  
[2.5903e+01, 8.2380e-02, 1.3052e+00],  
[3.5461e+00, 3.6182e-03, 2.8045e-01],  
[3.5069e+00, 5.8617e-03, 3.3301e-01],  
[1.8671e+00, 8.0202e-04, 1.9094e-01],  
[5.5419e+00, 7.0632e-03, 4.3041e-01],  
[1.7740e-01, 7.6073e-06, 2.5358e-02],  
[1.4008e+02, 1.4016e+00, 3.3838e+00],  
[1.7489e+00, 1.6421e-04, 1.1235e-01],  
[7.8257e-02, 1.6873e-06, 1.1240e-02],  
[4.8513e-01, 8.9915e-05, 5.3107e-02],  
[2.9116e+01, 1.0280e-01, 1.1026e+00],  
[7.5253e-01, 1.4183e-04, 5.4445e-02],  
[3.9060e+01, 2.3685e-01, 9.5199e-01],  
[7.5703e+00, 6.1377e-03, 4.3300e-01],  
[1.1278e+01, 3.1140e-02, 7.6021e-01],  
[5.2834e+00, 4.2536e-04, 2.6585e-01],  
[3.5375e+00, 9.5836e-04, 2.6518e-01],  
[4.7014e+01, 5.9493e-01, 2.6875e+00],  
[2.8421e+00, 5.1174e-03, 3.3716e-01],  
[1.3634e+00, 7.9390e-04, 1.4320e-01],  
[1.5126e-01, 5.0233e-06, 1.8615e-02],  
[1.1924e+00, 4.8638e-04, 1.4334e-01],  
[6.1904e-02, 4.5337e-06, 9.3468e-03],

[1.1154e+00, 1.3945e-04, 6.5820e-02],  
[6.1249e+00, 2.8986e-02, 6.3990e-01],  
[4.8918e-01, 1.0526e-04, 5.6140e-02],  
[1.8172e-02, 9.0293e-08, 2.6908e-03],  
[1.3473e+00, 8.3473e-04, 1.4326e-01],  
[1.2728e+01, 8.1229e-02, 6.6831e-01],  
[1.6987e-02, 1.0018e-07, 2.5640e-03],  
[6.9166e-01, 1.3367e-04, 9.2044e-02],  
[7.6329e+01, 1.2986e+00, 2.9382e+00],  
[6.8518e+00, 7.9347e-03, 3.6135e-01],  
[9.4702e-02, 3.9233e-06, 1.1591e-02],  
[1.6328e-01, 1.1735e-05, 1.6940e-02],  
[2.7719e+01, 8.6350e-02, 1.0431e+00],  
[1.5220e+00, 3.7452e-04, 1.2564e-01],  
[2.5707e+00, 1.1199e-03, 1.4534e-01],  
[4.0998e+00, 8.2960e-04, 4.1653e-01],  
[6.6674e-02, 6.2963e-07, 8.2379e-03],  
[1.0084e-01, 3.4925e-06, 1.2777e-02],  
[1.1130e+02, 2.0908e+00, 3.8127e+00],  
[1.1709e+02, 9.2050e-01, 3.6485e+00],  
[1.6705e+01, 1.1118e-01, 1.1312e+00],  
[8.6890e-03, 1.1705e-07, 1.3614e-03],  
[1.0088e+01, 8.4619e-03, 1.0295e+00],  
[5.1489e-01, 7.7373e-05, 5.5718e-02],  
[3.4961e+01, 4.1817e-02, 1.6223e+00],  
[3.3203e+01, 7.1699e-02, 1.0888e+00],  
[2.2350e+01, 2.5268e-01, 1.2859e+00],  
[8.5346e+01, 3.0155e-01, 2.9039e+00],  
[7.1284e+00, 1.1677e-02, 4.6944e-01],  
[2.2188e+00, 3.2810e-04, 2.0155e-01],  
[1.7547e-02, 4.9168e-07, 2.6239e-03],  
[1.3044e+00, 2.9871e-03, 1.7535e-01],  
[7.2964e+00, 4.4716e-03, 4.0644e-01],  
[1.0112e+02, 2.7297e+00, 2.5298e+00],  
[4.2308e+01, 1.2572e-01, 1.0140e+00],  
[2.1728e+01, 9.6472e-02, 1.2218e+00],  
[4.1612e+01, 4.4585e-01, 1.3249e+00],  
[1.3639e+00, 1.9772e-04, 1.0296e-01],  
[6.1227e+00, 1.0581e-02, 3.6697e-01],  
[1.1567e+02, 2.5971e+00, 3.5727e+00],  
[5.3544e-01, 6.5742e-06, 4.3122e-02],  
[4.4832e-01, 1.2938e-05, 3.3450e-02],  
[4.1269e+00, 5.8862e-03, 3.1750e-01],  
[5.5087e+01, 3.1161e-02, 1.6573e+00],  
[2.0334e+01, 6.6403e-02, 8.9481e-01],  
[1.1137e+01, 2.7633e-02, 5.1121e-01],  
[1.6155e+00, 1.3973e-04, 9.5951e-02],  
[7.3315e+01, 1.5494e-01, 1.7971e+00],

[4.2454e+00, 4.5746e-03, 2.8684e-01],  
[4.7884e-01, 3.3530e-05, 6.2438e-02],  
[2.4353e+00, 1.6431e-03, 1.5820e-01],  
[4.2089e-02, 1.3428e-07, 5.9373e-03],  
[2.1719e+00, 3.2033e-04, 1.3554e-01],  
[1.4934e-01, 8.6862e-06, 1.8074e-02],  
[2.4342e+00, 8.1314e-04, 1.7219e-01],  
[1.2310e-01, 7.8546e-07, 1.5798e-02],  
[9.6419e+01, 6.7453e-01, 2.3351e+00],  
[1.3042e+02, 1.6112e-01, 3.4846e+00],  
[2.8985e+01, 2.6303e-01, 1.8492e+00],  
[5.5339e+01, 5.2312e-02, 1.1956e+00],  
[4.0847e+01, 3.6016e-01, 2.3316e+00],  
[5.3590e+00, 6.1233e-03, 3.5669e-01],  
[9.1130e-01, 8.5083e-05, 1.0966e-01],  
[8.5251e+01, 2.4934e-02, 2.7524e+00],  
[3.3040e+01, 1.2814e-01, 1.1696e+00],  
[1.8804e+01, 4.6443e-02, 7.5632e-01],  
[4.6787e+01, 1.7439e-01, 2.6967e+00],  
[3.7374e-01, 3.4272e-05, 3.3514e-02],  
[4.8182e+00, 1.1621e-02, 3.6496e-01],  
[7.0384e-01, 1.9492e-05, 5.5828e-02],  
[1.1517e+02, 1.2725e+00, 3.0633e+00],  
[1.1067e+02, 1.0617e+00, 3.6062e+00],  
[3.2532e-01, 9.4353e-06, 4.3870e-02],  
[3.5528e+01, 5.8301e-02, 1.6162e+00],  
[2.4906e+00, 4.9730e-03, 2.2422e-01],  
[5.8773e-02, 9.1666e-07, 7.5602e-03],  
[6.4578e+01, 8.0683e-02, 3.3051e+00],  
[3.3031e-01, 1.1646e-04, 4.2281e-02],  
[1.3716e+02, 2.3877e+00, 4.5349e+00],  
[1.9964e+01, 2.5030e-02, 6.9166e-01],  
[7.3576e-01, 1.4840e-04, 6.0662e-02],  
[6.1056e+00, 8.3090e-03, 5.3138e-01],  
[2.7030e+01, 9.0520e-02, 1.8945e+00],  
[6.7180e+01, 5.4293e-01, 1.8818e+00],  
[6.2462e+01, 2.9360e-01, 1.6177e+00],  
[6.8353e-02, 3.5989e-07, 9.4222e-03],  
[2.6768e+01, 5.8646e-02, 1.6070e+00],  
[3.6137e-02, 1.0684e-06, 5.0325e-03],  
[5.3480e+01, 4.0336e-01, 1.8280e+00],  
[1.5039e+01, 3.8057e-02, 6.5904e-01],  
[4.1377e+00, 6.6398e-03, 2.9325e-01],  
[2.5574e+00, 1.5848e-03, 1.8398e-01],  
[3.5747e+00, 2.7944e-03, 2.3520e-01],  
[5.0377e+01, 7.4927e-01, 2.0684e+00],  
[4.1020e-02, 6.8098e-07, 6.0304e-03],  
[1.3042e+02, 2.8843e+00, 3.9746e+00],

[8.4111e+01, 2.0787e-01, 3.6714e+00],  
 [5.6530e-01, 4.7305e-05, 7.6988e-02],  
 [1.6727e+02, 1.0734e-01, 3.0087e+00],  
 [1.9179e+01, 1.3778e-01, 9.0677e-01],  
 [7.7233e-01, 9.7074e-05, 8.8534e-02],  
 [2.0198e+00, 1.5176e-03, 1.5455e-01],  
 [8.6950e+00, 8.1339e-03, 8.9202e-01],  
 [6.1855e+01, 1.4067e-01, 1.1857e+00],  
 [2.8438e-02, 3.5028e-07, 3.9307e-03],  
 [8.9872e+00, 9.5160e-03, 4.6524e-01],  
 [8.2165e+01, 1.3266e+00, 3.8284e+00],  
 [1.6622e-01, 1.8441e-05, 1.8142e-02],  
 [2.9630e+00, 3.7628e-04, 1.7188e-01],  
 [4.9563e-01, 3.4787e-05, 4.8716e-02],  
 [1.2151e+02, 1.6569e+00, 3.0880e+00],  
 [7.0595e+01, 7.7555e-01, 1.3821e+00],  
 [9.2124e+00, 4.2705e-02, 6.0684e-01],  
 [1.8177e+02, 5.9642e+00, 3.6257e+00],  
 [7.8644e+00, 1.0133e-02, 5.2422e-01],  
 [1.9472e-01, 2.6538e-05, 2.1326e-02],  
 [6.4994e-01, 1.2027e-04, 6.7921e-02],  
 [1.3051e+01, 1.9652e-02, 4.2527e-01],  
 [2.3344e+00, 2.2643e-03, 1.7674e-01],  
 [6.6653e+01, 1.0067e-01, 2.2354e+00],  
 [5.5865e-01, 6.2564e-05, 8.1687e-02],  
 [1.2906e-01, 8.0392e-06, 1.8473e-02],  
 [1.7504e+01, 7.4067e-02, 9.5946e-01],  
 [3.9567e+00, 1.8479e-03, 2.6471e-01],  
 [5.9575e+01, 1.5755e-01, 1.6830e+00],  
 [1.5996e+01, 9.2319e-02, 1.1418e+00],  
 [1.4277e-01, 3.7751e-06, 1.5135e-02],  
 [2.9341e+01, 6.3433e-02, 1.3640e+00],  
 [2.3760e+00, 3.2485e-03, 2.0650e-01],  
 [3.1333e+01, 1.2306e-01, 9.8339e-01],  
 [3.2643e+01, 1.7422e-01, 8.7469e-01],  
 [8.4356e+01, 5.0327e-01, 1.7594e+00],  
 [2.2618e+01, 1.0961e-01, 1.1164e+00],  
 [1.2422e+00, 3.3221e-04, 9.3717e-02],  
 [2.3474e+01, 7.2996e-02, 7.6607e-01],  
 [1.1601e+01, 2.5162e-02, 8.6784e-01],  
 [9.3434e-02, 5.5107e-06, 1.4096e-02],  
 [4.2536e-01, 4.9719e-05, 4.7241e-02],  
 [7.6148e+01, 1.3072e+00, 2.1459e+00],  
 [2.7698e+00, 1.4704e-03, 2.1858e-01],  
 [7.4235e-01, 3.4494e-04, 9.4061e-02],  
 [8.5125e+00, 2.3378e-02, 3.8772e-01],  
 [3.0869e+01, 1.8635e-01, 1.6574e+00],  
 [1.3221e+01, 3.2130e-03, 5.5896e-01],

```

[1.6353e+02, 3.9247e+00, 3.8427e+00],
[9.0419e-01, 4.0739e-05, 7.4208e-02],
[3.7708e+01, 8.9024e-02, 1.7905e+00],
[1.1515e+01, 2.2545e-02, 5.6501e-01],
[9.6830e-01, 4.9621e-04, 9.0062e-02],
[3.8593e+01, 1.6637e-01, 1.4486e+00],
[8.0976e+01, 1.0472e+00, 3.0084e+00],
[2.9670e-01, 7.8051e-06, 3.3735e-02],
[4.2233e+01, 6.0454e-02, 1.1062e+00],
[7.2159e+01, 3.2611e-01, 2.4696e+00],
[1.7366e+01, 2.1095e-02, 6.4012e-01],
[1.4757e-01, 1.2181e-05, 2.0063e-02],
[1.0874e-01, 3.3496e-06, 1.3774e-02],
[3.0514e-01, 1.7126e-05, 4.1387e-02],
[2.7501e-01, 1.2501e-05, 2.6816e-02],
[8.3520e-01, 1.2831e-05, 5.7463e-02],
[3.3230e-01, 1.2364e-06, 3.4983e-02],
[4.0782e+00, 4.7318e-04, 3.1351e-01],
[3.6404e+00, 1.6340e-03, 3.0517e-01],
[1.6484e+01, 4.4447e-02, 7.7742e-01],
[2.6847e-02, 9.9180e-07, 3.8510e-03],
[1.9563e+00, 8.8456e-04, 1.5385e-01],
[7.2227e+01, 7.5377e-01, 1.6780e+00],
[2.0775e+01, 8.5344e-02, 8.5352e-01],
[7.8117e+00, 5.4902e-02, 6.7146e-01],
[5.9988e+01, 3.4334e-01, 1.6729e+00],
[6.4755e+01, 6.9119e-01, 1.4890e+00],
[6.0091e+00, 1.5876e-03, 2.9734e-01],
[1.0571e-01, 6.9308e-07, 1.4381e-02],
[4.7502e+01, 1.1136e+00, 2.9416e+00],
[8.6008e+01, 7.1420e-01, 2.3145e+00],
[2.9118e+01, 1.2497e-01, 1.4250e+00],
[5.7410e+01, 1.0321e-01, 3.0557e+00],
[3.8223e+00, 2.1371e-03, 1.9507e-01],
[2.0169e+00, 8.7699e-04, 1.9896e-01],
[3.9929e+01, 7.2741e-01, 2.6473e+00],
[3.7352e+00, 2.4378e-03, 2.2997e-01],
[5.5376e+00, 8.2871e-03, 5.2310e-01],
[8.6952e+00, 5.6624e-03, 6.7112e-01],
[1.0511e+02, 6.0217e-01, 3.3742e+00],
[3.2532e-01, 4.0290e-05, 2.7195e-02],
[1.4251e+02, 2.9946e+00, 3.1747e+00],
[2.0491e+00, 3.2292e-03, 1.9237e-01],
[3.0240e+01, 8.0252e-02, 8.5337e-01]], dtype=torch.float64)

```

Iteration: 262

```

Inputs: tensor([[1.3030e+20, 2.4939e+02, 1.1024e+01, 4.7489e+00],
                [2.2477e+18, 2.9799e+02, 1.9106e+01, 3.8978e+00],
                [8.5694e+20, 1.7938e+02, 1.2081e+01, 2.1591e+00],

```

```

...,
[1.7877e+18, 3.9863e+02, 3.8892e+00, 1.6871e+00],
[1.5681e+18, 8.5346e+01, 1.8145e+01, 3.8391e+00],
[4.2248e+19, 2.9480e+02, 1.7195e+00, 7.0526e+00]], dtype=torch.float64)
Target: tensor([[3.3024e+01, 1.3322e-01, 1.4352e+00],
[8.8878e-02, 3.2762e-06, 1.1630e-02],
[5.1242e+01, 1.6911e-01, 3.1859e+00],
[1.5207e+01, 1.1566e-01, 1.2447e+00],
[1.4919e+02, 4.0145e+00, 3.4503e+00],
[2.6387e+01, 1.1406e-01, 1.4939e+00],
[4.3999e+00, 1.0995e-03, 3.6837e-01],
[1.3259e+02, 8.3082e-01, 3.0878e+00],
[4.8320e+00, 9.5587e-04, 2.2411e-01],
[4.7955e+00, 3.2364e-03, 6.0524e-01],
[4.6649e+00, 1.1737e-02, 3.3250e-01],
[9.4453e+00, 6.6701e-02, 6.2583e-01],
[1.2091e-02, 1.3114e-08, 1.7859e-03],
[9.0710e-02, 2.7435e-06, 1.0637e-02],
[6.3945e-02, 1.5172e-06, 8.3119e-03],
[5.6576e+01, 7.5929e-01, 2.1070e+00],
[3.2096e+01, 3.2641e-01, 9.3461e-01],
[2.3293e+00, 3.7428e-04, 1.3289e-01],
[4.2857e-01, 8.7986e-05, 3.7716e-02],
[1.6398e-01, 2.9569e-06, 1.9732e-02],
[4.2016e-02, 4.3703e-07, 5.7957e-03],
[5.9581e+00, 2.8159e-03, 2.4288e-01],
[5.9508e+00, 1.2717e-03, 3.2609e-01],
[1.7066e-01, 2.0171e-05, 1.9989e-02],
[4.2078e+01, 1.8227e-01, 1.8738e+00],
[1.0418e+01, 3.4175e-02, 5.5864e-01],
[8.7492e+01, 5.0369e-01, 3.8655e+00],
[4.4261e-01, 4.6688e-05, 5.4162e-02],
[3.0596e-01, 3.2302e-05, 3.5420e-02],
[4.7805e+00, 3.7480e-03, 3.0859e-01],
[6.8037e+01, 8.5681e-02, 3.3697e+00],
[9.8825e-02, 4.7519e-06, 1.3594e-02],
[9.7925e+01, 1.5561e+00, 2.5425e+00],
[3.6371e-01, 7.0840e-05, 3.1762e-02],
[6.5263e+00, 2.0431e-02, 6.2141e-01],
[1.6873e-01, 3.7295e-05, 2.2722e-02],
[3.9796e-01, 2.8831e-05, 4.8112e-02],
[6.4480e+00, 4.7628e-03, 2.6435e-01],
[5.9050e+01, 9.0302e-01, 1.9054e+00],
[3.8289e+00, 2.4885e-03, 2.0140e-01],
[1.5745e+02, 1.4390e+00, 4.3879e+00],
[1.1296e+00, 6.0980e-04, 1.5093e-01],
[6.2521e+00, 6.2107e-03, 6.6068e-01],
[7.1412e-01, 1.7874e-04, 9.8065e-02],

```

[5.8888e+01, 1.5869e-01, 3.2910e+00],  
 [3.6273e-01, 1.1172e-05, 4.3273e-02],  
 [1.6550e-01, 3.6291e-06, 2.2168e-02],  
 [2.2815e+01, 1.3823e-01, 1.4355e+00],  
 [5.6049e+00, 1.4897e-02, 3.9855e-01],  
 [3.7396e+01, 2.4362e-01, 9.8434e-01],  
 [8.2597e-01, 3.6953e-04, 7.9024e-02],  
 [4.2312e+01, 4.7945e-01, 1.7306e+00],  
 [5.4309e-01, 1.1639e-04, 5.6242e-02],  
 [1.9868e+01, 4.5536e-02, 7.3962e-01],  
 [6.2732e+01, 7.5556e-01, 1.5286e+00],  
 [7.2612e+00, 2.2739e-02, 4.4459e-01],  
 [7.0026e+00, 1.5456e-02, 5.5412e-01],  
 [4.8876e+01, 5.7240e-02, 1.8376e+00],  
 [1.0940e+01, 1.9574e-02, 7.3679e-01],  
 [2.9285e+01, 9.3280e-02, 1.6825e+00],  
 [1.5879e-02, 5.8589e-08, 2.3799e-03],  
 [1.3956e+01, 6.5484e-02, 1.3404e+00],  
 [8.5661e-02, 3.1675e-06, 1.0772e-02],  
 [3.3637e-02, 1.1252e-06, 4.5773e-03],  
 [2.0096e+02, 6.7428e+00, 4.1691e+00],  
 [9.6190e+01, 2.5730e-01, 1.9493e+00],  
 [2.2432e-02, 3.4797e-07, 3.3755e-03],  
 [2.1213e+02, 1.0190e+01, 4.4865e+00],  
 [6.4110e+00, 3.9128e-03, 2.5746e-01],  
 [7.9939e+01, 4.4586e-01, 1.6760e+00],  
 [1.0654e+01, 2.4166e-02, 1.0931e+00],  
 [1.5310e+01, 4.5649e-03, 8.6353e-01],  
 [1.0896e+02, 2.0333e+00, 3.0109e+00],  
 [9.4673e-01, 8.9921e-05, 1.0607e-01],  
 [3.3010e+01, 1.1278e-02, 1.9351e+00],  
 [5.4482e+00, 1.1212e-03, 3.6088e-01],  
 [5.3884e-01, 8.2315e-05, 4.8943e-02],  
 [5.5855e+01, 1.7270e-01, 1.7443e+00],  
 [4.4703e+00, 3.4484e-04, 2.7825e-01],  
 [2.7135e+01, 1.4718e-01, 8.2791e-01],  
 [9.9450e+01, 2.4383e+00, 2.5225e+00],  
 [6.2536e-02, 2.5767e-06, 8.9305e-03],  
 [5.3835e+00, 3.0908e-03, 3.1834e-01],  
 [1.1186e+01, 4.7475e-02, 5.1254e-01],  
 [4.4049e+00, 4.6172e-03, 2.4016e-01],  
 [3.5494e+00, 2.6229e-03, 3.1341e-01],  
 [2.4999e+00, 2.4615e-04, 1.5504e-01],  
 [4.4064e+01, 4.0826e-01, 1.2399e+00],  
 [2.3428e+01, 1.3265e-01, 2.0437e+00],  
 [1.7790e+02, 3.1977e+00, 4.7240e+00],  
 [5.5879e-01, 9.9951e-05, 5.6504e-02],  
 [4.9430e+01, 1.2678e-01, 2.4992e+00],



[9.5428e+01, 1.6479e+00, 3.7425e+00],  
[2.6805e+01, 8.3212e-02, 9.4102e-01],  
[1.1526e+02, 2.2159e+00, 2.4002e+00],  
[1.9674e+01, 7.2704e-02, 1.3915e+00],  
[1.0095e-01, 1.7700e-06, 1.2285e-02],  
[4.1066e+01, 4.6997e-01, 1.6338e+00],  
[1.3529e+02, 1.1278e-01, 3.4258e+00],  
[9.4330e-01, 1.3693e-03, 1.1803e-01],  
[1.8193e-01, 2.3220e-05, 2.4791e-02],  
[1.7119e+00, 1.3848e-03, 1.4323e-01],  
[1.7502e+01, 3.7470e-02, 8.8052e-01],  
[3.4134e-02, 3.6307e-07, 4.8162e-03],  
[1.2881e+01, 3.7486e-03, 4.3793e-01],  
[1.4608e+00, 6.2707e-04, 1.6039e-01],  
[5.9637e+01, 3.6245e-01, 2.0900e+00],  
[6.3797e+01, 7.7912e-01, 2.2281e+00],  
[2.3746e+01, 2.2384e-01, 1.7120e+00],  
[1.2147e-01, 3.2394e-06, 1.6322e-02],  
[3.9562e+00, 2.9012e-03, 2.9512e-01],  
[9.4685e-01, 1.3344e-04, 1.0108e-01],  
[6.3452e-02, 5.7616e-06, 9.2183e-03],  
[1.7092e+00, 6.5510e-04, 1.4904e-01],  
[4.5156e+00, 7.3718e-03, 2.7100e-01],  
[2.0998e-01, 2.7658e-05, 2.3057e-02],  
[5.2812e+00, 9.7879e-04, 2.6255e-01],  
[8.0473e+01, 2.5655e-01, 1.5223e+00],  
[3.1345e+01, 4.0935e-01, 2.2136e+00],  
[2.3764e+01, 1.6995e-01, 1.0842e+00],  
[1.3619e+00, 3.1395e-04, 9.2420e-02],  
[3.1564e+01, 1.6929e-01, 1.1701e+00],  
[4.3075e+00, 3.3554e-04, 2.4185e-01],  
[1.2098e+02, 1.5098e+00, 3.8277e+00],  
[1.8578e-01, 5.2167e-06, 2.6241e-02],  
[4.4667e+01, 2.8437e-01, 1.4620e+00],  
[2.4094e+02, 7.7115e+00, 4.8915e+00],  
[5.7810e+00, 2.0543e-02, 4.3539e-01],  
[7.2190e+01, 6.9333e-01, 2.1908e+00],  
[7.6651e-01, 4.0782e-05, 8.6506e-02],  
[3.8633e+01, 1.5615e-01, 9.8223e-01],  
[2.2995e+00, 1.5770e-03, 1.6595e-01],  
[1.1718e+02, 1.9742e+00, 3.9703e+00],  
[2.7136e+00, 1.0347e-03, 2.2349e-01],  
[1.0526e-01, 3.0945e-06, 1.3533e-02],  
[2.8663e+01, 9.0707e-02, 1.2929e+00],  
[1.5695e+01, 3.5308e-02, 7.2030e-01],  
[5.9056e+01, 7.1539e-02, 3.0662e+00],  
[1.7383e+02, 3.5772e+00, 3.6426e+00],  
[1.3699e+00, 2.7680e-04, 1.0115e-01],

[1.3291e+02, 2.8970e-01, 3.4789e+00],  
 [2.4418e+01, 1.2042e-01, 1.8519e+00],  
 [7.2414e+01, 1.2729e+00, 3.0525e+00],  
 [1.3488e+02, 1.4646e+00, 2.2051e+00],  
 [1.8096e+02, 3.8081e+00, 3.6082e+00],  
 [7.4864e-01, 3.4008e-04, 8.3369e-02],  
 [1.8425e+01, 1.1092e-01, 7.3655e-01],  
 [4.1732e+01, 2.9387e-01, 1.4561e+00],  
 [2.7075e-03, 1.6685e-09, 4.3036e-04],  
 [4.4273e+01, 1.2128e-01, 1.7306e+00],  
 [7.1338e+01, 4.0995e-01, 3.0735e+00],  
 [1.7253e+02, 1.8551e-01, 3.5017e+00],  
 [4.7013e-01, 1.0244e-04, 4.6799e-02],  
 [9.7815e-01, 3.9826e-04, 1.2358e-01],  
 [5.4614e+01, 9.2182e-01, 2.1821e+00],  
 [6.0820e-01, 1.1741e-04, 5.2163e-02],  
 [1.1457e-01, 3.5852e-06, 1.4653e-02],  
 [7.8258e-02, 3.7365e-06, 1.1416e-02],  
 [1.6386e+00, 1.0694e-03, 1.7327e-01],  
 [3.3163e-02, 7.0632e-07, 4.5699e-03],  
 [1.0360e+02, 3.0426e+00, 2.9803e+00],  
 [6.2640e-01, 7.2253e-05, 7.5595e-02],  
 [3.0923e+01, 2.9382e-02, 1.9609e+00],  
 [9.0646e-01, 1.2798e-04, 6.8168e-02],  
 [1.1397e+02, 5.8906e-01, 3.5135e+00],  
 [2.9899e+02, 9.5667e+00, 4.9086e+00],  
 [1.6090e+00, 1.7026e-03, 1.8657e-01],  
 [1.1532e-01, 3.0458e-06, 1.6894e-02],  
 [7.0243e-02, 6.4173e-07, 9.5142e-03],  
 [3.9341e-01, 4.6738e-05, 5.1127e-02],  
 [6.8745e+00, 8.8633e-03, 5.1558e-01],  
 [1.4938e-01, 4.4601e-07, 1.9078e-02],  
 [2.9318e-01, 6.0885e-05, 3.2430e-02],  
 [1.6695e+01, 5.7939e-02, 7.5212e-01],  
 [1.3230e-01, 1.8283e-05, 1.9054e-02],  
 [5.4531e+00, 2.9800e-03, 3.3145e-01],  
 [9.4889e+01, 1.9928e+00, 3.9577e+00],  
 [4.2160e-01, 1.1872e-04, 4.3862e-02],  
 [3.4398e-01, 3.8304e-05, 3.4835e-02],  
 [6.6862e-01, 7.8278e-05, 6.5622e-02],  
 [8.0958e-01, 2.4825e-04, 1.0237e-01],  
 [2.2359e-01, 1.2140e-05, 2.5509e-02],  
 [2.3867e+01, 6.5401e-02, 9.5909e-01],  
 [2.6061e+02, 5.8234e+00, 4.4362e+00],  
 [3.9991e+00, 2.8449e-03, 2.7813e-01],  
 [5.8284e+01, 8.9144e-01, 2.1396e+00],  
 [1.7766e+00, 3.1110e-04, 1.2388e-01],  
 [1.4084e+00, 4.7828e-04, 1.3255e-01],

[1.7595e+00, 3.0780e-04, 2.0566e-01],  
 [2.7171e-01, 8.7613e-06, 3.2494e-02],  
 [1.4008e+02, 1.1993e+00, 2.7558e+00],  
 [5.8773e+00, 6.1703e-04, 3.4028e-01],  
 [3.4100e-01, 2.6759e-05, 3.7227e-02],  
 [1.1365e+00, 2.8811e-04, 9.5910e-02],  
 [3.1038e+01, 3.5461e-01, 9.9485e-01],  
 [1.2503e+02, 2.4552e+00, 2.6542e+00],  
 [1.0759e+02, 1.0340e-01, 2.7067e+00],  
 [1.6300e+00, 3.1092e-04, 1.5355e-01],  
 [4.2004e+00, 1.2831e-03, 1.8038e-01],  
 [2.3917e-01, 9.9015e-06, 2.3761e-02],  
 [2.4819e-02, 6.9759e-07, 3.7171e-03],  
 [1.7015e+00, 2.7553e-03, 2.2343e-01],  
 [1.2471e+01, 3.9694e-02, 5.9247e-01],  
 [7.6051e+00, 1.8478e-03, 3.6567e-01],  
 [7.4485e-02, 5.4029e-06, 1.0334e-02],  
 [1.0114e+01, 5.1238e-02, 7.9883e-01],  
 [2.2780e+00, 2.4622e-03, 1.9683e-01],  
 [7.2260e+01, 1.1846e+00, 2.2976e+00],  
 [9.2983e+01, 1.8465e+00, 3.1035e+00],  
 [1.8057e+01, 6.1187e-03, 6.5246e-01],  
 [2.8089e+01, 2.4806e-01, 1.7000e+00],  
 [1.1942e+00, 6.5921e-05, 7.9041e-02],  
 [6.2383e+01, 8.3064e-01, 1.7259e+00],  
 [1.2313e+02, 6.1130e-01, 2.9472e+00],  
 [5.4925e-02, 2.4187e-07, 7.5360e-03],  
 [1.2001e+01, 2.0261e-02, 1.0054e+00],  
 [3.0226e+00, 3.7955e-03, 2.1278e-01],  
 [2.8229e+00, 9.0040e-04, 1.9725e-01],  
 [1.4798e+00, 4.3307e-04, 9.7556e-02],  
 [6.7095e+00, 3.1632e-03, 2.2587e-01],  
 [8.1077e-01, 1.4026e-04, 6.7307e-02],  
 [8.3191e+00, 1.9123e-02, 4.6434e-01],  
 [2.5767e+01, 1.6797e-01, 1.5699e+00],  
 [2.2744e+02, 3.3026e+00, 4.8272e+00],  
 [2.0722e-02, 2.1662e-07, 3.0595e-03],  
 [7.0631e+00, 8.8500e-03, 3.9773e-01],  
 [1.2648e+02, 4.5597e-01, 2.4182e+00],  
 [6.4919e-02, 9.2022e-07, 8.4607e-03],  
 [1.0100e+00, 3.9236e-04, 9.7475e-02],  
 [7.9639e-01, 1.1804e-04, 1.0346e-01],  
 [1.3104e+01, 5.6812e-02, 7.5037e-01],  
 [5.7536e-02, 1.2319e-06, 7.8452e-03],  
 [1.8216e+00, 1.7156e-03, 1.5024e-01],  
 [2.3915e+01, 1.7278e-01, 1.9682e+00],  
 [5.2587e+01, 2.7288e-01, 2.2095e+00],  
 [2.1335e+01, 7.0626e-02, 1.3431e+00],

[7.1521e+00, 1.1535e-02, 4.4207e-01],  
 [9.3379e-01, 2.0760e-04, 1.0663e-01],  
 [5.0938e+01, 4.1480e-01, 1.5802e+00],  
 [1.1675e+00, 5.6636e-05, 1.0360e-01],  
 [1.0681e+01, 6.1326e-03, 6.0425e-01],  
 [4.1297e-01, 1.9624e-05, 4.9000e-02],  
 [3.4257e+00, 8.6937e-05, 1.5962e-01],  
 [6.2505e-01, 3.8268e-05, 7.2588e-02],  
 [4.5760e+01, 1.9092e-01, 1.1253e+00],  
 [1.1863e-01, 1.7217e-06, 1.3630e-02],  
 [1.6140e+01, 4.6813e-02, 1.2199e+00],  
 [2.6961e+01, 5.6761e-02, 1.4488e+00],  
 [2.5829e+01, 3.0497e-01, 1.3932e+00],  
 [6.4151e+00, 6.1473e-03, 4.0558e-01],  
 [9.5657e+01, 3.4929e-02, 2.3635e+00],  
 [1.1152e+01, 2.5588e-02, 8.1824e-01],  
 [3.6287e-01, 2.3177e-05, 3.2057e-02],  
 [7.0029e+00, 1.1703e-02, 3.2559e-01],  
 [1.8554e-02, 2.3787e-07, 2.9129e-03],  
 [6.6459e-01, 8.3242e-05, 5.6033e-02],  
 [2.7338e+01, 2.4523e-01, 9.5287e-01],  
 [3.1943e-01, 2.5716e-05, 3.6696e-02],  
 [6.6625e+00, 4.1479e-03, 6.1433e-01],  
 [6.0383e+00, 3.4223e-04, 4.2133e-01],  
 [7.9524e+01, 1.6884e+00, 2.2209e+00],  
 [1.7198e+02, 3.4165e+00, 2.7515e+00],  
 [5.4145e-02, 2.3650e-07, 8.0188e-03],  
 [4.7725e+00, 3.5362e-03, 2.1555e-01],  
 [1.8769e+00, 4.6842e-04, 1.7521e-01],  
 [8.0145e+01, 2.3738e-01, 2.7665e+00],  
 [2.8662e+01, 7.7454e-02, 1.1830e+00],  
 [9.2147e+00, 3.5912e-02, 7.2178e-01],  
 [1.1172e+02, 1.5585e-01, 3.0932e+00],  
 [3.1612e+01, 3.7731e-02, 1.0311e+00],  
 [1.4117e+02, 3.6660e+00, 3.9196e+00],  
 [5.5131e+00, 2.4837e-03, 2.7728e-01],  
 [6.2077e+00, 1.1874e-02, 3.3166e-01],  
 [1.8710e-01, 4.6889e-06, 2.3302e-02],  
 [2.4930e-01, 3.2789e-05, 2.5927e-02],  
 [3.6499e+01, 9.2790e-02, 2.0405e+00],  
 [1.5900e+00, 1.0300e-04, 1.2829e-01],  
 [1.5409e-01, 1.2213e-06, 1.8221e-02],  
 [2.4240e+02, 6.6209e+00, 5.0230e+00],  
 [5.2975e-03, 2.8566e-08, 8.3252e-04],  
 [4.5992e+01, 1.5390e-01, 1.1831e+00],  
 [9.8343e+00, 5.3190e-03, 5.2809e-01],  
 [2.2379e-02, 4.7013e-07, 3.1873e-03],  
 [2.5913e-01, 2.2835e-05, 2.5635e-02],

```

[2.6447e-02, 3.4361e-07, 3.7592e-03],
[2.1667e+02, 5.6319e+00, 4.3368e+00],
[5.3024e+01, 3.1747e-01, 1.7328e+00],
[6.8869e+01, 8.9814e-02, 2.4008e+00],
[3.8449e-01, 3.5082e-05, 3.0866e-02],
[3.0840e+01, 1.6723e-01, 1.0963e+00],
[6.1019e+00, 2.3875e-02, 4.3821e-01],
[2.0314e+00, 4.5105e-04, 1.1083e-01],
[5.4149e+01, 7.7609e-02, 1.9414e+00],
[2.9696e-01, 1.1527e-04, 4.0185e-02],
[3.4379e-01, 3.7801e-05, 3.6010e-02],
[3.9179e+01, 1.4237e-01, 1.3958e+00],
[9.5743e+01, 3.3172e-01, 3.3291e+00],
[1.0842e+01, 6.8495e-03, 7.3644e-01],
[4.5432e-02, 6.8971e-07, 7.0002e-03],
[3.3663e+00, 4.8976e-03, 2.8011e-01],
[8.2882e+00, 1.6406e-02, 3.7417e-01],
[5.0566e+00, 6.2125e-03, 2.8778e-01],
[1.8058e+00, 5.6810e-04, 2.0686e-01],
[1.3934e+01, 8.3831e-02, 1.1123e+00],
[7.1878e+01, 6.0139e-01, 2.4484e+00],
[5.5104e-04, 6.6475e-11, 8.9928e-05],
[2.3578e+02, 4.9356e+00, 4.7636e+00],
[7.5885e+00, 1.4070e-02, 4.6859e-01],
[1.1494e-01, 9.1044e-06, 1.4557e-02],
[4.0289e+01, 8.0559e-01, 2.9184e+00],
[9.1962e-03, 1.1230e-08, 1.4089e-03],
[5.6094e+01, 5.1737e-01, 1.8426e+00],
[9.9252e+01, 2.6396e-01, 2.3480e+00],
[1.8204e+00, 3.9837e-04, 1.3544e-01],
[3.2152e+01, 2.0410e-01, 1.0276e+00],
[4.8136e+01, 2.2755e-01, 1.3361e+00],
[3.7241e+00, 4.2074e-03, 2.2310e-01],
[2.7825e-01, 2.0530e-06, 2.8134e-02],
[4.4013e-03, 1.1869e-08, 6.9112e-04],
[3.1148e+01, 7.4796e-02, 8.4806e-01]], dtype=torch.float64)
Iteration: 263
Inputs: tensor([[7.9235e+18, 1.3857e+02, 5.4436e+00, 4.9159e+00],
               [3.0041e+18, 2.9078e+01, 1.0653e+01, 3.2499e+00],
               [3.1882e+18, 3.1465e+02, 7.0663e+00, 9.6554e+00],
               ...,
               [3.2575e+20, 4.3891e+01, 9.7276e+00, 3.6352e+00],
               [8.5299e+20, 2.2941e+02, 1.2412e+01, 5.3567e+00],
               [2.5812e+20, 4.9607e+02, 9.3010e-01, 5.5170e+00]], dtype=torch.float64)
Target: tensor([[1.0417e+00, 1.6442e-04, 1.0155e-01],
               [2.8215e-03, 2.8364e-09, 4.5368e-04],
               [1.1549e+00, 3.8271e-04, 8.3294e-02],
               [1.9687e+01, 2.9678e-02, 9.6961e-01],

```

[7.3118e-01, 4.9687e-05, 6.3308e-02],  
[4.6690e+00, 2.0175e-03, 3.7568e-01],  
[3.6527e+00, 1.5677e-03, 1.5037e-01],  
[1.1041e+01, 5.8863e-02, 1.0606e+00],  
[9.3504e+01, 1.2678e+00, 3.1182e+00],  
[2.2578e+00, 1.5621e-04, 1.8665e-01],  
[4.7908e+00, 1.6464e-02, 4.2086e-01],  
[1.2792e+01, 6.1390e-03, 1.0380e+00],  
[1.7264e+02, 3.8226e+00, 4.5262e+00],  
[1.8464e+02, 6.4842e+00, 4.6605e+00],  
[5.1025e+01, 1.0955e-01, 1.8330e+00],  
[3.5897e+01, 6.2156e-02, 9.4051e-01],  
[5.6620e-04, 4.3152e-11, 9.2402e-05],  
[4.2388e-01, 2.0792e-05, 4.6672e-02],  
[1.1136e+01, 1.5393e-03, 5.1883e-01],  
[2.0110e+01, 5.4353e-02, 1.1467e+00],  
[3.3496e+01, 3.7499e-02, 1.3700e+00],  
[1.0314e+01, 3.4930e-02, 7.5169e-01],  
[6.9467e+01, 6.6203e-01, 1.9774e+00],  
[2.6555e+00, 9.7640e-04, 3.5410e-01],  
[3.6363e-02, 7.1265e-07, 5.3199e-03],  
[5.6027e-01, 1.2333e-04, 4.6626e-02],  
[6.3394e+00, 1.8537e-03, 3.6090e-01],  
[8.1572e+00, 8.3727e-03, 3.3253e-01],  
[9.3685e+01, 7.3246e-01, 3.8015e+00],  
[1.1186e-02, 1.8238e-08, 1.7477e-03],  
[2.1276e-02, 4.0260e-07, 3.3350e-03],  
[5.2199e+01, 5.2958e-02, 2.0720e+00],  
[8.7969e+01, 1.5915e+00, 2.2543e+00],  
[4.3263e+00, 8.1160e-03, 2.9838e-01],  
[1.5774e+02, 3.2639e+00, 3.8906e+00],  
[5.9065e+01, 1.1802e+00, 1.6394e+00],  
[1.0950e+02, 1.1244e+00, 4.0783e+00],  
[7.4469e-01, 4.0463e-05, 8.8767e-02],  
[2.7235e-01, 3.9080e-05, 2.7957e-02],  
[2.6299e-02, 1.5194e-07, 3.8708e-03],  
[1.6692e+01, 1.1610e-02, 9.3687e-01],  
[1.3206e+02, 1.0108e+00, 3.7249e+00],  
[1.7205e+01, 7.9680e-02, 7.5099e-01],  
[2.9684e+00, 1.8115e-03, 2.2738e-01],  
[4.3398e+01, 5.5363e-01, 1.5871e+00],  
[8.6591e+00, 1.7599e-02, 7.7732e-01],  
[1.1945e+01, 9.2570e-03, 9.8561e-01],  
[9.9392e+01, 3.2245e-02, 2.1771e+00],  
[1.8139e+01, 1.4476e-02, 6.8628e-01],  
[5.4287e+01, 9.9337e-02, 1.3092e+00],  
[7.0699e+00, 2.0516e-02, 6.4864e-01],  
[6.5735e+01, 4.0549e-01, 2.4365e+00],

[2.0507e-03, 4.7062e-09, 3.2648e-04],  
 [3.4576e+00, 5.2154e-03, 2.7878e-01],  
 [1.6240e+02, 2.3422e+00, 4.3674e+00],  
 [3.3602e-01, 2.3089e-05, 3.7873e-02],  
 [5.4688e+01, 7.6605e-02, 1.5795e+00],  
 [2.1946e+01, 9.8645e-02, 9.4543e-01],  
 [2.0493e+00, 4.6872e-04, 2.0705e-01],  
 [1.2134e+01, 8.8762e-03, 4.4584e-01],  
 [9.2218e+01, 7.4037e-01, 3.9280e+00],  
 [1.1921e+01, 5.6921e-02, 5.9664e-01],  
 [2.7816e-01, 5.0668e-05, 3.4083e-02],  
 [6.1606e+01, 2.6276e-01, 2.5702e+00],  
 [2.7049e+00, 3.8857e-03, 2.2916e-01],  
 [1.0673e+00, 3.3041e-04, 8.7648e-02],  
 [7.5462e-01, 8.6035e-05, 6.3292e-02],  
 [2.9882e+01, 1.8066e-01, 9.2749e-01],  
 [3.3228e-03, 4.9665e-09, 5.2398e-04],  
 [1.6181e+00, 4.4458e-04, 1.2942e-01],  
 [7.8973e-01, 1.1998e-04, 1.0766e-01],  
 [5.9402e+00, 1.7628e-02, 4.3729e-01],  
 [1.3290e-02, 1.5314e-07, 1.9852e-03],  
 [5.3671e+00, 1.4995e-03, 2.6880e-01],  
 [4.6193e+00, 6.1682e-04, 3.9333e-01],  
 [1.3882e+01, 5.2080e-02, 6.5958e-01],  
 [2.7592e+01, 2.7017e-01, 1.7200e+00],  
 [2.3574e-02, 1.2822e-07, 3.5436e-03],  
 [6.1306e-01, 4.8103e-05, 4.8570e-02],  
 [9.9879e-02, 4.2550e-06, 1.5164e-02],  
 [6.1071e+01, 7.7930e-01, 3.2064e+00],  
 [1.7604e+01, 3.6248e-02, 7.6094e-01],  
 [2.2110e+00, 6.9707e-04, 1.2463e-01],  
 [4.5287e+01, 3.0529e-01, 1.3746e+00],  
 [9.2748e-01, 7.0069e-05, 5.6906e-02],  
 [1.0324e+02, 1.6107e+00, 4.3292e+00],  
 [2.5152e+01, 1.4354e-01, 1.4786e+00],  
 [1.0669e+00, 4.0124e-04, 8.5866e-02],  
 [4.1880e+01, 2.3722e-01, 2.4584e+00],  
 [2.9485e+00, 5.0421e-05, 1.7237e-01],  
 [1.0322e+02, 2.3042e+00, 2.3360e+00],  
 [4.2041e+01, 2.0731e-01, 9.7804e-01],  
 [3.4398e+01, 4.3393e-01, 1.2375e+00],  
 [5.4550e+01, 4.2641e-01, 1.8309e+00],  
 [1.3003e+01, 6.2513e-02, 1.2473e+00],  
 [1.6909e+02, 2.2470e+00, 4.3026e+00],  
 [2.9327e+01, 9.1218e-02, 8.1729e-01],  
 [1.4420e+00, 8.0413e-04, 1.5144e-01],  
 [7.1970e+01, 1.2363e+00, 2.5852e+00],  
 [1.1905e+00, 2.1712e-04, 1.1699e-01],

[2.2742e+01, 2.5542e-02, 1.6597e+00],  
 [2.0620e+01, 1.0027e-01, 8.0212e-01],  
 [1.3326e+02, 3.1189e+00, 3.2832e+00],  
 [1.4362e+02, 2.0033e+00, 3.4499e+00],  
 [1.6373e+01, 3.9002e-02, 6.7104e-01],  
 [1.1649e+02, 9.5356e-01, 2.7600e+00],  
 [3.4097e-01, 2.6461e-05, 3.4570e-02],  
 [8.8831e-01, 1.6850e-04, 7.6368e-02],  
 [1.4917e+02, 2.7640e+00, 2.5072e+00],  
 [1.0204e+01, 8.5224e-03, 4.0090e-01],  
 [2.5383e+01, 1.6048e-01, 9.5585e-01],  
 [1.2901e-02, 4.8295e-08, 1.9183e-03],  
 [1.9167e+01, 2.0405e-02, 9.8789e-01],  
 [6.4742e+00, 4.6952e-03, 3.9824e-01],  
 [1.5331e+01, 9.5873e-02, 8.8897e-01],  
 [3.3101e+01, 1.4326e-01, 1.0248e+00],  
 [4.9781e+00, 2.8644e-04, 3.7473e-01],  
 [1.4210e+02, 5.1248e+00, 3.1832e+00],  
 [3.4625e+01, 3.8263e-01, 2.1792e+00],  
 [3.9915e+00, 4.7887e-03, 3.9123e-01],  
 [1.5508e-01, 1.8332e-05, 1.9183e-02],  
 [1.2603e+02, 8.3860e-01, 3.2950e+00],  
 [5.7524e+00, 2.0602e-02, 5.8196e-01],  
 [6.8950e+00, 4.5853e-03, 2.8349e-01],  
 [9.2080e+00, 1.2353e-02, 5.0410e-01],  
 [1.0689e+00, 1.3091e-03, 1.2907e-01],  
 [9.5221e+00, 1.2000e-02, 9.9882e-01],  
 [2.2727e-01, 2.7358e-05, 2.5438e-02],  
 [2.8622e+01, 1.1436e-01, 1.7287e+00],  
 [3.7103e+01, 7.1000e-01, 2.1702e+00],  
 [5.8643e-02, 8.8363e-08, 8.0345e-03],  
 [3.2599e-03, 2.9321e-09, 5.2141e-04],  
 [2.0112e+02, 1.3474e+00, 3.6736e+00],  
 [8.9277e-01, 1.8104e-04, 1.0301e-01],  
 [5.5941e+00, 1.8347e-02, 4.2929e-01],  
 [3.8333e+01, 5.9686e-02, 1.4711e+00],  
 [7.8450e+01, 1.6829e+00, 1.8577e+00],  
 [5.4624e-01, 1.0941e-04, 4.3164e-02],  
 [2.7266e-01, 8.3920e-06, 3.4998e-02],  
 [4.6739e+01, 3.3623e-01, 1.2943e+00],  
 [7.8719e-02, 5.5866e-07, 1.1274e-02],  
 [8.0536e+00, 1.3033e-02, 6.3487e-01],  
 [4.5153e-02, 5.1709e-07, 6.8907e-03],  
 [3.5991e-01, 1.5157e-05, 4.3677e-02],  
 [2.5692e+02, 1.0086e+00, 4.1042e+00],  
 [2.9667e+00, 3.1996e-03, 2.3851e-01],  
 [2.1041e+00, 1.5905e-03, 2.4501e-01],  
 [1.4450e-01, 3.1003e-06, 1.7024e-02],



[6.7035e+01, 7.0383e-02, 3.2740e+00],  
 [2.1428e+01, 7.4141e-02, 7.0161e-01],  
 [3.1806e+00, 2.3307e-03, 2.6333e-01],  
 [8.6090e+00, 1.1890e-02, 5.7827e-01],  
 [2.4265e-01, 4.1441e-05, 3.5514e-02],  
 [5.7656e+01, 7.9053e-01, 2.1811e+00],  
 [3.4720e-01, 1.2480e-05, 3.4350e-02],  
 [3.8319e-01, 7.8486e-05, 4.0367e-02],  
 [3.7427e+00, 7.5347e-04, 2.9713e-01],  
 [1.5551e-02, 4.3998e-08, 2.3173e-03],  
 [2.5769e+01, 1.6763e-01, 8.7381e-01],  
 [1.8897e-01, 1.3255e-05, 2.1970e-02],  
 [8.9319e-02, 7.5075e-07, 1.0539e-02],  
 [1.8036e+02, 6.2536e+00, 4.4665e+00],  
 [1.1086e+01, 6.7522e-02, 1.0219e+00],  
 [5.7444e+01, 4.6102e-01, 2.0773e+00],  
 [5.5898e-01, 5.3279e-05, 6.2787e-02],  
 [2.8450e-01, 1.9988e-05, 4.1351e-02],  
 [1.1956e+00, 4.4394e-04, 8.2576e-02],  
 [2.2033e-02, 6.3297e-08, 3.1348e-03],  
 [1.8800e+01, 2.5940e-02, 7.4571e-01],  
 [1.6343e+02, 3.9558e+00, 3.7264e+00],  
 [1.9148e-02, 4.8060e-07, 2.9234e-03],  
 [9.1096e-02, 1.2090e-06, 1.2234e-02],  
 [5.6839e+00, 1.3334e-02, 3.8809e-01],  
 [1.9559e+01, 1.0164e-01, 8.4876e-01],  
 [2.3336e+01, 6.5305e-02, 9.9926e-01],  
 [8.7875e+01, 1.6081e+00, 2.7680e+00],  
 [3.0624e+01, 4.5331e-02, 8.9889e-01],  
 [1.7845e+01, 1.0955e-01, 7.0009e-01],  
 [6.2545e+01, 4.4495e-01, 1.1856e+00],  
 [1.8556e+01, 1.7927e-02, 1.0529e+00],  
 [2.5009e-01, 1.7578e-05, 2.8129e-02],  
 [4.4025e+00, 1.2146e-02, 4.0148e-01],  
 [1.9668e+01, 3.9021e-02, 1.7149e+00],  
 [5.5562e-01, 1.4338e-04, 5.2275e-02],  
 [4.7989e-01, 3.3323e-05, 3.7661e-02],  
 [9.3645e+00, 3.4619e-03, 5.2614e-01],  
 [3.6376e+01, 1.9814e-01, 1.8477e+00],  
 [3.3042e+01, 1.6484e-02, 9.4579e-01],  
 [1.0705e+00, 3.1680e-04, 8.5626e-02],  
 [3.7134e+01, 5.0701e-01, 1.6494e+00],  
 [7.4942e+01, 6.3234e-01, 1.5116e+00],  
 [6.0841e+00, 1.0273e-02, 5.2355e-01],  
 [8.3742e+01, 5.0019e-02, 2.0625e+00],  
 [1.3658e+02, 2.5822e+00, 3.8147e+00],  
 [8.1114e+01, 7.7410e-01, 1.4553e+00],  
 [3.4034e+01, 1.7112e-01, 1.7285e+00],

[2.6040e-03, 8.5411e-10, 4.2056e-04],  
 [6.9090e+01, 4.0194e-01, 1.9377e+00],  
 [4.4981e+01, 6.7743e-01, 1.7982e+00],  
 [1.1853e+02, 6.1543e-01, 4.2221e+00],  
 [2.1993e-02, 7.6747e-08, 3.2590e-03],  
 [5.5891e+00, 1.6350e-02, 4.3783e-01],  
 [1.2581e-01, 3.9535e-06, 1.6396e-02],  
 [1.4113e+00, 3.5893e-04, 9.4801e-02],  
 [8.3444e-01, 6.3890e-05, 9.6696e-02],  
 [6.8859e+00, 1.5165e-02, 3.5818e-01],  
 [1.3982e+00, 1.1302e-04, 1.1587e-01],  
 [1.8917e+00, 5.7609e-04, 9.7538e-02],  
 [3.2161e-01, 1.0759e-05, 4.3360e-02],  
 [4.4934e+01, 4.1699e-01, 1.6780e+00],  
 [1.4711e+01, 4.4043e-02, 6.6150e-01],  
 [1.6767e-01, 1.1416e-06, 2.1798e-02],  
 [4.9873e-01, 1.3233e-05, 5.1281e-02],  
 [5.0766e-02, 5.5413e-07, 7.0839e-03],  
 [4.5257e+00, 7.8609e-03, 3.0207e-01],  
 [1.3223e+00, 1.0633e-03, 1.2037e-01],  
 [2.7144e-01, 1.4387e-04, 3.7844e-02],  
 [9.8467e+00, 1.1194e-02, 3.7900e-01],  
 [7.2609e-01, 2.9954e-04, 7.2748e-02],  
 [3.2500e+01, 2.8907e-01, 1.1080e+00],  
 [1.4066e+01, 8.3466e-03, 7.2616e-01],  
 [1.1690e+02, 3.2385e+00, 3.4017e+00],  
 [1.4990e+01, 3.2247e-02, 5.6384e-01],  
 [2.0304e+02, 1.1026e+00, 3.4259e+00],  
 [8.1488e-01, 3.6500e-04, 6.7053e-02],  
 [1.6841e+02, 2.9516e+00, 3.3775e+00],  
 [1.0894e+01, 2.0838e-02, 6.3076e-01],  
 [4.3039e+01, 3.5266e-02, 2.2002e+00],  
 [1.5477e+00, 2.3990e-04, 1.0973e-01],  
 [1.6903e+02, 1.8856e+00, 3.6392e+00],  
 [3.8092e+00, 4.9866e-03, 2.2519e-01],  
 [8.8160e+01, 1.2206e-01, 3.1149e+00],  
 [8.9658e+00, 2.2975e-02, 4.5165e-01],  
 [8.7943e-01, 1.4610e-04, 7.4522e-02],  
 [9.3947e+00, 4.8799e-02, 5.3607e-01],  
 [8.7363e-01, 3.4284e-04, 1.1879e-01],  
 [5.2021e-01, 9.2898e-05, 5.5447e-02],  
 [7.0015e-01, 1.5577e-04, 9.6931e-02],  
 [2.4617e-01, 1.2031e-05, 2.9185e-02],  
 [1.6079e+00, 1.9257e-04, 1.0604e-01],  
 [1.5042e+02, 2.5317e+00, 4.1929e+00],  
 [3.6856e+00, 2.2790e-03, 2.1151e-01],  
 [2.3525e-01, 3.3636e-05, 2.7836e-02],  
 [4.0921e-01, 1.8985e-05, 5.3939e-02],

[6.5514e-02, 2.2904e-06, 8.0920e-03],  
 [1.5804e+00, 5.2769e-04, 1.2194e-01],  
 [1.0949e+00, 1.5526e-05, 9.0825e-02],  
 [6.4236e+01, 5.9183e-01, 2.1747e+00],  
 [5.7548e+01, 6.3678e-02, 1.8464e+00],  
 [5.3099e+01, 2.2622e-01, 1.8900e+00],  
 [5.8006e+01, 4.7573e-01, 2.4175e+00],  
 [6.4914e-01, 1.4824e-04, 5.8031e-02],  
 [8.4644e+01, 2.3580e-01, 2.6240e+00],  
 [2.2538e+02, 5.9769e+00, 3.8760e+00],  
 [5.5852e-01, 1.1091e-04, 7.1749e-02],  
 [5.9205e+01, 6.1900e-01, 1.8778e+00],  
 [4.6724e+01, 8.4726e-02, 1.1926e+00],  
 [4.7198e+00, 1.0041e-03, 2.6530e-01],  
 [2.9525e+00, 3.3456e-03, 1.9664e-01],  
 [3.2219e+00, 4.8536e-03, 2.5944e-01],  
 [6.9435e-02, 8.0793e-07, 9.7281e-03],  
 [5.4040e+01, 2.3620e-01, 1.8405e+00],  
 [9.5985e-01, 6.3994e-05, 5.4861e-02],  
 [5.0854e-01, 1.7448e-04, 6.3999e-02],  
 [6.7362e+01, 2.8690e-01, 1.6363e+00],  
 [3.5585e-01, 1.9320e-05, 4.2313e-02],  
 [2.1985e+01, 1.4771e-02, 1.2745e+00],  
 [5.7195e+00, 1.3874e-03, 4.9365e-01],  
 [8.6173e+00, 4.6166e-03, 2.9733e-01],  
 [2.5356e+00, 1.6749e-03, 2.5534e-01],  
 [1.5958e-01, 2.0267e-06, 1.6553e-02],  
 [1.0443e+00, 5.9242e-05, 9.5568e-02],  
 [5.2458e+00, 4.2711e-03, 3.6615e-01],  
 [1.6676e+02, 3.3075e+00, 3.0301e+00],  
 [2.4268e+02, 7.3877e-01, 4.3600e+00],  
 [6.3701e-01, 1.2228e-04, 6.6743e-02],  
 [1.0366e+02, 9.0563e-01, 2.6324e+00],  
 [1.5219e-02, 9.7579e-08, 2.2313e-03],  
 [1.9520e-01, 1.2791e-06, 2.4833e-02],  
 [1.9617e+02, 6.7308e+00, 4.7846e+00],  
 [1.7496e+00, 9.6084e-04, 1.4768e-01],  
 [6.8242e-02, 8.9059e-07, 8.3758e-03],  
 [4.5347e-02, 3.4299e-07, 6.4284e-03],  
 [8.3526e+01, 1.0137e+00, 2.8066e+00],  
 [7.0094e+01, 4.9895e-01, 2.9828e+00],  
 [5.6698e+01, 1.5318e-01, 3.1503e+00],  
 [1.2008e+01, 5.2150e-03, 4.6532e-01],  
 [7.5250e-02, 5.9940e-07, 1.0222e-02],  
 [1.1252e+02, 3.0766e+00, 2.5776e+00],  
 [2.4974e+01, 2.4712e-01, 1.1148e+00],  
 [2.1125e+01, 1.2358e-02, 9.3205e-01],  
 [2.7138e+01, 9.8980e-02, 1.2931e+00],

```

[8.3330e+01, 1.0438e+00, 2.1424e+00],
[2.1036e+00, 1.0739e-03, 1.8708e-01],
[1.8414e+00, 8.8481e-04, 1.2737e-01],
[1.3551e+00, 1.6687e-04, 1.4470e-01],
[4.1444e-02, 7.4287e-07, 5.5642e-03],
[4.8177e+01, 4.4993e-01, 1.5347e+00],
[6.7913e+01, 2.6844e-01, 1.9828e+00],
[2.7133e+00, 6.9386e-04, 2.7691e-01],
[2.5211e-01, 2.7112e-05, 3.3005e-02],
[7.4440e-01, 4.9556e-05, 8.3431e-02],
[5.0190e+00, 2.6752e-02, 5.6094e-01],
[2.6155e+01, 1.3549e-01, 1.1544e+00],
[2.5884e+00, 7.2362e-04, 2.1225e-01],
[3.3748e-02, 1.5261e-07, 4.8218e-03],
[2.7523e+00, 1.7828e-04, 2.0411e-01],
[3.0803e+01, 1.1970e-01, 1.4494e+00],
[6.0315e-01, 1.1422e-04, 5.3718e-02],
[8.4893e+01, 2.1175e-01, 2.5060e+00],
[7.8979e+00, 3.7173e-02, 5.7089e-01],
[6.4420e+01, 4.7843e-01, 1.8972e+00],
[3.4428e+01, 3.2474e-01, 2.1038e+00],
[2.0786e+01, 6.5159e-02, 8.0857e-01],
[2.1531e+01, 3.3131e-02, 9.3158e-01],
[5.7143e+00, 3.7898e-04, 2.5379e-01],
[2.8632e-01, 3.0241e-05, 2.5202e-02],
[6.8538e+00, 1.0958e-02, 7.4135e-01],
[1.2240e+02, 1.8443e+00, 4.2840e+00],
[1.6419e+02, 1.0458e+00, 2.5275e+00]], dtype=torch.float64)
Iteration: 264
Inputs: tensor([[1.2147e+19, 2.2825e+02, 3.5851e+00, 3.7258e+00],
[3.3790e+20, 3.4629e+02, 1.4365e+01, 2.0966e+00],
[7.2974e+18, 1.8578e+02, 1.4566e+01, 4.5588e+00],
...,
[2.2533e+18, 3.9922e+02, 5.2323e+00, 5.2758e+00],
[2.8437e+18, 3.7683e+02, 7.3024e+00, 5.8457e+00],
[1.2023e+18, 9.7646e+01, 8.5126e+00, 5.3083e+00]], dtype=torch.float64)
Target: tensor([[4.1218e+00, 8.1879e-04, 2.6091e-01],
[4.1670e+01, 1.0880e-01, 2.1945e+00],
[4.8705e-01, 8.1290e-05, 5.6325e-02],
[1.1561e+00, 1.3088e-04, 1.0196e-01],
[5.2720e+00, 2.0261e-03, 3.2966e-01],
[7.2516e+00, 1.5391e-02, 6.5592e-01],
[5.7508e+01, 3.7439e-01, 1.8843e+00],
[8.8395e+01, 6.7826e-01, 2.6464e+00],
[1.7414e+02, 5.0165e-01, 4.4415e+00],
[1.9425e+01, 3.8782e-02, 1.1976e+00],
[2.9140e+02, 1.1266e+01, 4.6667e+00],
[9.3048e+01, 2.5689e+00, 2.6621e+00],

```

[1.5077e+01, 3.9567e-02, 6.8076e-01],  
 [4.3922e+01, 4.5916e-01, 1.5308e+00],  
 [7.7336e-01, 1.4774e-04, 9.9251e-02],  
 [4.0240e+00, 1.4163e-03, 3.3025e-01],  
 [3.4969e-01, 9.5349e-05, 3.7873e-02],  
 [1.1607e+01, 1.3008e-03, 6.2154e-01],  
 [1.9186e+01, 7.0532e-02, 1.2704e+00],  
 [4.8049e+01, 1.0970e-01, 1.0506e+00],  
 [5.2940e+01, 5.3638e-01, 1.8251e+00],  
 [2.9508e+01, 1.3138e-01, 9.8628e-01],  
 [5.0130e-01, 3.8680e-05, 4.1950e-02],  
 [2.2932e-01, 1.9838e-05, 2.3841e-02],  
 [2.7260e+00, 1.4705e-03, 2.1495e-01],  
 [3.2935e+01, 2.4051e-01, 1.2847e+00],  
 [9.1525e+01, 1.6428e+00, 3.3036e+00],  
 [9.2925e-02, 4.4737e-06, 1.4047e-02],  
 [1.3828e+00, 5.9352e-04, 9.7899e-02],  
 [1.1431e+00, 5.0594e-05, 7.0895e-02],  
 [8.4346e+00, 4.7591e-03, 7.2326e-01],  
 [6.8445e-01, 1.2315e-04, 7.6904e-02],  
 [6.6853e+00, 9.6196e-03, 4.0952e-01],  
 [8.3997e-01, 7.7836e-05, 5.4791e-02],  
 [8.0719e+01, 5.1808e-01, 3.3335e+00],  
 [4.3105e+01, 2.9151e-01, 1.5396e+00],  
 [1.1383e+02, 1.3243e-01, 4.1496e+00],  
 [2.1863e+00, 3.0791e-04, 1.1537e-01],  
 [9.9205e-01, 3.6377e-05, 9.4592e-02],  
 [2.4180e+02, 3.8696e+00, 4.8878e+00],  
 [1.1092e+01, 3.0960e-02, 8.5621e-01],  
 [1.8217e+01, 1.7234e-02, 9.7086e-01],  
 [1.0824e+02, 5.3736e-01, 3.5378e+00],  
 [5.3545e+00, 8.3313e-03, 4.0197e-01],  
 [5.0475e-01, 3.1085e-05, 5.9639e-02],  
 [1.0532e+02, 4.8575e-01, 3.1009e+00],  
 [1.3048e+02, 4.2520e+00, 2.9933e+00],  
 [1.9871e-01, 3.2492e-06, 2.5513e-02],  
 [1.0046e+00, 9.0885e-04, 1.0672e-01],  
 [6.5877e-01, 9.4823e-05, 7.2343e-02],  
 [2.2922e+00, 3.1561e-04, 1.9185e-01],  
 [1.0780e+02, 3.9454e-01, 2.6384e+00],  
 [8.5960e+01, 1.4070e+00, 1.9416e+00],  
 [6.9065e-03, 2.7490e-08, 1.0672e-03],  
 [2.0419e+01, 7.7359e-02, 6.8443e-01],  
 [2.4130e+02, 7.2139e+00, 4.0418e+00],  
 [1.4943e+02, 4.8509e+00, 3.9742e+00],  
 [3.0916e+01, 5.2495e-02, 9.9536e-01],  
 [4.3364e+00, 5.2219e-03, 2.6212e-01],  
 [1.0954e+00, 4.9413e-04, 1.1416e-01],

[6.4952e+00, 5.1636e-03, 3.8448e-01],  
[1.8705e-02, 2.1196e-07, 2.9488e-03],  
[2.9955e-01, 2.7716e-05, 2.8134e-02],  
[5.1881e+01, 3.5900e-01, 1.2283e+00],  
[6.1606e-03, 6.1624e-09, 9.4803e-04],  
[8.4437e+01, 8.5795e-02, 2.4576e+00],  
[2.9142e+00, 7.7574e-04, 1.4761e-01],  
[1.8208e+01, 2.7905e-02, 7.5738e-01],  
[4.9259e-02, 1.8785e-07, 7.2048e-03],  
[4.4161e-02, 2.8931e-07, 5.8008e-03],  
[6.1994e+01, 1.1533e+00, 1.9678e+00],  
[1.7042e-01, 6.1373e-06, 2.2122e-02],  
[5.8659e+01, 4.8561e-01, 1.8828e+00],  
[1.6417e-02, 7.8375e-08, 2.5035e-03],  
[1.9382e+00, 1.5998e-04, 1.7982e-01],  
[1.3025e+01, 1.1902e-02, 8.8459e-01],  
[3.3038e+00, 4.3299e-03, 2.3908e-01],  
[8.1342e-01, 1.3027e-04, 6.9697e-02],  
[2.7461e+00, 1.3191e-03, 1.9072e-01],  
[2.3044e+02, 1.8487e+00, 4.3172e+00],  
[6.8602e+00, 1.7170e-03, 6.2242e-01],  
[7.8487e-01, 1.5523e-04, 8.3602e-02],  
[1.6447e+00, 1.1138e-03, 1.7994e-01],  
[1.7279e+01, 3.9206e-02, 5.8280e-01],  
[1.8511e+01, 4.2753e-02, 9.0648e-01],  
[4.1145e+00, 1.0407e-03, 2.2500e-01],  
[1.9382e+01, 2.5482e-02, 9.9149e-01],  
[7.7463e-01, 1.4753e-04, 9.0642e-02],  
[2.1284e+02, 6.9777e+00, 4.5343e+00],  
[9.2036e+00, 2.1722e-02, 9.9696e-01],  
[7.3601e-03, 4.0414e-08, 1.1452e-03],  
[6.0502e+01, 4.5276e-01, 1.1268e+00],  
[1.7762e+02, 5.8173e+00, 3.9514e+00],  
[8.4505e+01, 1.8538e+00, 2.3727e+00],  
[1.6733e+01, 3.2460e-02, 1.0698e+00],  
[1.5333e-02, 1.8388e-07, 2.2385e-03],  
[1.7027e-02, 4.4139e-07, 2.4587e-03],  
[1.8404e-01, 1.6541e-05, 1.9270e-02],  
[1.4603e+01, 2.8331e-02, 8.8010e-01],  
[1.0528e+02, 5.8548e-01, 2.3919e+00],  
[1.1794e+02, 1.5146e+00, 2.4248e+00],  
[8.1465e+01, 2.0884e+00, 2.7096e+00],  
[1.4212e+01, 8.1619e-03, 7.3587e-01],  
[6.1150e-01, 1.7202e-04, 5.6148e-02],  
[9.9333e+01, 4.2058e-01, 2.5867e+00],  
[4.0658e+01, 1.5522e-01, 1.1918e+00],  
[2.7132e+01, 7.8417e-02, 8.9570e-01],  
[2.2584e+01, 1.7083e-01, 7.7809e-01],

[1.2245e-01, 4.5022e-06, 1.6296e-02],  
[3.1539e-02, 3.8246e-07, 4.5819e-03],  
[3.1204e-01, 1.5633e-05, 3.8946e-02],  
[1.2505e-02, 4.6072e-08, 1.8937e-03],  
[3.8528e+00, 2.3018e-04, 2.5804e-01],  
[1.1499e+00, 4.9120e-05, 8.4713e-02],  
[6.5903e+01, 9.6496e-01, 1.8992e+00],  
[5.4110e-01, 1.0128e-05, 4.2032e-02],  
[3.8378e+00, 5.2714e-03, 2.5384e-01],  
[1.4003e+02, 3.1911e+00, 3.0052e+00],  
[1.0542e+01, 1.8847e-02, 1.0051e+00],  
[6.1137e-01, 1.0139e-04, 4.9847e-02],  
[9.9642e-01, 1.3283e-04, 1.1271e-01],  
[3.8986e+00, 1.4885e-03, 1.8135e-01],  
[9.7290e+01, 1.8733e-01, 3.6139e+00],  
[1.8366e+01, 3.8473e-02, 1.2105e+00],  
[3.4247e+01, 1.1913e-01, 1.1542e+00],  
[2.9297e-02, 4.3315e-07, 4.4063e-03],  
[1.6084e-01, 4.0147e-06, 1.6844e-02],  
[3.3400e-05, 3.5238e-13, 5.5325e-06],  
[6.0739e+01, 4.7619e-01, 1.7049e+00],  
[6.2412e-01, 6.9102e-05, 5.0121e-02],  
[1.2184e+02, 9.2601e-01, 2.1647e+00],  
[4.3782e+01, 6.7567e-02, 1.5608e+00],  
[1.4656e+00, 1.8029e-03, 1.4408e-01],  
[6.2982e+01, 3.8152e-01, 1.5668e+00],  
[7.9796e+01, 1.1653e+00, 2.5804e+00],  
[2.1158e+00, 3.6075e-04, 1.3803e-01],  
[3.9999e+01, 1.2612e-01, 1.3163e+00],  
[1.1459e+01, 3.0295e-02, 5.6520e-01],  
[1.7006e+01, 5.7835e-02, 1.0955e+00],  
[3.4791e+01, 3.8648e-01, 1.2539e+00],  
[1.8415e+01, 2.3629e-02, 9.9436e-01],  
[1.0105e+00, 5.2224e-05, 1.2882e-01],  
[2.0057e+02, 1.5669e+00, 3.7248e+00],  
[1.3782e+02, 3.2063e+00, 3.6864e+00],  
[1.2872e-02, 1.3018e-07, 2.0278e-03],  
[4.9655e+00, 3.6134e-03, 2.7970e-01],  
[1.3871e+00, 1.5749e-04, 1.2391e-01],  
[1.5778e+01, 3.2084e-03, 4.6396e-01],  
[9.8509e+00, 2.0873e-03, 4.2931e-01],  
[1.0175e-01, 1.6801e-06, 1.3353e-02],  
[6.3361e+01, 7.8297e-01, 2.2285e+00],  
[4.5040e+01, 1.7427e-01, 2.8668e+00],  
[8.5906e+00, 2.2303e-02, 4.7338e-01],  
[8.0346e+00, 2.2661e-02, 3.8631e-01],  
[2.7126e+01, 3.1703e-01, 1.8487e+00],  
[3.2514e-02, 1.2946e-06, 5.0686e-03],

[1.0164e+00, 1.6817e-04, 5.8535e-02],  
 [1.0954e+01, 6.3317e-03, 8.3573e-01],  
 [4.4719e+01, 5.3114e-01, 1.5459e+00],  
 [5.0198e+01, 2.3300e-01, 1.5554e+00],  
 [9.1237e+01, 2.0089e+00, 2.4737e+00],  
 [8.3635e+00, 2.7117e-02, 4.5028e-01],  
 [2.2672e+02, 1.5005e+00, 4.6397e+00],  
 [1.6256e+01, 7.1620e-02, 8.2044e-01],  
 [4.0076e+01, 3.1193e-01, 1.6315e+00],  
 [1.1062e+00, 2.4481e-04, 1.2294e-01],  
 [1.0533e-02, 8.2240e-08, 1.5773e-03],  
 [1.0108e+00, 4.2934e-04, 7.6895e-02],  
 [5.4784e-01, 1.7725e-04, 7.6622e-02],  
 [3.6514e-02, 3.1601e-07, 5.4220e-03],  
 [1.3925e+02, 2.3949e-01, 3.4535e+00],  
 [4.5645e-01, 1.0627e-04, 4.7003e-02],  
 [1.7562e-01, 1.1506e-05, 2.1707e-02],  
 [8.2367e+01, 1.4660e+00, 1.8101e+00],  
 [2.1969e+01, 1.0874e-02, 1.0939e+00],  
 [3.4619e+00, 8.4423e-04, 1.7292e-01],  
 [3.7414e-01, 1.3007e-05, 4.2046e-02],  
 [2.3008e+00, 3.5768e-03, 2.1874e-01],  
 [1.2352e+01, 2.5514e-02, 4.8072e-01],  
 [4.1717e-01, 1.0377e-04, 3.9046e-02],  
 [1.0119e+02, 1.0205e+00, 4.2056e+00],  
 [1.8508e+01, 6.6432e-02, 8.7273e-01],  
 [6.4654e+01, 2.8333e-01, 2.8502e+00],  
 [4.3118e+01, 9.0025e-02, 1.5415e+00],  
 [4.9510e-04, 6.2038e-11, 8.0707e-05],  
 [2.8268e+01, 5.5813e-02, 1.4198e+00],  
 [6.9381e+01, 8.0935e-01, 2.4018e+00],  
 [2.3414e+02, 1.3947e+01, 4.6578e+00],  
 [3.2277e+02, 1.6310e+00, 4.9895e+00],  
 [2.8158e+01, 1.5569e-01, 7.9165e-01],  
 [1.8739e+00, 2.7573e-04, 9.2538e-02],  
 [7.6480e+00, 7.8751e-03, 7.1456e-01],  
 [1.6652e+01, 1.5409e-02, 5.2110e-01],  
 [9.7662e+01, 3.1358e+00, 3.4164e+00],  
 [1.4587e+00, 5.5138e-04, 2.0151e-01],  
 [6.5209e+01, 2.6034e-01, 1.9188e+00],  
 [1.3963e+00, 1.5282e-04, 1.4050e-01],  
 [1.9720e+00, 8.1606e-04, 1.7426e-01],  
 [2.3810e-02, 7.5495e-07, 3.3325e-03],  
 [5.1290e-01, 1.1285e-04, 7.1448e-02],  
 [6.6251e+00, 5.8390e-03, 3.3298e-01],  
 [9.3869e+01, 1.9769e+00, 2.3243e+00],  
 [1.6803e+00, 3.5116e-05, 1.1374e-01],  
 [2.3386e+01, 4.9884e-02, 9.2201e-01],



[7.9025e+01, 1.2181e+00, 2.3462e+00],  
 [6.6441e-01, 8.4904e-05, 5.1340e-02],  
 [4.3911e+01, 5.8479e-02, 2.5598e+00],  
 [6.6089e-02, 1.8524e-06, 8.8971e-03],  
 [1.8735e+02, 4.4153e+00, 4.0541e+00],  
 [2.8644e+00, 5.0496e-04, 3.4817e-01],  
 [1.2494e-01, 1.3324e-06, 1.4654e-02],  
 [1.5340e+00, 1.8438e-04, 1.5688e-01],  
 [3.4413e+01, 2.8768e-01, 1.2901e+00],  
 [3.0957e+01, 9.8711e-02, 1.0010e+00],  
 [8.1789e+00, 1.9495e-02, 3.9879e-01],  
 [1.2904e+01, 8.8315e-02, 1.0594e+00],  
 [4.8722e+00, 7.9729e-04, 2.3529e-01],  
 [9.8164e+01, 3.1741e-01, 1.8472e+00],  
 [3.2889e+01, 4.0093e-02, 1.5278e+00],  
 [2.3042e-01, 1.1521e-05, 2.7996e-02],  
 [3.5263e+01, 4.6183e-01, 1.3505e+00],  
 [1.9254e+01, 8.5743e-02, 7.4686e-01],  
 [2.7232e-02, 5.7400e-07, 3.8026e-03],  
 [3.3081e-01, 2.1361e-05, 3.7912e-02],  
 [9.4026e+00, 1.0626e-02, 3.3962e-01],  
 [8.1291e+00, 1.8135e-02, 3.7026e-01],  
 [4.0454e-01, 3.4507e-06, 4.2329e-02],  
 [3.1425e+01, 9.7965e-02, 1.9932e+00],  
 [9.7550e+00, 2.5945e-02, 4.7438e-01],  
 [7.0589e+01, 4.7147e-01, 1.3580e+00],  
 [4.3813e+01, 1.5388e-01, 1.0661e+00],  
 [3.6898e+00, 3.7908e-03, 2.4087e-01],  
 [3.0470e+00, 4.9343e-03, 2.5703e-01],  
 [6.1072e-01, 1.1436e-04, 4.5830e-02],  
 [5.6652e-01, 1.4803e-04, 6.3045e-02],  
 [1.6588e-03, 8.9410e-10, 2.6898e-04],  
 [1.9064e+01, 8.3250e-02, 8.7951e-01],  
 [8.4825e-01, 8.7906e-05, 7.2607e-02],  
 [8.6589e+01, 1.1409e+00, 3.8060e+00],  
 [1.1962e+01, 6.5616e-02, 1.0122e+00],  
 [1.3051e-01, 1.5623e-05, 1.5318e-02],  
 [8.1025e+01, 9.6866e-01, 2.2852e+00],  
 [9.8984e+01, 2.3221e+00, 3.5015e+00],  
 [7.3809e-01, 2.5341e-06, 6.7441e-02],  
 [2.0659e+01, 9.0130e-02, 8.1438e-01],  
 [6.6812e-03, 3.3432e-08, 1.0540e-03],  
 [3.1772e+01, 9.7338e-02, 1.5832e+00],  
 [2.1135e+01, 3.2887e-02, 1.2048e+00],  
 [9.9562e+01, 9.1275e-01, 2.2342e+00],  
 [2.4003e-02, 8.8644e-07, 3.5281e-03],  
 [4.2563e+01, 3.4050e-01, 1.7043e+00],  
 [4.2849e-02, 7.2938e-07, 6.0736e-03],

[7.8980e-01, 4.8535e-04, 8.5178e-02],  
 [3.9417e+00, 1.5537e-03, 4.1332e-01],  
 [2.9092e+00, 2.2461e-04, 2.3894e-01],  
 [3.2595e+01, 3.9835e-01, 1.2840e+00],  
 [2.6638e-02, 2.3516e-07, 3.9686e-03],  
 [2.0766e+02, 3.3062e+00, 4.7854e+00],  
 [5.2984e+01, 3.3143e-01, 2.2941e+00],  
 [2.2051e+00, 8.2539e-04, 1.4326e-01],  
 [3.4705e+00, 6.3796e-04, 2.7231e-01],  
 [2.1087e+01, 3.1917e-02, 1.3452e+00],  
 [1.3431e+00, 6.7373e-04, 1.2370e-01],  
 [8.8547e+00, 3.5640e-02, 6.7531e-01],  
 [1.6624e-01, 2.0344e-05, 1.7407e-02],  
 [4.3035e-01, 1.2461e-05, 3.6271e-02],  
 [2.5141e+00, 3.5687e-03, 2.0791e-01],  
 [4.4652e+00, 1.0938e-03, 3.2318e-01],  
 [2.2724e+02, 1.7427e+00, 4.0356e+00],  
 [8.5837e+01, 3.8209e-01, 2.7414e+00],  
 [1.7384e+01, 7.1423e-02, 1.6857e+00],  
 [2.1215e+01, 3.1628e-02, 1.3969e+00],  
 [1.2886e+02, 1.3182e+00, 2.4732e+00],  
 [1.0331e-01, 6.7260e-06, 1.2683e-02],  
 [3.2666e-01, 6.5567e-05, 3.7822e-02],  
 [9.3176e+01, 1.9056e+00, 3.1508e+00],  
 [2.5394e+01, 5.7918e-02, 1.5231e+00],  
 [1.8326e-01, 1.2250e-05, 2.3188e-02],  
 [7.9812e+01, 1.1405e+00, 1.9428e+00],  
 [4.6361e+01, 7.0952e-02, 1.7594e+00],  
 [2.3655e-01, 4.0179e-05, 3.0844e-02],  
 [7.8494e+01, 1.8995e-01, 2.4366e+00],  
 [1.3068e+00, 9.9407e-04, 1.3614e-01],  
 [4.9927e+01, 4.4084e-01, 1.4039e+00],  
 [3.7273e+00, 1.2651e-02, 4.2040e-01],  
 [1.7315e+02, 1.6515e+00, 3.2123e+00],  
 [4.0067e+00, 2.6126e-03, 4.1809e-01],  
 [4.9522e+01, 9.4796e-02, 2.7552e+00],  
 [3.1583e+00, 9.4737e-04, 1.9870e-01],  
 [2.1783e+00, 6.6397e-04, 2.2221e-01],  
 [1.0751e+02, 1.5854e+00, 3.5905e+00],  
 [4.9980e-02, 1.8489e-06, 6.6521e-03],  
 [2.4387e+00, 6.2508e-04, 1.5831e-01],  
 [2.7682e+00, 2.7512e-03, 2.3298e-01],  
 [2.9955e-02, 6.0838e-07, 4.5858e-03],  
 [9.7700e+01, 2.6845e-01, 4.0520e+00],  
 [1.6475e+01, 1.2208e-02, 1.1681e+00],  
 [1.4261e+00, 7.2940e-04, 1.4114e-01],  
 [6.2990e+01, 3.6884e-01, 2.2205e+00],  
 [5.4975e-02, 7.9864e-07, 7.6163e-03],

```

[1.1117e-01, 2.1233e-07, 1.3629e-02],
[1.6197e+02, 2.3677e+00, 3.9547e+00],
[1.0338e+02, 1.7043e+00, 2.3433e+00],
[7.6807e-02, 2.0866e-06, 1.0473e-02],
[1.5477e+02, 5.4824e+00, 3.8017e+00],
[2.3564e-01, 5.5909e-07, 2.5103e-02],
[6.3163e+00, 1.0245e-02, 3.1228e-01],
[1.2637e+02, 1.1831e+00, 4.4368e+00],
[5.2672e+01, 3.8947e-01, 1.2730e+00],
[2.1656e+00, 3.7506e-04, 1.0852e-01],
[2.9083e-01, 1.0318e-05, 2.5339e-02],
[1.7538e-01, 3.1264e-05, 2.0510e-02],
[3.0824e-01, 1.2690e-05, 3.1238e-02],
[6.3997e+01, 7.4862e-01, 1.4992e+00],
[1.7881e+01, 2.0759e-02, 5.6362e-01],
[1.3183e+01, 1.1983e-02, 3.8365e-01],
[6.9308e+01, 6.6160e-01, 1.7021e+00],
[8.0720e-01, 6.5614e-05, 6.0068e-02],
[8.9453e-01, 1.1816e-04, 6.9288e-02],
[1.6750e-02, 1.2526e-07, 2.4416e-03]], dtype=torch.float64)
Iteration: 265
Inputs: tensor([[3.8974e+19, 1.7447e+02, 7.4400e+00, 3.8967e+00],
[2.1465e+19, 3.0118e+01, 7.3509e+00, 9.2714e+00],
[1.5117e+20, 1.3352e+02, 3.1094e+00, 5.7500e+00],
...,
[6.8329e+19, 2.1644e+01, 6.4528e+00, 7.6170e+00],
[5.0407e+18, 7.3070e+01, 1.0723e+01, 7.1783e+00],
[1.4532e+18, 4.0985e+02, 2.3865e+00, 2.6765e+00]], dtype=torch.float64)
Target: tensor([[8.6421e+00, 7.5311e-03, 5.5244e-01],
[4.7279e-01, 2.1764e-04, 6.1951e-02],
[4.0971e+01, 1.3175e-01, 1.6195e+00],
[9.5990e+00, 3.4330e-02, 8.7040e-01],
[1.3069e+01, 1.2317e-02, 8.1388e-01],
[1.0658e+01, 6.1518e-03, 1.0188e+00],
[4.3790e+00, 1.1281e-02, 3.7178e-01],
[2.4891e-01, 4.7902e-05, 2.9087e-02],
[4.0270e-03, 1.5730e-09, 6.3725e-04],
[3.1290e+00, 1.6427e-03, 2.0262e-01],
[2.7993e+02, 8.3094e-01, 5.0180e+00],
[5.0204e+00, 3.7179e-03, 3.4727e-01],
[9.4810e+00, 9.7487e-03, 7.4079e-01],
[4.9591e-01, 1.0473e-04, 5.0363e-02],
[1.6714e+00, 1.8837e-03, 1.6144e-01],
[1.2723e-01, 1.1627e-05, 1.8845e-02],
[1.9997e+01, 3.5816e-02, 6.7805e-01],
[1.0464e+02, 2.5392e+00, 2.8521e+00],
[1.4512e-01, 6.1771e-06, 2.0045e-02],
[6.6752e+01, 5.2095e-01, 2.4818e+00],

```

[1.1524e+02, 3.8111e+00, 3.7963e+00],  
 [1.2121e+01, 4.9734e-02, 6.3826e-01],  
 [3.3490e+02, 8.6671e+00, 4.8151e+00],  
 [7.5684e-02, 4.1102e-07, 1.0353e-02],  
 [1.2489e+01, 2.1181e-02, 1.0305e+00],  
 [1.0334e+01, 5.5064e-03, 5.0168e-01],  
 [3.9695e+01, 2.2626e-02, 1.2375e+00],  
 [4.1943e-03, 2.3224e-08, 6.5717e-04],  
 [3.8341e-01, 3.0608e-06, 3.0309e-02],  
 [1.1273e+01, 3.2736e-02, 5.4021e-01],  
 [2.8983e+01, 1.6381e-01, 8.2688e-01],  
 [1.5806e+01, 1.0115e-01, 1.5634e+00],  
 [4.7616e+01, 6.4699e-01, 1.3214e+00],  
 [9.1874e+00, 1.4646e-02, 5.0640e-01],  
 [6.3526e+00, 7.4260e-03, 5.7567e-01],  
 [1.5093e+02, 1.3426e+00, 3.0731e+00],  
 [2.3296e-01, 3.1045e-05, 2.8049e-02],  
 [1.1595e-01, 3.7940e-06, 1.6460e-02],  
 [3.8406e+01, 4.9855e-01, 2.5547e+00],  
 [6.8158e+00, 9.6180e-03, 3.9523e-01],  
 [1.5922e-01, 6.3919e-07, 1.9269e-02],  
 [3.8884e-01, 5.9390e-05, 3.3675e-02],  
 [5.9620e-01, 2.0936e-04, 5.4245e-02],  
 [1.3283e+00, 3.4964e-04, 1.2155e-01],  
 [1.2948e+00, 1.6547e-03, 1.7416e-01],  
 [1.5143e-01, 1.0938e-05, 2.1291e-02],  
 [1.0740e+01, 5.1124e-03, 3.9146e-01],  
 [4.5134e+00, 3.2785e-03, 2.4251e-01],  
 [3.4051e+00, 3.6268e-03, 2.1464e-01],  
 [9.0425e+00, 6.6084e-03, 3.8234e-01],  
 [2.3820e+01, 8.6246e-02, 1.5664e+00],  
 [1.9885e+01, 4.9992e-02, 1.2575e+00],  
 [1.2028e-01, 4.5184e-06, 1.4265e-02],  
 [2.0935e+00, 1.9626e-03, 1.7634e-01],  
 [1.2790e+00, 5.7106e-04, 1.0466e-01],  
 [5.2127e-01, 1.1117e-04, 6.1192e-02],  
 [5.6212e+01, 6.0453e-01, 1.3277e+00],  
 [2.8782e-01, 6.8844e-05, 3.8826e-02],  
 [3.3902e-02, 7.4153e-08, 4.9090e-03],  
 [1.0915e+02, 1.1449e+00, 3.9754e+00],  
 [1.8863e+01, 5.8094e-03, 1.5530e+00],  
 [4.5119e+00, 2.6946e-03, 3.9530e-01],  
 [3.4739e+01, 3.1596e-01, 1.1952e+00],  
 [1.3920e-01, 5.8338e-06, 1.7769e-02],  
 [4.5567e+01, 2.6828e-01, 2.5075e+00],  
 [6.4698e+00, 7.6944e-03, 4.3661e-01],  
 [1.4446e+01, 3.6345e-02, 7.0208e-01],  
 [1.8833e+00, 1.1339e-03, 2.2592e-01],

[1.0042e-01, 6.6517e-06, 1.2854e-02],  
 [6.7847e-01, 6.0566e-05, 7.8987e-02],  
 [6.3974e+01, 4.5220e-01, 1.9846e+00],  
 [8.1401e+01, 2.2188e+00, 2.2296e+00],  
 [4.1257e+01, 1.8045e-01, 1.1117e+00],  
 [4.2364e-02, 7.5505e-07, 5.6329e-03],  
 [1.6530e+00, 2.1317e-04, 1.5071e-01],  
 [1.7878e-02, 1.0595e-07, 2.7481e-03],  
 [1.2215e+02, 3.8329e-01, 3.6592e+00],  
 [1.1368e+00, 2.1377e-04, 1.0220e-01],  
 [2.5496e+01, 4.6772e-02, 1.5090e+00],  
 [1.4969e+02, 2.0657e+00, 3.2263e+00],  
 [9.0922e-01, 3.8204e-05, 8.7559e-02],  
 [7.6045e+00, 8.0478e-03, 4.4464e-01],  
 [6.9542e+00, 5.2099e-03, 5.1645e-01],  
 [2.8255e-01, 5.3013e-05, 3.3444e-02],  
 [1.5919e-01, 5.2115e-06, 1.6671e-02],  
 [5.5619e+01, 8.6685e-01, 1.4563e+00],  
 [1.9123e+02, 9.1980e+00, 4.1542e+00],  
 [3.1718e+00, 2.9496e-03, 2.0061e-01],  
 [2.3530e+01, 6.1777e-02, 1.9714e+00],  
 [4.2166e-02, 3.5490e-07, 6.0146e-03],  
 [1.1456e+01, 6.9527e-03, 9.8628e-01],  
 [1.0823e+00, 1.9771e-04, 8.4216e-02],  
 [8.4453e-01, 6.0668e-05, 8.0298e-02],  
 [3.0618e+00, 8.2824e-03, 3.0365e-01],  
 [3.2808e-01, 3.2257e-05, 2.8549e-02],  
 [7.4225e-02, 4.2152e-06, 1.0243e-02],  
 [4.3175e-03, 3.7148e-08, 6.7338e-04],  
 [2.6755e+00, 2.9356e-03, 1.9335e-01],  
 [1.0569e+02, 5.1263e-01, 3.9221e+00],  
 [7.1176e+01, 6.2512e-01, 2.9205e+00],  
 [2.5001e+01, 1.6689e-01, 1.1099e+00],  
 [3.6972e+00, 4.0233e-03, 3.2730e-01],  
 [1.2996e+01, 1.6443e-02, 9.8498e-01],  
 [2.4796e-01, 2.0469e-05, 2.9977e-02],  
 [5.6143e+01, 1.9889e-01, 1.4850e+00],  
 [6.4576e+01, 9.5969e-01, 2.9942e+00],  
 [1.5538e+01, 7.9159e-02, 9.9846e-01],  
 [2.8063e+01, 7.0502e-02, 1.4355e+00],  
 [1.2963e+01, 1.0632e-01, 8.9486e-01],  
 [1.3847e+01, 6.4633e-02, 5.3764e-01],  
 [1.3187e+01, 2.1297e-02, 8.2596e-01],  
 [5.6085e+01, 4.9733e-01, 1.4583e+00],  
 [1.2841e+00, 6.4980e-04, 1.2429e-01],  
 [1.9610e+02, 7.8913e+00, 4.0387e+00],  
 [1.5786e+01, 2.9951e-02, 1.5844e+00],  
 [1.0947e+02, 3.2553e+00, 3.3611e+00],

[2.5084e-01, 5.0156e-06, 3.1822e-02],  
[1.1278e+00, 4.5665e-04, 9.1655e-02],  
[1.3703e+00, 1.2513e-04, 1.2846e-01],  
[1.8660e+01, 6.9632e-02, 8.1164e-01],  
[2.5733e-03, 1.6121e-09, 4.1185e-04],  
[3.7196e+01, 4.0042e-02, 2.1671e+00],  
[7.1358e-01, 2.0466e-04, 7.5062e-02],  
[5.5024e+00, 3.5936e-03, 4.2521e-01],  
[1.9931e-02, 2.8105e-07, 2.8626e-03],  
[7.4351e-03, 8.0996e-08, 1.1805e-03],  
[1.3801e+00, 1.8919e-03, 1.3981e-01],  
[5.9562e-01, 4.9847e-05, 6.3494e-02],  
[1.4309e+01, 1.1738e-02, 1.0363e+00],  
[1.0475e+00, 5.8981e-05, 1.0985e-01],  
[2.9545e-02, 1.5862e-07, 4.2829e-03],  
[5.0524e-02, 2.5164e-06, 7.6691e-03],  
[1.4388e-01, 1.0427e-05, 1.8246e-02],  
[3.2146e-01, 2.3893e-05, 3.3033e-02],  
[4.7925e-02, 1.5899e-06, 7.1155e-03],  
[9.2396e-01, 2.9049e-04, 8.2213e-02],  
[3.1430e+01, 2.3941e-02, 8.7038e-01],  
[1.7876e-01, 2.4690e-05, 2.1939e-02],  
[1.6858e+00, 9.4502e-04, 1.0933e-01],  
[3.3432e+01, 1.2190e-01, 1.0420e+00],  
[9.7256e+00, 1.8378e-02, 7.5798e-01],  
[2.3012e-03, 8.0233e-09, 3.6680e-04],  
[1.2288e+00, 6.6763e-05, 1.0183e-01],  
[8.9663e+00, 2.0124e-02, 5.2354e-01],  
[2.0294e+01, 1.1444e-01, 1.1272e+00],  
[4.0907e-02, 1.9022e-07, 5.8069e-03],  
[6.9438e+00, 5.9992e-03, 3.5318e-01],  
[6.4393e+01, 3.4296e-02, 1.6228e+00],  
[2.2771e-01, 4.4264e-05, 2.6546e-02],  
[5.2352e+01, 1.4588e-01, 1.0639e+00],  
[2.2002e-01, 1.0560e-05, 2.3340e-02],  
[1.6497e+01, 8.6146e-03, 8.7962e-01],  
[1.7760e+00, 9.9525e-04, 1.8671e-01],  
[1.1313e+00, 2.0752e-04, 7.4085e-02],  
[4.6511e+01, 5.4980e-01, 1.3063e+00],  
[1.2310e+02, 1.9713e+00, 3.9318e+00],  
[1.0925e+02, 1.7795e+00, 3.2400e+00],  
[2.6221e+00, 2.9450e-03, 2.2155e-01],  
[4.5769e+00, 5.2706e-03, 2.2563e-01],  
[1.5567e-02, 2.8889e-07, 2.3054e-03],  
[3.4576e+01, 3.0509e-01, 1.0287e+00],  
[7.3575e-03, 5.5690e-08, 1.1336e-03],  
[2.3588e-02, 4.2922e-07, 3.4519e-03],  
[2.6743e-01, 1.5313e-05, 3.0288e-02],

[7.5143e+00, 9.4476e-03, 3.3047e-01],  
 [1.6913e+00, 2.5322e-04, 1.8228e-01],  
 [3.2730e+01, 2.1925e-01, 1.1832e+00],  
 [1.5612e-01, 9.0897e-06, 1.6178e-02],  
 [5.7321e+01, 4.4564e-01, 2.3131e+00],  
 [7.5831e-01, 1.5983e-04, 6.7071e-02],  
 [1.1281e+01, 1.1305e-02, 5.7446e-01],  
 [8.0937e+01, 1.5154e-01, 4.0033e+00],  
 [8.4446e-02, 2.5057e-06, 1.0562e-02],  
 [3.4340e+00, 1.5471e-03, 1.7810e-01],  
 [7.9874e+00, 7.0306e-03, 4.5335e-01],  
 [4.1673e+01, 1.2393e-01, 1.1298e+00],  
 [2.6242e+00, 1.8488e-03, 2.1667e-01],  
 [2.5898e+01, 1.2594e-01, 1.1082e+00],  
 [4.1579e-02, 2.4964e-07, 5.5784e-03],  
 [4.0166e+01, 3.2725e-02, 2.3208e+00],  
 [2.8393e+01, 7.8072e-02, 1.9257e+00],  
 [1.6799e+01, 1.0678e-01, 9.6641e-01],  
 [3.3333e+01, 7.4197e-02, 9.6273e-01],  
 [1.8586e-01, 2.5764e-05, 2.0887e-02],  
 [1.4030e-02, 8.8607e-08, 2.1309e-03],  
 [1.2204e+02, 3.5737e-01, 2.8750e+00],  
 [4.8191e+00, 4.6849e-03, 3.2513e-01],  
 [9.6929e-02, 2.2446e-06, 1.5109e-02],  
 [1.9626e+00, 3.6837e-04, 2.3466e-01],  
 [3.9875e-01, 6.6214e-05, 5.2082e-02],  
 [4.9596e+00, 3.7722e-03, 2.4495e-01],  
 [1.1265e+01, 1.7646e-02, 5.1155e-01],  
 [2.7600e+00, 6.2233e-04, 2.7505e-01],  
 [8.4651e+01, 5.9466e-01, 2.6372e+00],  
 [3.4766e-02, 8.4037e-07, 5.0071e-03],  
 [1.2739e+00, 8.5594e-05, 7.0900e-02],  
 [1.6069e+00, 1.5368e-04, 8.7587e-02],  
 [4.6317e-01, 4.7107e-05, 3.5264e-02],  
 [1.1800e+02, 2.4563e+00, 2.7186e+00],  
 [8.0837e+01, 5.1685e-01, 1.6228e+00],  
 [9.5787e+01, 1.7624e+00, 4.0233e+00],  
 [2.8234e+02, 1.0222e+01, 4.8471e+00],  
 [1.0670e+02, 4.1728e-01, 3.8718e+00],  
 [1.0822e+02, 1.0596e+00, 3.2276e+00],  
 [4.2893e-01, 1.0654e-04, 5.3108e-02],  
 [7.4765e-01, 7.9355e-05, 9.6719e-02],  
 [1.8185e+02, 5.0826e+00, 4.1879e+00],  
 [2.5453e+01, 1.6485e-01, 9.6124e-01],  
 [2.4863e+01, 2.1674e-01, 1.4072e+00],  
 [3.0504e+00, 8.0823e-04, 2.2492e-01],  
 [1.3321e+01, 1.3539e-02, 7.9988e-01],  
 [1.4738e+02, 2.9757e+00, 3.5109e+00],

[1.2354e+00, 3.0658e-05, 1.1578e-01],  
[3.4296e+00, 2.8607e-03, 3.3228e-01],  
[2.0970e-03, 7.1758e-09, 3.3748e-04],  
[6.6159e-01, 8.8879e-05, 8.0484e-02],  
[1.8965e-02, 7.1193e-08, 2.7573e-03],  
[4.1071e+00, 3.9303e-03, 2.2048e-01],  
[3.1207e-01, 2.1973e-05, 2.8538e-02],  
[1.5309e-01, 1.6516e-05, 1.6984e-02],  
[8.5349e+01, 5.6416e-01, 2.7750e+00],  
[2.0117e+00, 5.6832e-04, 1.7638e-01],  
[1.5169e+02, 2.7663e+00, 3.0163e+00],  
[7.9936e-01, 1.0325e-04, 6.2301e-02],  
[2.9591e+01, 2.2651e-01, 1.1045e+00],  
[4.0919e+00, 4.2818e-03, 2.2541e-01],  
[2.5965e+00, 1.2732e-03, 1.9330e-01],  
[8.0090e+01, 1.8801e-01, 3.3569e+00],  
[1.8982e+01, 1.8511e-01, 1.6979e+00],  
[2.3414e-01, 6.8951e-06, 3.1766e-02],  
[2.2127e+01, 8.8791e-03, 1.3272e+00],  
[1.1972e-01, 4.6618e-06, 1.4371e-02],  
[4.8114e+00, 5.5668e-03, 2.6665e-01],  
[7.9104e+00, 2.2883e-02, 6.5390e-01],  
[2.3376e+01, 5.4981e-02, 9.3200e-01],  
[1.0309e+01, 1.7553e-03, 4.3797e-01],  
[4.2380e+01, 6.0773e-02, 1.0288e+00],  
[1.4958e+01, 2.8789e-02, 5.9912e-01],  
[1.3502e+01, 4.2381e-02, 5.3496e-01],  
[2.0656e-01, 2.9406e-05, 2.5152e-02],  
[7.4111e+00, 1.6873e-03, 4.1283e-01],  
[1.2391e+01, 4.4238e-02, 5.2517e-01],  
[1.6120e-03, 2.0056e-09, 2.6111e-04],  
[4.7545e-02, 2.8526e-07, 7.0105e-03],  
[1.2420e+00, 7.6973e-05, 1.1091e-01],  
[1.2760e-01, 1.0247e-05, 1.4838e-02],  
[2.4888e+00, 1.9550e-03, 1.5453e-01],  
[1.1790e+01, 1.6025e-02, 6.6419e-01],  
[1.7697e+00, 5.0674e-04, 1.5292e-01],  
[9.4046e+01, 1.0982e+00, 4.1433e+00],  
[8.3357e-03, 8.5957e-09, 1.2890e-03],  
[2.4095e-01, 1.7409e-05, 2.8262e-02],  
[1.2297e+02, 1.0541e+00, 3.9316e+00],  
[3.0871e+01, 6.5479e-02, 1.1533e+00],  
[8.9560e-01, 3.8236e-04, 8.8419e-02],  
[3.3969e+00, 7.5640e-03, 3.3410e-01],  
[2.7610e+01, 5.1906e-02, 1.4450e+00],  
[1.4367e+02, 2.0524e+00, 2.7671e+00],  
[1.2520e+00, 2.2635e-03, 1.5728e-01],  
[5.0094e+00, 5.4889e-03, 2.3993e-01],



[5.6345e-03, 8.3468e-09, 9.1295e-04],  
 [2.9420e+00, 1.0884e-03, 2.0335e-01],  
 [6.2313e-01, 1.1966e-04, 5.8610e-02],  
 [3.7179e+00, 7.2237e-03, 3.4840e-01],  
 [3.4060e+01, 1.0961e-01, 8.2121e-01],  
 [1.1774e+01, 1.2831e-02, 7.7094e-01],  
 [5.8129e+00, 3.5957e-03, 3.2299e-01],  
 [2.0230e+02, 8.0807e+00, 4.7464e+00],  
 [2.5970e-01, 2.3664e-05, 3.5785e-02],  
 [2.2411e+01, 1.4019e-01, 7.6542e-01],  
 [1.9542e+00, 1.8703e-03, 2.5042e-01],  
 [3.5763e+00, 2.4320e-03, 2.9341e-01],  
 [8.5169e+00, 1.3372e-02, 3.5281e-01],  
 [2.6322e+02, 4.2120e+00, 4.6325e+00],  
 [2.5531e-03, 1.7030e-09, 4.0464e-04],  
 [1.9252e+01, 2.5530e-02, 5.9420e-01],  
 [2.5417e+00, 7.0527e-05, 1.6032e-01],  
 [8.6508e+01, 4.9523e-01, 1.6819e+00],  
 [3.8322e+00, 6.5410e-03, 3.3016e-01],  
 [2.0641e-01, 3.6145e-06, 2.0618e-02],  
 [3.9400e-03, 1.0456e-08, 6.2280e-04],  
 [5.4531e+01, 5.3745e-01, 2.2335e+00],  
 [4.3387e+01, 4.1104e-01, 2.8791e+00],  
 [9.3490e+00, 8.0180e-02, 9.7361e-01],  
 [1.7171e+00, 3.3672e-03, 2.1148e-01],  
 [3.2958e+00, 2.3887e-03, 4.0325e-01],  
 [1.1588e+01, 7.3113e-02, 9.1655e-01],  
 [6.9932e-01, 1.2384e-04, 6.9988e-02],  
 [5.7437e+01, 6.3202e-02, 1.5182e+00],  
 [2.7504e-02, 1.9544e-07, 3.9456e-03],  
 [1.7850e+01, 8.3871e-03, 1.2595e+00],  
 [9.3785e+01, 1.0728e+00, 2.3072e+00],  
 [1.6552e+01, 1.0319e-01, 6.9822e-01],  
 [4.0199e-01, 1.8646e-05, 4.6392e-02],  
 [2.7747e-01, 2.2000e-05, 3.2220e-02],  
 [1.5202e+00, 1.3498e-04, 1.6791e-01],  
 [2.4340e+02, 4.4665e+00, 4.6785e+00],  
 [8.3933e+00, 2.2353e-03, 4.7043e-01],  
 [3.1465e+00, 3.2924e-03, 1.9390e-01],  
 [2.9306e+00, 1.2545e-03, 1.9201e-01],  
 [2.1670e-01, 2.0811e-05, 2.3648e-02],  
 [4.1869e+00, 7.5752e-03, 2.5716e-01],  
 [3.5614e+00, 1.6264e-03, 2.0588e-01],  
 [2.3342e+01, 6.3192e-02, 6.7020e-01],  
 [4.2085e+00, 2.3424e-03, 2.4639e-01],  
 [6.8374e+00, 1.9763e-02, 3.9828e-01],  
 [6.2127e+01, 2.1004e-01, 2.3786e+00],  
 [5.9532e-01, 6.9552e-05, 3.9604e-02],

```

[1.6094e+01, 3.0119e-02, 5.6211e-01],
[1.8342e-01, 3.6754e-06, 2.4456e-02],
[8.9694e+01, 1.5754e+00, 2.8575e+00],
[1.2718e+02, 3.3719e+00, 2.9958e+00],
[4.6419e+01, 5.6795e-01, 1.2668e+00],
[2.2999e+02, 9.0916e+00, 4.6561e+00],
[4.9189e+00, 2.0086e-03, 2.6806e-01],
[6.9497e+00, 9.5043e-03, 6.1975e-01],
[2.0411e-01, 3.0057e-05, 2.3806e-02],
[1.4632e+00, 1.5963e-03, 1.8054e-01],
[1.2044e-01, 1.0092e-05, 1.6424e-02],
[4.7350e-01, 6.0244e-06, 3.7609e-02]], dtype=torch.float64)
Iteration: 266
Inputs: tensor([[8.1509e+20, 1.9178e+02, 9.5949e-01, 1.1224e+00],
[3.9727e+18, 1.0891e+02, 1.3393e+01, 4.1629e+00],
[1.7973e+20, 3.5026e+02, 3.1954e+00, 5.9865e+00],
...,
[3.0249e+19, 1.9831e+02, 8.7270e-01, 9.0059e+00],
[1.2105e+18, 3.5853e+02, 1.4124e+01, 5.9041e+00],
[7.0787e+19, 3.0627e+02, 8.9978e+00, 7.2844e+00]], dtype=torch.float64)
Target: tensor([[1.5745e+02, 6.7511e-02, 4.4034e+00],
[6.4330e-02, 1.7516e-06, 9.1444e-03],
[9.2366e+01, 5.3398e-01, 2.0203e+00],
[8.5530e-01, 6.5007e-05, 9.9458e-02],
[8.2650e+00, 2.3574e-02, 5.2866e-01],
[5.9282e+01, 6.2607e-01, 1.8744e+00],
[1.9914e+00, 5.9791e-04, 1.5341e-01],
[1.8872e-02, 4.1427e-07, 2.9059e-03],
[2.7529e-01, 1.6437e-05, 3.0590e-02],
[1.2181e-02, 5.3286e-08, 1.9037e-03],
[3.4098e+01, 3.4589e-01, 1.6205e+00],
[4.4420e-03, 2.2031e-08, 7.0128e-04],
[8.8491e+00, 2.8534e-02, 5.0923e-01],
[1.1363e+01, 2.1745e-02, 9.3976e-01],
[3.2898e+01, 1.5315e-01, 1.9166e+00],
[5.5469e+00, 2.4310e-03, 3.3426e-01],
[8.7619e-02, 1.0590e-06, 1.2092e-02],
[3.6884e+00, 1.6434e-03, 2.9742e-01],
[6.7630e-02, 3.4069e-06, 1.0100e-02],
[7.5246e+01, 4.1974e-01, 1.9132e+00],
[1.1848e+00, 1.2506e-03, 1.3690e-01],
[4.4730e-01, 2.6408e-05, 3.7537e-02],
[7.3081e-01, 6.0133e-05, 8.5581e-02],
[4.9064e+01, 2.4109e-01, 1.5155e+00],
[1.9016e+00, 1.2276e-04, 1.9624e-01],
[4.4878e+01, 1.0983e-01, 1.2749e+00],
[4.9401e-01, 7.6812e-05, 6.1753e-02],
[3.7167e-01, 8.9209e-06, 3.0295e-02],

```

[1.9979e+02, 1.7178e+00, 4.7363e+00],  
[5.5959e+01, 2.2346e-01, 2.8592e+00],  
[3.7380e+01, 1.3261e-01, 9.7860e-01],  
[9.3042e+01, 1.6720e+00, 3.8756e+00],  
[1.2592e+00, 5.0831e-05, 8.9597e-02],  
[2.3118e+01, 1.6835e-01, 1.3151e+00],  
[3.8262e+00, 1.5964e-03, 4.6362e-01],  
[3.8832e+01, 3.4030e-01, 1.5433e+00],  
[1.8017e+00, 1.2431e-03, 1.2663e-01],  
[2.2088e+01, 2.7065e-02, 1.3898e+00],  
[1.0620e-01, 8.9778e-06, 1.5378e-02],  
[7.8245e+01, 3.8499e-01, 1.5580e+00],  
[5.7125e+00, 1.0699e-02, 4.1964e-01],  
[9.3353e+01, 5.0817e-02, 3.1142e+00],  
[1.3070e+00, 7.3763e-05, 8.3925e-02],  
[1.5544e-02, 3.0476e-07, 2.2578e-03],  
[1.3535e+00, 6.0744e-04, 1.3321e-01],  
[6.3097e-02, 1.0692e-06, 9.7313e-03],  
[6.5364e-01, 5.4698e-05, 5.2895e-02],  
[8.2848e+00, 3.5202e-02, 5.5676e-01],  
[9.7476e+00, 3.4505e-02, 7.4282e-01],  
[9.7630e-02, 2.3958e-06, 1.1706e-02],  
[2.9213e+01, 2.1659e-01, 1.7840e+00],  
[1.6713e+01, 4.0731e-02, 8.6960e-01],  
[2.8255e+02, 1.3733e+00, 5.0140e+00],  
[1.1748e+01, 1.4877e-02, 1.0145e+00],  
[1.8002e+01, 2.2156e-02, 9.1704e-01],  
[1.6977e+00, 1.0175e-04, 1.7370e-01],  
[2.3014e+00, 5.9794e-03, 2.8828e-01],  
[8.3763e+01, 3.8266e-01, 1.8021e+00],  
[2.6005e+01, 1.2560e-01, 1.5412e+00],  
[1.1875e+00, 3.3408e-04, 1.1952e-01],  
[2.2704e+01, 1.0051e-01, 1.3634e+00],  
[1.7053e+01, 2.2974e-02, 1.1667e+00],  
[2.1926e+01, 1.4470e-02, 1.1448e+00],  
[2.4954e+01, 1.2538e-01, 1.0878e+00],  
[2.2909e+02, 1.4191e+01, 4.9352e+00],  
[3.6652e+01, 1.2356e-01, 1.2004e+00],  
[3.7196e+01, 3.7870e-02, 9.0869e-01],  
[5.7681e-01, 5.3874e-05, 6.6053e-02],  
[1.0310e+02, 2.0605e+00, 2.6442e+00],  
[2.8667e-02, 8.5093e-07, 4.0470e-03],  
[2.0889e+00, 1.0329e-04, 1.6616e-01],  
[1.5523e+01, 1.1568e-02, 1.3892e+00],  
[6.9970e-02, 2.4204e-06, 9.7337e-03],  
[2.2527e-02, 3.2007e-07, 3.2812e-03],  
[1.4802e+02, 2.2319e+00, 2.5950e+00],  
[7.7046e+01, 6.6860e-01, 2.5743e+00],

[1.9496e+00, 1.6060e-03, 2.1482e-01],  
 [5.2891e+00, 1.3407e-02, 3.6765e-01],  
 [3.4836e+00, 4.1081e-03, 2.0174e-01],  
 [2.7315e+00, 5.3020e-04, 1.5583e-01],  
 [3.5593e+01, 1.5115e-01, 2.1110e+00],  
 [3.9053e+01, 8.5291e-02, 1.0551e+00],  
 [1.0575e-01, 2.1522e-06, 1.1981e-02],  
 [2.1248e+02, 7.5126e+00, 4.8280e+00],  
 [1.4761e+00, 3.9958e-04, 1.5778e-01],  
 [2.8027e-01, 3.7887e-05, 2.8539e-02],  
 [5.1532e+01, 2.8669e-02, 2.4866e+00],  
 [1.5496e+02, 1.5115e+00, 3.2227e+00],  
 [6.3224e+00, 3.5617e-03, 2.7682e-01],  
 [2.1339e+02, 4.2831e+00, 3.6865e+00],  
 [6.9300e-01, 1.2666e-04, 6.8565e-02],  
 [6.6353e-01, 6.4029e-05, 5.4099e-02],  
 [5.0242e+01, 1.9840e-01, 2.0609e+00],  
 [2.1126e+02, 6.9434e+00, 5.0065e+00],  
 [2.1112e+01, 1.8925e-02, 9.0659e-01],  
 [1.9946e+00, 4.8283e-04, 1.5341e-01],  
 [6.5524e+00, 3.9369e-03, 5.0188e-01],  
 [2.0041e-01, 9.1968e-06, 2.3556e-02],  
 [9.8298e+00, 7.7956e-03, 3.9887e-01],  
 [4.4530e+00, 6.2284e-03, 2.6854e-01],  
 [5.3425e+00, 3.9358e-04, 4.5856e-01],  
 [1.4463e+00, 9.8897e-05, 1.5246e-01],  
 [1.8946e+01, 1.0930e-01, 1.0856e+00],  
 [1.2129e-01, 1.4251e-05, 1.6083e-02],  
 [1.4956e-01, 4.9333e-06, 1.6040e-02],  
 [1.6577e+02, 2.9975e+00, 3.2941e+00],  
 [2.0740e-01, 1.4760e-05, 2.5700e-02],  
 [1.9316e+00, 6.4465e-04, 1.3726e-01],  
 [9.7938e+00, 3.3227e-02, 1.0295e+00],  
 [7.5899e+00, 1.7470e-02, 8.5285e-01],  
 [2.3310e+01, 1.7748e-01, 1.6792e+00],  
 [5.4250e-02, 2.0215e-06, 8.4165e-03],  
 [2.6073e-01, 1.2273e-05, 3.8792e-02],  
 [2.0112e+01, 5.0800e-02, 1.0813e+00],  
 [8.9432e+01, 2.0817e+00, 2.9952e+00],  
 [4.6374e-01, 3.2171e-04, 6.4280e-02],  
 [2.4489e+01, 2.2889e-02, 1.5344e+00],  
 [1.9309e+00, 5.8164e-04, 2.2416e-01],  
 [1.6757e-01, 1.8602e-05, 2.3672e-02],  
 [6.0361e+00, 9.9588e-03, 4.3119e-01],  
 [3.0193e+01, 8.6340e-02, 1.1362e+00],  
 [7.3956e+01, 9.1470e-02, 1.9376e+00],  
 [6.6258e+00, 4.0885e-04, 3.8884e-01],  
 [1.4310e+00, 1.0248e-03, 1.4176e-01],

[7.2094e+00, 3.0649e-03, 4.9749e-01],  
 [1.5993e+01, 4.0599e-02, 1.0780e+00],  
 [2.3706e+01, 8.0027e-03, 9.0918e-01],  
 [3.3422e-01, 8.5583e-06, 3.9564e-02],  
 [1.3789e-01, 7.2980e-06, 2.0391e-02],  
 [3.5866e+00, 1.6087e-03, 3.2245e-01],  
 [4.0500e-02, 1.7345e-06, 5.8875e-03],  
 [6.1522e+00, 1.0267e-02, 5.3869e-01],  
 [8.9827e-01, 2.9971e-04, 8.7408e-02],  
 [1.0205e+01, 2.3642e-03, 4.6264e-01],  
 [4.8617e-01, 5.0237e-05, 4.9064e-02],  
 [3.8750e+01, 1.4739e-01, 8.4477e-01],  
 [5.9445e+01, 3.8979e-01, 1.6836e+00],  
 [2.0387e-01, 2.4632e-05, 2.0210e-02],  
 [2.1903e+01, 5.2878e-02, 5.5774e-01],  
 [1.9281e+00, 7.3042e-04, 1.3707e-01],  
 [3.7133e+00, 8.7225e-04, 1.8732e-01],  
 [7.2379e-01, 1.4393e-04, 5.9557e-02],  
 [3.2344e+00, 5.2098e-03, 3.0558e-01],  
 [4.4718e+01, 2.9298e-01, 2.0023e+00],  
 [2.5735e+00, 2.1835e-04, 1.4838e-01],  
 [8.8927e-01, 4.0170e-04, 7.3307e-02],  
 [6.7849e+00, 1.4574e-02, 3.5396e-01],  
 [2.6118e-01, 2.7747e-05, 3.3265e-02],  
 [1.5121e-02, 2.3610e-07, 2.2571e-03],  
 [1.0655e+00, 1.6299e-04, 1.0373e-01],  
 [2.7440e+01, 1.1055e-01, 9.2763e-01],  
 [1.7517e+02, 5.2711e-01, 3.7923e+00],  
 [1.1095e+02, 1.3418e+00, 3.0729e+00],  
 [5.2397e+00, 5.4152e-03, 2.6393e-01],  
 [8.3163e+00, 1.3355e-02, 9.4661e-01],  
 [3.0539e+00, 4.3461e-03, 2.5107e-01],  
 [3.5370e+00, 8.7869e-04, 2.0728e-01],  
 [1.4404e-01, 1.2085e-06, 1.6188e-02],  
 [3.7383e+01, 3.4430e-01, 9.5302e-01],  
 [5.5108e-01, 3.3975e-05, 7.7067e-02],  
 [8.9831e+01, 9.5384e-01, 3.2641e+00],  
 [3.7297e-02, 1.8334e-06, 5.1600e-03],  
 [2.4225e+02, 4.6965e-01, 4.5875e+00],  
 [4.3274e-02, 9.9214e-07, 6.0025e-03],  
 [1.0928e+01, 7.1366e-03, 8.7177e-01],  
 [4.4992e+00, 1.2908e-03, 3.0827e-01],  
 [2.1626e-01, 2.9904e-05, 3.0226e-02],  
 [1.2693e+02, 7.1504e-01, 2.6519e+00],  
 [3.0037e+01, 2.4207e-01, 1.2740e+00],  
 [7.4105e-01, 2.0977e-04, 9.6171e-02],  
 [1.6376e-01, 8.1493e-07, 1.9191e-02],  
 [3.5021e+01, 6.1696e-02, 2.5632e+00],

[5.5261e+00, 1.6487e-02, 4.0830e-01],  
 [5.0696e+00, 9.8655e-03, 4.8599e-01],  
 [5.3625e-02, 3.4908e-07, 6.9942e-03],  
 [1.9659e-01, 4.1641e-05, 2.6481e-02],  
 [1.8998e+02, 2.7511e+00, 3.5255e+00],  
 [1.8504e-01, 9.0552e-06, 2.4709e-02],  
 [1.3026e+01, 3.4638e-02, 6.9159e-01],  
 [1.6982e+02, 6.2630e+00, 3.3308e+00],  
 [2.5863e+01, 1.5490e-01, 1.2163e+00],  
 [8.4673e-04, 8.0191e-10, 1.3725e-04],  
 [2.7943e+01, 3.7372e-02, 8.0078e-01],  
 [1.8441e+00, 2.8714e-04, 1.8644e-01],  
 [5.6852e-02, 2.1826e-06, 8.6938e-03],  
 [1.4698e+02, 1.0597e+00, 2.6914e+00],  
 [2.2100e-01, 3.8405e-06, 2.7392e-02],  
 [4.5767e-02, 7.4315e-07, 6.8039e-03],  
 [2.9198e-01, 6.3203e-05, 3.0210e-02],  
 [9.0067e-01, 1.3200e-04, 6.5473e-02],  
 [1.0022e+00, 4.5550e-04, 8.0511e-02],  
 [1.6996e+01, 3.0957e-02, 4.8247e-01],  
 [4.9042e-01, 1.1970e-04, 5.6123e-02],  
 [8.6386e-01, 2.0006e-04, 6.6158e-02],  
 [2.2504e+01, 1.5618e-01, 1.8016e+00],  
 [4.2887e-01, 2.7992e-05, 5.9298e-02],  
 [6.2142e-01, 4.3697e-05, 4.4211e-02],  
 [1.6181e+00, 4.7683e-04, 1.0747e-01],  
 [1.7966e+01, 2.8477e-02, 1.7139e+00],  
 [8.0364e+01, 4.5735e-01, 2.2854e+00],  
 [4.9032e+00, 4.3193e-03, 2.8190e-01],  
 [1.8286e-02, 4.5166e-07, 2.7941e-03],  
 [1.5580e+01, 7.9734e-02, 9.3082e-01],  
 [1.2518e+01, 1.9210e-02, 1.0105e+00],  
 [4.1473e-02, 4.0187e-07, 5.7110e-03],  
 [6.3239e+00, 6.6800e-03, 5.0865e-01],  
 [7.1520e+00, 1.6644e-03, 3.4631e-01],  
 [4.4639e-01, 2.7950e-05, 5.8451e-02],  
 [1.3621e-02, 1.6937e-07, 2.0334e-03],  
 [1.9746e+01, 1.5746e-01, 1.5233e+00],  
 [6.1662e-01, 5.9581e-05, 5.9452e-02],  
 [5.0114e-01, 2.1445e-04, 6.0355e-02],  
 [4.5143e-03, 2.8165e-08, 7.1031e-04],  
 [2.3679e+01, 6.2501e-02, 9.2801e-01],  
 [1.2412e+00, 1.4904e-04, 1.1800e-01],  
 [6.1911e-02, 1.8255e-06, 8.1942e-03],  
 [2.0860e-01, 7.5256e-06, 2.0314e-02],  
 [4.7966e+01, 2.0447e-02, 1.2743e+00],  
 [1.7304e+00, 8.2893e-04, 1.4126e-01],  
 [5.7155e-01, 1.3273e-04, 7.2366e-02],

[3.1411e+00, 1.6796e-03, 2.6921e-01],  
 [9.8900e+01, 1.1392e+00, 1.8248e+00],  
 [1.7985e+01, 1.4198e-01, 1.4687e+00],  
 [1.7002e+01, 5.0687e-02, 6.2052e-01],  
 [1.6670e+02, 4.5904e+00, 4.2396e+00],  
 [2.4659e+01, 6.0516e-02, 1.4166e+00],  
 [1.1239e+01, 1.9892e-02, 6.0841e-01],  
 [2.1495e+01, 1.6281e-01, 8.2061e-01],  
 [1.1267e+01, 1.2236e-02, 5.6567e-01],  
 [3.0402e+01, 3.5057e-01, 1.6591e+00],  
 [9.2090e+01, 1.7264e+00, 2.4667e+00],  
 [1.4134e-01, 2.9189e-05, 1.9385e-02],  
 [4.8749e-01, 1.1877e-04, 5.2191e-02],  
 [2.2070e-02, 8.1012e-08, 3.2682e-03],  
 [2.9642e+00, 3.8434e-04, 2.7621e-01],  
 [8.7745e+01, 6.5537e-01, 3.2912e+00],  
 [5.2021e+01, 3.8231e-01, 2.4222e+00],  
 [1.9540e+00, 1.8998e-03, 2.0689e-01],  
 [1.9868e+01, 5.5377e-02, 1.2498e+00],  
 [2.5922e-01, 2.1648e-05, 2.9766e-02],  
 [1.4606e+02, 5.2285e+00, 3.9685e+00],  
 [2.0899e+01, 1.3910e-02, 1.3215e+00],  
 [2.7945e+01, 9.4950e-02, 1.0123e+00],  
 [1.5753e+01, 7.1614e-02, 1.1864e+00],  
 [6.5956e-01, 5.7826e-05, 5.4826e-02],  
 [2.0826e+02, 1.4211e+00, 3.4014e+00],  
 [5.5627e-01, 2.2532e-04, 6.3326e-02],  
 [2.4665e-01, 1.6934e-05, 3.4752e-02],  
 [1.3821e+00, 9.0498e-04, 1.1893e-01],  
 [4.1748e-01, 1.5588e-05, 4.4039e-02],  
 [1.2835e+02, 7.9002e-01, 2.7473e+00],  
 [1.3157e+02, 1.9475e+00, 3.7768e+00],  
 [1.3030e+02, 1.7876e-01, 3.9652e+00],  
 [1.9878e+02, 3.1131e+00, 4.2850e+00],  
 [1.8585e-01, 7.0096e-06, 2.7648e-02],  
 [1.5736e-01, 1.5604e-06, 1.8756e-02],  
 [3.9025e-01, 4.5351e-05, 3.2760e-02],  
 [1.2650e-02, 1.9318e-08, 1.9076e-03],  
 [2.8963e-01, 1.1165e-06, 2.6157e-02],  
 [3.3191e+01, 1.7026e-02, 1.6018e+00],  
 [2.8233e-02, 1.3069e-07, 3.9518e-03],  
 [1.5709e+00, 7.9853e-04, 1.1149e-01],  
 [6.8597e+01, 2.9670e-01, 2.2765e+00],  
 [1.0469e-01, 1.3237e-05, 1.3280e-02],  
 [1.6434e+00, 3.5347e-04, 1.6862e-01],  
 [3.7540e-01, 3.6335e-05, 3.9857e-02],  
 [2.2371e-01, 1.9352e-05, 2.5893e-02],  
 [5.4362e+00, 2.0824e-02, 5.1023e-01],

[1.1645e+01, 7.0160e-03, 6.0253e-01],  
 [2.8697e+00, 3.5331e-03, 3.4096e-01],  
 [9.1709e-01, 2.9010e-04, 8.4694e-02],  
 [1.2515e+01, 8.2088e-03, 6.9750e-01],  
 [9.0699e-02, 3.0121e-07, 1.1192e-02],  
 [8.2775e+00, 4.3818e-03, 2.8401e-01],  
 [3.3023e+01, 2.4364e-02, 8.5896e-01],  
 [7.1548e-01, 2.4202e-04, 7.2410e-02],  
 [1.6196e+02, 1.8561e+00, 3.0392e+00],  
 [7.8379e+01, 1.4280e+00, 2.4241e+00],  
 [5.4162e+01, 2.9395e-01, 1.2850e+00],  
 [5.0478e+00, 6.9837e-03, 3.5673e-01],  
 [4.5973e+01, 2.6719e-01, 1.8351e+00],  
 [5.8894e-02, 1.2503e-06, 8.8934e-03],  
 [4.2657e+01, 2.4860e-01, 2.1937e+00],  
 [1.2066e+02, 1.7712e+00, 2.9195e+00],  
 [7.1692e+01, 2.0407e-01, 3.7448e+00],  
 [3.3515e-01, 3.9918e-05, 3.6793e-02],  
 [1.7395e+01, 4.7652e-02, 1.1780e+00],  
 [6.3617e+00, 2.5675e-03, 3.7495e-01],  
 [1.5388e+02, 9.2175e-01, 4.4028e+00],  
 [1.6764e+01, 6.5640e-02, 1.0893e+00],  
 [1.3890e+01, 2.6264e-02, 5.6347e-01],  
 [4.5617e-02, 5.3303e-07, 5.9401e-03],  
 [4.0487e-01, 4.6283e-05, 3.5292e-02],  
 [1.7612e-01, 2.4901e-05, 2.0509e-02],  
 [2.2454e+00, 1.4001e-03, 1.6760e-01],  
 [3.0541e-01, 3.7016e-05, 2.6521e-02],  
 [2.2451e+02, 2.7507e+00, 3.9337e+00],  
 [6.9206e+00, 2.4288e-03, 4.5313e-01],  
 [5.5748e+00, 1.3158e-02, 6.9718e-01],  
 [4.7130e+01, 4.4095e-01, 1.4515e+00],  
 [3.8773e+00, 8.0549e-03, 2.8088e-01],  
 [4.9216e+01, 3.3838e-01, 2.0182e+00],  
 [6.4325e+01, 5.0818e-01, 2.8583e+00],  
 [6.7286e-01, 2.7702e-04, 6.4631e-02],  
 [2.0509e-01, 2.0534e-05, 2.0919e-02],  
 [5.0352e+00, 1.3788e-03, 2.5192e-01],  
 [5.2553e+01, 5.2934e-02, 2.1628e+00],  
 [8.9363e-01, 6.2805e-05, 5.3620e-02],  
 [1.7144e+02, 2.2048e-01, 4.7449e+00],  
 [2.3563e+01, 1.3712e-01, 1.3671e+00],  
 [2.7198e+02, 8.7112e+00, 4.9580e+00],  
 [5.8963e+01, 3.3800e-01, 2.7550e+00],  
 [1.5910e+02, 1.8148e+00, 3.9198e+00],  
 [8.0116e-02, 2.9516e-06, 1.0955e-02],  
 [3.0156e-02, 2.7685e-07, 4.2798e-03],  
 [1.0290e-02, 9.2640e-09, 1.5886e-03],



```

[5.4761e+00, 5.1916e-03, 3.4095e-01],
[1.7982e+01, 3.8633e-02, 6.4684e-01],
[1.1957e-01, 5.9484e-06, 1.3626e-02],
[3.4007e+01, 1.9446e-01, 1.1114e+00]], dtype=torch.float64)
Iteration: 267
Inputs: tensor([[2.9477e+19, 2.6300e+02, 2.5279e+00, 7.2738e+00],
[2.4549e+18, 2.1782e+02, 1.3218e+01, 1.9394e+00],
[4.8823e+18, 2.0641e+02, 1.1481e+01, 5.9210e+00],
...,
[1.6320e+19, 4.2398e+02, 1.6479e+01, 8.8569e+00],
[9.3500e+19, 1.9303e+02, 1.7649e+01, 1.1234e+00],
[1.9724e+18, 9.1544e+01, 7.0951e+00, 9.6178e+00]], dtype=torch.float64)
Target: tensor([[1.8751e+01, 3.2141e-02, 6.4471e-01],
[3.3171e-02, 1.9095e-07, 4.8145e-03],
[5.5600e-01, 1.0037e-04, 5.8267e-02],
[3.2639e-01, 5.7375e-05, 4.6424e-02],
[4.5611e+00, 2.1230e-03, 5.2099e-01],
[5.4072e+01, 1.0007e-01, 1.2266e+00],
[3.8941e-01, 2.5217e-05, 4.4010e-02],
[3.0398e-01, 1.7742e-05, 4.2432e-02],
[8.5027e+01, 1.1053e+00, 2.8023e+00],
[5.5469e-02, 7.4756e-07, 7.7830e-03],
[9.4621e+01, 4.9580e-01, 3.6554e+00],
[1.3313e+01, 2.4790e-02, 4.8232e-01],
[1.2506e-01, 2.0823e-06, 1.6633e-02],
[3.8962e+00, 7.2399e-03, 3.3389e-01],
[1.2838e+00, 3.1414e-04, 1.2776e-01],
[4.1310e+00, 6.0846e-04, 2.0978e-01],
[7.4199e-01, 2.3908e-04, 6.6685e-02],
[2.1807e+00, 7.4621e-04, 1.7433e-01],
[1.4658e+01, 8.1032e-02, 9.7242e-01],
[6.7004e-02, 4.4739e-06, 9.6366e-03],
[7.8959e-01, 1.9973e-04, 7.1908e-02],
[4.5777e+01, 1.5653e-01, 1.4465e+00],
[3.2246e+01, 7.4978e-02, 1.4667e+00],
[1.8686e-02, 2.2125e-07, 2.9261e-03],
[3.9999e+01, 3.5367e-02, 1.2588e+00],
[1.2323e+00, 2.0296e-04, 1.4556e-01],
[1.4004e-02, 3.9821e-08, 2.2116e-03],
[8.8418e+00, 1.9985e-02, 3.9765e-01],
[1.0495e+02, 3.1247e+00, 2.8089e+00],
[3.7653e+01, 4.4848e-01, 1.3100e+00],
[2.5681e+00, 3.7365e-04, 2.1052e-01],
[3.8501e+01, 1.1937e-01, 2.1808e+00],
[1.8525e+00, 4.5467e-04, 1.6984e-01],
[1.0601e-01, 1.0724e-05, 1.4262e-02],
[1.5985e+01, 3.3991e-02, 1.0338e+00],
[5.6391e+01, 5.1028e-01, 1.6358e+00],

```

[1.2329e+02, 1.1743e+00, 2.3451e+00],  
 [9.6457e+01, 1.1397e+00, 3.1961e+00],  
 [1.2420e+00, 1.5030e-04, 1.0801e-01],  
 [5.0598e+01, 6.0724e-01, 3.0006e+00],  
 [2.7962e+00, 8.6880e-04, 1.7660e-01],  
 [3.6848e+00, 1.0108e-04, 2.2440e-01],  
 [8.8864e-01, 1.2233e-05, 6.5768e-02],  
 [2.3602e-02, 1.4916e-07, 3.5679e-03],  
 [1.0602e+01, 3.2128e-03, 6.5857e-01],  
 [6.8685e-01, 1.1674e-04, 7.1980e-02],  
 [5.3069e-01, 1.2322e-05, 5.0255e-02],  
 [3.5248e+01, 1.0002e-01, 2.5915e+00],  
 [1.4952e+00, 1.4806e-04, 9.5143e-02],  
 [1.2716e+00, 2.9403e-04, 1.2936e-01],  
 [3.4438e+01, 1.2769e-01, 1.5997e+00],  
 [6.4629e-01, 1.4812e-04, 6.2478e-02],  
 [2.0101e+01, 8.2960e-02, 1.0353e+00],  
 [2.0011e-02, 1.6038e-07, 2.9848e-03],  
 [2.2560e+01, 1.8063e-02, 5.5901e-01],  
 [8.4823e+00, 3.8905e-03, 4.7059e-01],  
 [2.5842e+00, 3.7546e-04, 1.8068e-01],  
 [2.4070e-01, 1.2275e-05, 2.6957e-02],  
 [2.7270e+00, 2.9328e-03, 1.9150e-01],  
 [9.9514e-03, 2.1357e-08, 1.5125e-03],  
 [5.7411e-01, 3.0294e-05, 7.2782e-02],  
 [2.8906e+01, 1.3449e-01, 9.2621e-01],  
 [2.5169e+01, 2.3709e-01, 1.1877e+00],  
 [2.8367e+01, 1.7375e-01, 8.6967e-01],  
 [9.4876e-03, 1.8556e-08, 1.5113e-03],  
 [1.7730e+01, 1.4246e-02, 5.2803e-01],  
 [1.6241e-01, 2.1794e-06, 1.8904e-02],  
 [7.7025e-02, 2.3891e-06, 1.0211e-02],  
 [1.9834e-01, 6.5041e-06, 2.0265e-02],  
 [4.2001e+01, 4.0441e-01, 2.0339e+00],  
 [1.8808e+02, 5.1864e+00, 4.4956e+00],  
 [1.4839e+02, 2.8841e+00, 3.8086e+00],  
 [4.4628e-01, 2.8252e-05, 3.3144e-02],  
 [1.5916e+00, 1.0064e-03, 1.1989e-01],  
 [3.9242e-02, 1.0075e-06, 5.4830e-03],  
 [1.1272e-01, 4.9207e-06, 1.3478e-02],  
 [4.4607e-01, 1.6640e-04, 4.4844e-02],  
 [1.3386e+01, 2.8477e-02, 5.3544e-01],  
 [3.9658e+01, 5.8783e-01, 2.6746e+00],  
 [5.9393e-02, 9.6874e-07, 7.9470e-03],  
 [3.0447e+00, 5.3693e-03, 2.6463e-01],  
 [1.1146e+00, 8.1042e-04, 1.2559e-01],  
 [1.0930e+00, 1.4133e-04, 1.0507e-01],  
 [1.1260e+02, 2.4979e+00, 2.8514e+00],

[5.3320e-01, 2.1260e-04, 5.4232e-02],  
 [4.8234e+00, 6.0927e-03, 4.1534e-01],  
 [2.3461e+01, 5.1207e-02, 8.5716e-01],  
 [6.8447e+00, 3.3140e-03, 7.3993e-01],  
 [5.6959e+00, 5.2681e-03, 5.8171e-01],  
 [2.6399e+01, 8.7326e-02, 6.8815e-01],  
 [4.7116e+00, 2.8890e-03, 3.6905e-01],  
 [2.3979e+01, 4.1870e-02, 1.7858e+00],  
 [1.1591e+01, 1.6892e-02, 5.8234e-01],  
 [1.6680e+00, 8.9188e-04, 1.1362e-01],  
 [1.6683e+01, 1.2170e-02, 7.8319e-01],  
 [6.5279e-01, 1.0644e-04, 8.1234e-02],  
 [5.9989e-02, 2.3956e-07, 7.8840e-03],  
 [3.3441e+01, 1.5993e-02, 1.1256e+00],  
 [1.3506e+02, 5.3950e-01, 3.3357e+00],  
 [6.7444e-01, 4.6075e-05, 4.3425e-02],  
 [1.1865e+01, 3.9596e-02, 6.0091e-01],  
 [4.8606e+00, 4.8406e-03, 3.1100e-01],  
 [5.0033e+00, 4.6709e-03, 2.8087e-01],  
 [1.1402e-01, 2.5106e-07, 1.5891e-02],  
 [8.0657e+01, 1.4829e+00, 3.2597e+00],  
 [6.1799e+00, 6.2025e-03, 4.1222e-01],  
 [1.6861e+02, 3.5721e+00, 3.4908e+00],  
 [1.6268e+01, 3.5726e-02, 8.2984e-01],  
 [2.0262e-01, 4.6205e-06, 2.3629e-02],  
 [1.0299e+01, 8.5187e-03, 7.8796e-01],  
 [2.8906e-01, 1.4959e-05, 2.5694e-02],  
 [5.0067e+00, 2.3199e-02, 5.4765e-01],  
 [7.7355e+00, 1.9586e-02, 3.6222e-01],  
 [1.7805e+02, 3.6861e-01, 2.8338e+00],  
 [2.2120e+01, 1.4924e-01, 1.2090e+00],  
 [1.0809e+01, 1.9868e-02, 5.1858e-01],  
 [1.0989e+02, 1.6722e+00, 2.4729e+00],  
 [1.2119e+02, 1.3576e+00, 2.7778e+00],  
 [8.5586e+01, 7.4012e-01, 3.2524e+00],  
 [4.6964e-01, 2.1547e-05, 5.9097e-02],  
 [8.1050e+01, 9.2119e-01, 2.1181e+00],  
 [4.4595e+00, 1.7145e-03, 2.5294e-01],  
 [1.6890e+01, 1.8641e-02, 1.2785e+00],  
 [1.6448e-01, 1.8738e-05, 2.0090e-02],  
 [7.1519e+00, 2.3040e-02, 4.4220e-01],  
 [1.0457e-01, 2.5919e-06, 1.3848e-02],  
 [3.1030e+01, 1.7916e-01, 1.4323e+00],  
 [3.2189e-02, 1.0509e-06, 4.4480e-03],  
 [9.4818e+01, 8.8263e-01, 3.6233e+00],  
 [6.7548e+01, 2.1249e-01, 2.3832e+00],  
 [2.7096e+01, 1.6473e-01, 8.6150e-01],  
 [5.9002e-01, 4.5697e-05, 6.3907e-02],

[6.7273e+00, 5.5092e-04, 3.0798e-01],  
[1.0556e-01, 9.1560e-06, 1.4179e-02],  
[6.2827e-01, 2.3634e-05, 6.1089e-02],  
[1.8262e-02, 9.0688e-08, 2.7584e-03],  
[8.2325e+01, 2.3794e-01, 3.6965e+00],  
[4.7045e+01, 5.8219e-02, 2.4192e+00],  
[2.8824e-02, 3.0008e-07, 4.1571e-03],  
[8.3762e-01, 6.6510e-05, 6.7956e-02],  
[2.3384e-01, 3.6497e-05, 3.2481e-02],  
[8.8113e-03, 2.7390e-08, 1.3732e-03],  
[8.1943e-01, 4.9300e-04, 1.0473e-01],  
[8.1607e+00, 5.2706e-03, 6.1596e-01],  
[7.3989e-02, 7.8791e-06, 1.0479e-02],  
[7.4535e-02, 4.3213e-06, 1.0833e-02],  
[8.6819e+00, 3.5202e-02, 6.1899e-01],  
[2.1275e+01, 4.4737e-02, 1.8190e+00],  
[1.3747e+01, 6.1651e-02, 5.3454e-01],  
[9.8668e+00, 7.7022e-03, 3.4905e-01],  
[4.8597e-02, 1.2851e-07, 6.3049e-03],  
[1.1849e+02, 1.4724e+00, 3.5176e+00],  
[1.1166e+01, 2.9218e-02, 1.1226e+00],  
[2.2524e+01, 3.1059e-02, 1.9510e+00],  
[2.3953e-01, 2.3996e-05, 2.9501e-02],  
[8.5927e+01, 1.0587e+00, 2.6950e+00],  
[6.7650e-04, 7.0184e-11, 1.1093e-04],  
[2.6065e+02, 4.6596e+00, 4.9521e+00],  
[5.4812e+01, 2.6277e-01, 2.7293e+00],  
[4.1053e+01, 9.7321e-02, 1.1214e+00],  
[8.0524e-01, 1.6574e-04, 7.9719e-02],  
[3.7850e+01, 2.1741e-01, 1.3231e+00],  
[8.1152e+01, 2.4582e-01, 2.9423e+00],  
[2.2714e+02, 4.7954e+00, 4.3482e+00],  
[1.5167e+02, 1.7022e+00, 4.3077e+00],  
[3.5446e+00, 2.4488e-03, 2.2653e-01],  
[2.9338e-01, 7.9908e-06, 3.0848e-02],  
[3.6124e+00, 1.7222e-03, 3.2062e-01],  
[4.1467e+00, 8.8380e-03, 4.1326e-01],  
[2.3710e+01, 9.6731e-02, 1.7076e+00],  
[2.0492e+02, 6.8059e+00, 4.1147e+00],  
[8.3109e+01, 2.7127e-01, 3.6080e+00],  
[4.7836e+01, 3.4103e-01, 2.0569e+00],  
[5.7006e-01, 1.3903e-05, 6.3078e-02],  
[1.4790e-01, 4.4308e-06, 1.6878e-02],  
[7.2798e+01, 1.7014e+00, 2.2872e+00],  
[4.4451e+00, 6.2980e-03, 4.9480e-01],  
[2.1013e-02, 1.2723e-07, 3.1730e-03],  
[6.8683e-04, 1.0416e-10, 1.1218e-04],  
[5.4075e+00, 6.6442e-04, 2.8769e-01],

[1.6758e+01, 8.0533e-02, 1.2264e+00],  
 [4.8390e+01, 8.6631e-03, 1.3593e+00],  
 [1.9434e+00, 2.0380e-03, 2.3429e-01],  
 [1.0344e+02, 3.9509e-01, 1.7469e+00],  
 [4.6127e+01, 5.0042e-01, 1.2788e+00],  
 [1.6653e+01, 2.2446e-03, 6.0234e-01],  
 [1.7501e+00, 1.5247e-03, 1.5267e-01],  
 [5.3436e+01, 1.1567e-01, 1.8463e+00],  
 [1.1597e+02, 5.5946e-01, 2.3979e+00],  
 [5.0596e+01, 4.1604e-02, 2.2316e+00],  
 [9.4683e+01, 3.0911e-01, 2.4559e+00],  
 [2.2214e+00, 2.3277e-03, 1.8463e-01],  
 [1.1115e+00, 6.9761e-04, 1.3605e-01],  
 [2.2008e+00, 9.2580e-04, 1.4370e-01],  
 [3.1020e+01, 8.4072e-02, 1.0309e+00],  
 [5.2551e+00, 9.4956e-03, 4.0323e-01],  
 [1.7629e-01, 2.5356e-06, 1.9452e-02],  
 [3.0112e-01, 1.7295e-05, 2.9687e-02],  
 [5.8463e+00, 8.5725e-04, 4.6117e-01],  
 [8.9622e+01, 1.1266e+00, 2.1023e+00],  
 [2.5541e+01, 2.0511e-01, 1.4551e+00],  
 [2.2648e+01, 5.3193e-02, 1.4161e+00],  
 [1.2816e-02, 6.7857e-08, 1.8978e-03],  
 [2.7068e-01, 2.0480e-05, 2.9750e-02],  
 [1.0745e+02, 2.8443e+00, 4.3861e+00],  
 [4.1749e+01, 1.8800e-01, 1.8005e+00],  
 [1.1939e+02, 2.7588e+00, 2.3997e+00],  
 [3.0801e-02, 7.0430e-07, 4.5482e-03],  
 [1.9089e-01, 1.6040e-05, 2.1705e-02],  
 [7.8187e+00, 5.0239e-03, 2.8097e-01],  
 [1.4883e+00, 6.5827e-04, 1.1281e-01],  
 [1.6162e+00, 5.1853e-04, 1.3708e-01],  
 [1.5427e+01, 8.4859e-02, 7.9497e-01],  
 [1.3095e+00, 1.5670e-04, 1.2789e-01],  
 [2.9151e+01, 4.8673e-02, 1.2109e+00],  
 [1.8484e+00, 5.2838e-04, 2.3131e-01],  
 [1.0289e+01, 1.0696e-02, 6.9066e-01],  
 [3.8245e-01, 1.2296e-05, 4.7225e-02],  
 [2.0840e+01, 5.3956e-03, 7.8029e-01],  
 [2.3449e+01, 5.6529e-02, 1.3270e+00],  
 [2.3127e+01, 9.5509e-02, 1.9730e+00],  
 [9.1868e-01, 2.4297e-04, 7.0846e-02],  
 [1.3808e+00, 1.9950e-04, 9.0036e-02],  
 [3.7353e-02, 2.1131e-07, 5.2298e-03],  
 [1.3651e-01, 1.9438e-05, 1.7878e-02],  
 [8.3686e+01, 1.5132e-01, 2.5252e+00],  
 [1.0265e+00, 7.0731e-04, 9.8333e-02],  
 [1.1613e+00, 6.0889e-05, 6.8160e-02],

[2.2718e+00, 3.4436e-03, 2.4154e-01],  
 [6.1405e+00, 1.3954e-02, 5.6406e-01],  
 [5.8167e+00, 1.2449e-03, 4.5305e-01],  
 [7.4472e+01, 1.8140e-01, 2.7271e+00],  
 [2.2064e-01, 7.9978e-06, 2.7724e-02],  
 [7.0946e-04, 1.6570e-10, 1.1567e-04],  
 [8.1425e+01, 9.4629e-01, 3.1797e+00],  
 [1.9056e+00, 1.4219e-04, 1.3068e-01],  
 [1.0285e+00, 1.0950e-04, 7.3667e-02],  
 [3.1556e-01, 6.9006e-05, 3.5701e-02],  
 [1.2841e+02, 6.4375e-02, 4.4846e+00],  
 [1.9738e+02, 2.8298e+00, 3.1207e+00],  
 [3.0832e+01, 3.1972e-01, 1.5955e+00],  
 [1.2964e+01, 6.1619e-02, 1.2157e+00],  
 [2.7692e-01, 1.2373e-05, 3.3075e-02],  
 [1.3095e+01, 3.1090e-02, 6.5064e-01],  
 [3.5080e+01, 4.6650e-02, 1.3901e+00],  
 [3.6013e+00, 1.0723e-03, 4.2276e-01],  
 [1.8777e+00, 3.5616e-04, 1.2576e-01],  
 [3.0009e+00, 3.7192e-03, 2.0753e-01],  
 [6.6846e-01, 5.3443e-06, 6.8384e-02],  
 [4.5510e+01, 4.3951e-01, 1.6516e+00],  
 [2.5483e-02, 2.5299e-07, 3.6117e-03],  
 [4.4494e-01, 1.5392e-05, 5.5932e-02],  
 [2.4850e+01, 5.8502e-02, 6.6675e-01],  
 [6.8329e+01, 3.2022e-01, 3.5173e+00],  
 [1.7626e+01, 6.9113e-02, 8.1134e-01],  
 [2.1530e+00, 9.3325e-04, 1.7115e-01],  
 [4.2685e+01, 4.2787e-02, 1.1174e+00],  
 [7.3210e+01, 1.3965e+00, 3.5951e+00],  
 [8.4557e-02, 8.5463e-07, 1.1819e-02],  
 [9.7798e-01, 8.5610e-05, 1.0746e-01],  
 [8.4321e-03, 2.2783e-08, 1.3145e-03],  
 [4.1273e+01, 5.6562e-01, 1.4582e+00],  
 [6.2225e+00, 3.8681e-03, 2.8557e-01],  
 [3.2966e+01, 6.1812e-02, 2.0665e+00],  
 [5.9263e+01, 6.3383e-01, 1.4443e+00],  
 [1.3761e+02, 1.9154e+00, 3.7322e+00],  
 [2.8648e+00, 5.8883e-03, 2.7385e-01],  
 [5.8975e+00, 7.3030e-03, 4.6196e-01],  
 [2.4437e-02, 1.3860e-07, 3.5643e-03],  
 [8.5409e+00, 4.1967e-02, 5.7271e-01],  
 [1.4927e+02, 3.4024e+00, 3.0044e+00],  
 [2.0279e+01, 7.5934e-02, 1.2858e+00],  
 [1.9832e+01, 7.6139e-03, 6.0208e-01],  
 [4.6931e-01, 1.2510e-04, 6.6954e-02],  
 [3.4429e+00, 4.1692e-04, 2.1619e-01],  
 [2.0456e-01, 8.5432e-06, 2.5542e-02],

```
[3.9685e+00, 3.8090e-03, 2.4515e-01],
[3.2257e-01, 1.3278e-04, 4.3407e-02],
[3.8563e+00, 1.7384e-03, 2.3375e-01],
[1.2356e+01, 3.0792e-02, 4.8393e-01],
[1.9469e+00, 8.1252e-04, 1.3004e-01],
[1.7454e-01, 2.8015e-05, 2.3212e-02],
[8.4279e+00, 2.2756e-03, 3.1118e-01],
[1.1147e-01, 2.0704e-06, 1.3071e-02],
[3.5642e-01, 3.9643e-05, 3.4959e-02],
[7.9225e+01, 4.6514e-01, 2.1631e+00],
[1.1847e+01, 1.4507e-02, 6.2953e-01],
[1.5600e-01, 1.1331e-05, 1.7872e-02],
[1.2369e+01, 1.8665e-02, 8.1616e-01],
[5.8476e+00, 6.8300e-03, 2.4829e-01],
[1.6860e+02, 3.1233e+00, 2.9099e+00],
[1.8400e-03, 4.2650e-09, 2.9726e-04],
[6.9799e-01, 1.3578e-04, 9.8204e-02],
[2.2580e+01, 7.5606e-02, 9.9187e-01],
[2.0581e+00, 7.7618e-04, 2.0941e-01],
[1.0004e+02, 1.4749e+00, 2.6352e+00],
[2.4577e+01, 8.9713e-02, 1.5593e+00],
[1.1369e-01, 1.5499e-06, 1.3642e-02],
[2.9656e+00, 3.2731e-03, 3.9511e-01],
[3.3509e-01, 1.5363e-05, 3.4355e-02],
[4.8140e+00, 1.2751e-03, 2.5339e-01],
[8.4212e-02, 5.0589e-06, 1.2005e-02],
[4.0911e+01, 1.2548e-01, 9.8234e-01],
[1.0086e-01, 9.2090e-06, 1.4598e-02],
[1.2963e-01, 2.5354e-06, 1.5745e-02],
[1.0220e-01, 1.7313e-06, 1.5296e-02],
[3.4245e-01, 1.1549e-05, 3.9443e-02],
[7.4267e+00, 2.0339e-03, 2.8083e-01],
[8.1393e-03, 2.4160e-08, 1.2379e-03],
[6.5924e+01, 1.3668e+00, 2.9883e+00],
[3.6491e+01, 6.4387e-02, 1.5406e+00],
[9.6309e+01, 3.3079e+00, 3.8453e+00],
[1.6045e+01, 9.2667e-02, 7.2777e-01],
[9.2951e+00, 1.3590e-02, 5.1407e-01],
[4.0937e-01, 5.6733e-05, 3.5552e-02],
[8.4354e+00, 9.3390e-03, 4.3160e-01],
[8.2315e-01, 9.2242e-05, 1.1219e-01],
[7.7823e+00, 1.9449e-02, 3.8174e-01],
[2.0489e+00, 5.4994e-04, 2.4628e-01],
[7.3186e-02, 4.1863e-06, 9.6773e-03]], dtype=torch.float64)
```

Iteration: 268

```
Inputs: tensor([[6.8334e+20, 2.2889e+02, 1.1904e+00, 8.8674e+00],
               [3.1076e+19, 2.0844e+02, 1.3681e+01, 5.9992e+00],
               [2.0220e+20, 1.2967e+02, 1.2343e+01, 1.2411e+00],
```

```

...,
[3.0087e+18, 3.7268e+02, 8.7282e+00, 1.3229e+00],
[1.1305e+20, 2.9161e+02, 1.0007e+01, 5.9378e+00],
[4.1612e+18, 3.9666e+02, 1.2161e+01, 9.0217e+00]], dtype=torch.float64)
Target: tensor([[2.0959e+02, 4.2116e+00, 4.1895e+00],
[6.9458e+00, 1.2832e-02, 4.6213e-01],
[4.4317e+00, 1.7268e-03, 4.9874e-01],
[5.5849e-01, 1.5838e-04, 4.6666e-02],
[6.3699e+01, 1.1485e+00, 1.7332e+00],
[1.3728e+00, 1.4201e-03, 1.4520e-01],
[5.0826e-02, 1.6972e-06, 7.1281e-03],
[9.5204e-01, 1.0976e-04, 8.0670e-02],
[1.5239e+01, 3.0825e-02, 1.1638e+00],
[2.7926e+00, 6.3947e-03, 2.5205e-01],
[1.6227e+02, 4.8138e+00, 3.9021e+00],
[1.9843e+00, 1.8647e-03, 1.6715e-01],
[7.3364e+01, 1.2570e+00, 3.2767e+00],
[1.2668e+02, 2.0973e+00, 3.3566e+00],
[1.5400e+01, 3.2624e-02, 6.9940e-01],
[9.4996e+01, 6.6808e-01, 2.0198e+00],
[1.5235e+02, 3.7219e+00, 3.8702e+00],
[2.6656e+01, 1.9629e-01, 1.3095e+00],
[1.7225e-01, 1.8204e-05, 2.0516e-02],
[3.5490e-01, 2.7732e-05, 3.7377e-02],
[2.1003e+01, 1.6498e-01, 1.5996e+00],
[1.0759e+01, 1.1855e-02, 4.4869e-01],
[9.2451e-01, 1.5160e-04, 1.1305e-01],
[2.9585e+01, 6.2453e-02, 1.8675e+00],
[3.0431e-02, 7.6245e-07, 4.3654e-03],
[6.9840e+00, 1.1629e-02, 3.1476e-01],
[9.7518e-02, 9.4215e-06, 1.1382e-02],
[4.4479e+01, 8.1963e-01, 1.7946e+00],
[2.3699e+02, 1.0962e+01, 4.7147e+00],
[1.2676e+01, 2.7432e-02, 6.0630e-01],
[5.8660e-01, 4.6366e-05, 7.0787e-02],
[1.1169e+02, 1.9238e+00, 3.5988e+00],
[9.4628e-01, 1.2237e-04, 8.8086e-02],
[6.7762e-01, 8.0623e-05, 5.3807e-02],
[1.7796e+02, 6.6641e+00, 3.8803e+00],
[3.4641e-01, 1.0409e-04, 4.0923e-02],
[3.5284e+01, 4.3262e-01, 1.6053e+00],
[1.7126e-01, 3.6172e-06, 1.8750e-02],
[7.0651e-01, 3.0355e-04, 7.3078e-02],
[4.6217e+00, 3.4993e-03, 3.2547e-01],
[6.7019e+00, 6.8675e-03, 4.5632e-01],
[1.8063e+01, 1.2190e-01, 1.2420e+00],
[6.9983e-01, 2.3608e-04, 7.3015e-02],
[2.5223e-01, 2.5817e-05, 3.4053e-02],

```



[1.6034e+02, 3.4012e+00, 3.6980e+00],  
 [1.2760e+01, 2.0696e-02, 6.0841e-01],  
 [1.0624e+02, 6.4240e-01, 3.6513e+00],  
 [9.8942e-01, 2.5875e-04, 1.3404e-01],  
 [1.7292e-01, 3.2290e-06, 1.8254e-02],  
 [7.8864e-02, 7.2686e-07, 1.0040e-02],  
 [1.8712e+02, 9.4541e-01, 4.4623e+00],  
 [1.1758e+00, 8.9728e-05, 1.2194e-01],  
 [6.7873e-02, 3.6982e-07, 9.0868e-03],  
 [1.2817e+02, 8.3057e-01, 4.4382e+00],  
 [2.0360e+00, 1.2614e-03, 2.7172e-01],  
 [4.7256e-02, 2.6241e-07, 7.0878e-03],  
 [3.9835e+00, 4.1871e-03, 2.5978e-01],  
 [1.5780e+01, 2.4215e-02, 5.2862e-01],  
 [1.1064e+01, 1.7064e-02, 6.3704e-01],  
 [1.4036e+00, 2.2095e-03, 1.8107e-01],  
 [7.7061e+00, 8.5527e-04, 2.9813e-01],  
 [1.8724e+00, 4.5264e-03, 2.2999e-01],  
 [1.1003e+01, 3.8202e-03, 7.5922e-01],  
 [1.8089e+02, 1.1578e+00, 3.2019e+00],  
 [8.0745e+01, 3.7267e-01, 2.7374e+00],  
 [7.6894e+01, 7.0607e-01, 2.8837e+00],  
 [1.0801e+01, 1.9264e-03, 6.2523e-01],  
 [4.3982e-02, 1.2684e-06, 5.9002e-03],  
 [1.3932e-01, 3.2259e-06, 1.4771e-02],  
 [1.3142e+01, 2.1621e-02, 4.5656e-01],  
 [2.3752e-01, 8.8158e-06, 2.2074e-02],  
 [2.1842e-01, 9.0827e-06, 2.7733e-02],  
 [5.3536e+01, 5.4613e-02, 1.4074e+00],  
 [3.0482e+00, 2.0473e-03, 2.3855e-01],  
 [5.0441e+01, 5.1340e-01, 1.4683e+00],  
 [3.4733e+01, 2.0919e-01, 1.2259e+00],  
 [2.1644e-01, 1.2262e-05, 2.0445e-02],  
 [1.0105e+00, 1.0185e-04, 9.1166e-02],  
 [8.9031e+01, 1.0115e+00, 4.0783e+00],  
 [1.7233e+01, 3.5667e-03, 6.1746e-01],  
 [1.5390e+01, 9.5356e-03, 6.1301e-01],  
 [1.8451e-02, 6.2940e-07, 2.8898e-03],  
 [5.6654e+00, 4.7646e-03, 4.2169e-01],  
 [3.9652e+00, 1.0936e-03, 3.3592e-01],  
 [1.9981e+02, 8.0448e+00, 4.9273e+00],  
 [1.4418e+00, 6.0821e-04, 2.0037e-01],  
 [1.4771e+01, 2.2175e-02, 8.8788e-01],  
 [5.4184e-01, 2.3162e-05, 4.6737e-02],  
 [1.6805e+02, 3.3872e+00, 3.6470e+00],  
 [4.9113e+00, 3.3116e-03, 6.1775e-01],  
 [1.8919e-01, 2.4984e-05, 2.4464e-02],  
 [3.6086e+00, 1.8046e-03, 2.6217e-01],

[1.1381e+01, 5.1092e-03, 5.5669e-01],  
 [1.5120e-02, 2.1687e-07, 2.3954e-03],  
 [1.6988e+01, 6.2833e-02, 1.0163e+00],  
 [2.2517e-01, 2.5465e-05, 2.1948e-02],  
 [2.9517e+01, 1.4934e-01, 1.3380e+00],  
 [1.2429e+00, 2.2196e-04, 1.2331e-01],  
 [1.4293e-01, 4.5548e-06, 1.8498e-02],  
 [4.4096e+00, 2.8719e-03, 3.5235e-01],  
 [3.6075e+00, 4.6276e-03, 3.8100e-01],  
 [5.1008e+01, 1.2682e-01, 2.0297e+00],  
 [2.5068e-03, 1.5993e-09, 4.0892e-04],  
 [6.1399e+01, 4.8184e-01, 3.3620e+00],  
 [1.7300e+00, 2.5709e-04, 1.6241e-01],  
 [1.4711e+02, 4.9449e+00, 3.4089e+00],  
 [4.4269e+01, 8.2114e-02, 1.8514e+00],  
 [1.3716e+02, 7.8521e-01, 3.1071e+00],  
 [1.7251e+01, 4.4138e-02, 8.1249e-01],  
 [4.9416e-01, 1.1213e-04, 6.3127e-02],  
 [7.3720e+01, 7.3291e-01, 2.4352e+00],  
 [4.2456e+01, 2.7063e-01, 1.0829e+00],  
 [1.2232e+02, 1.9763e-01, 3.7281e+00],  
 [7.5812e+00, 1.8971e-02, 5.5453e-01],  
 [4.7298e+00, 2.8119e-03, 3.6383e-01],  
 [6.7437e+01, 1.2979e+00, 2.3939e+00],  
 [1.3452e+01, 1.6609e-02, 6.8897e-01],  
 [3.5595e-02, 6.5320e-07, 5.0185e-03],  
 [5.8280e+01, 6.3161e-01, 1.4919e+00],  
 [6.6789e+01, 2.0262e-01, 2.1143e+00],  
 [3.7551e-01, 4.3530e-05, 4.4859e-02],  
 [3.2518e+00, 7.1851e-03, 2.8080e-01],  
 [3.1877e+00, 5.5986e-03, 3.4564e-01],  
 [8.1422e+01, 5.1005e-02, 2.1809e+00],  
 [8.3434e+00, 1.0273e-02, 3.3363e-01],  
 [1.0499e+02, 4.4753e-01, 2.7918e+00],  
 [1.4488e+00, 1.0777e-03, 1.3446e-01],  
 [1.9299e+01, 2.5466e-02, 6.5874e-01],  
 [2.6325e+01, 1.7798e-01, 9.4350e-01],  
 [2.5337e-01, 4.6245e-06, 2.7210e-02],  
 [9.1707e+00, 3.7901e-03, 5.7585e-01],  
 [7.6189e-01, 1.3081e-04, 8.4487e-02],  
 [1.2390e+02, 1.1128e+00, 3.8806e+00],  
 [1.1685e+00, 6.4229e-04, 1.1786e-01],  
 [6.6873e+00, 8.1581e-03, 7.6510e-01],  
 [1.0362e-01, 5.2177e-06, 1.4190e-02],  
 [1.2201e+00, 3.5695e-05, 9.5456e-02],  
 [6.1543e+00, 7.4299e-03, 4.7976e-01],  
 [1.1949e-02, 1.9809e-08, 1.8521e-03],  
 [1.1500e+01, 4.9982e-02, 7.1919e-01],

[8.0554e+00, 9.9316e-03, 4.7971e-01],  
[1.3925e+01, 3.9909e-02, 7.7489e-01],  
[1.2854e-02, 4.6967e-08, 1.9185e-03],  
[1.6676e+00, 9.9935e-05, 1.2579e-01],  
[1.5085e-01, 1.6132e-05, 1.7029e-02],  
[2.0696e+00, 6.7255e-04, 2.1569e-01],  
[2.1187e-01, 2.7019e-05, 2.3026e-02],  
[4.4264e+00, 1.1092e-02, 4.8167e-01],  
[7.9400e-03, 1.9978e-08, 1.2539e-03],  
[1.5443e+01, 6.7052e-02, 1.1922e+00],  
[3.7618e-03, 7.9316e-09, 6.0362e-04],  
[2.1090e+00, 3.0722e-04, 1.8990e-01],  
[1.0735e+00, 1.7181e-04, 7.3173e-02],  
[7.2256e-01, 3.5502e-05, 8.1751e-02],  
[5.0854e+00, 3.3863e-03, 2.8895e-01],  
[2.4957e+00, 5.1393e-03, 2.7966e-01],  
[5.7342e-01, 8.8820e-05, 4.5623e-02],  
[5.3033e-02, 5.5958e-07, 6.9562e-03],  
[4.0509e+00, 4.7265e-03, 3.6549e-01],  
[8.4250e+01, 3.5868e-01, 1.8805e+00],  
[9.6856e-01, 4.1418e-04, 1.0768e-01],  
[7.0832e+00, 9.8888e-03, 5.0513e-01],  
[2.3598e+01, 1.1110e-02, 5.8111e-01],  
[3.4500e+00, 1.9865e-03, 1.8429e-01],  
[1.7690e+00, 4.1639e-04, 1.9785e-01],  
[4.1803e-01, 4.0037e-05, 3.4859e-02],  
[1.0156e+00, 1.0318e-04, 7.9914e-02],  
[3.3626e+01, 4.2168e-01, 1.6637e+00],  
[1.8850e+01, 7.7063e-02, 7.2601e-01],  
[4.6659e+01, 5.4248e-02, 2.5713e+00],  
[1.8394e+00, 1.0449e-03, 1.2894e-01],  
[1.5048e+01, 1.4722e-02, 1.1421e+00],  
[3.3926e+00, 1.6428e-03, 3.3885e-01],  
[1.7937e+01, 7.6777e-02, 9.2544e-01],  
[1.0892e+01, 1.8670e-02, 4.4985e-01],  
[1.5546e+00, 1.5184e-04, 8.1127e-02],  
[7.9001e+01, 1.7123e-01, 2.0787e+00],  
[1.4096e-02, 7.6452e-08, 2.1375e-03],  
[3.0930e+00, 2.2342e-03, 2.4866e-01],  
[2.3546e+00, 6.1601e-04, 3.0801e-01],  
[1.1449e+02, 2.4044e+00, 3.9888e+00],  
[1.3087e+02, 1.6152e+00, 3.0628e+00],  
[2.1061e+01, 8.2405e-02, 7.0078e-01],  
[6.8917e+00, 3.1354e-02, 5.4126e-01],  
[8.7205e+00, 3.6405e-03, 2.9206e-01],  
[1.5435e+01, 7.6414e-02, 1.1204e+00],  
[2.1351e+02, 5.2780e+00, 3.5963e+00],  
[1.2871e+00, 9.2630e-04, 1.1502e-01],

[2.6531e+00, 1.8680e-03, 1.9951e-01],  
[7.8527e+00, 3.4283e-03, 3.2531e-01],  
[1.7856e+01, 8.3864e-03, 5.6617e-01],  
[6.1951e+01, 3.8223e-01, 3.1982e+00],  
[1.8985e-01, 7.0387e-05, 2.6836e-02],  
[8.7463e+00, 5.5433e-03, 5.6357e-01],  
[1.6650e-01, 9.5090e-06, 1.9512e-02],  
[9.6655e-02, 1.5086e-06, 1.2593e-02],  
[9.1124e+01, 2.1370e+00, 3.5208e+00],  
[3.8202e+01, 8.0070e-02, 8.5743e-01],  
[2.6292e+01, 6.0583e-02, 1.6119e+00],  
[3.7186e+00, 9.3662e-03, 4.3122e-01],  
[5.1990e-01, 3.1149e-05, 5.2070e-02],  
[4.6032e-02, 4.4027e-07, 6.8468e-03],  
[5.2174e+01, 4.1951e-01, 1.2769e+00],  
[1.5742e+00, 3.1942e-04, 1.6812e-01],  
[8.4122e+00, 1.0663e-02, 8.7095e-01],  
[8.5159e+00, 1.6014e-02, 6.0840e-01],  
[1.4273e+01, 1.3578e-02, 7.9314e-01],  
[2.5935e+00, 5.7408e-04, 3.0021e-01],  
[1.0388e-01, 3.0434e-06, 1.3075e-02],  
[6.0821e-02, 2.3872e-06, 9.4147e-03],  
[1.6296e-01, 6.0277e-06, 2.0703e-02],  
[1.1152e+01, 9.5493e-03, 3.8933e-01],  
[7.3266e+01, 3.8514e-01, 2.9383e+00],  
[6.4956e+01, 8.3395e-01, 1.8937e+00],  
[4.4578e+00, 2.0632e-02, 4.6227e-01],  
[8.2436e+00, 6.6031e-03, 3.5535e-01],  
[3.7128e+01, 1.1437e-01, 1.2391e+00],  
[3.4481e+01, 2.2024e-01, 1.7414e+00],  
[2.7895e+01, 3.6790e-01, 1.8327e+00],  
[1.4497e-01, 1.1823e-05, 1.6936e-02],  
[3.2230e-02, 1.7786e-07, 4.7909e-03],  
[2.7579e+02, 1.6480e+00, 4.5755e+00],  
[6.8783e+01, 9.3044e-01, 1.7296e+00],  
[1.0050e+02, 1.2795e+00, 3.5087e+00],  
[4.1431e+01, 1.5236e-01, 1.3127e+00],  
[2.4176e-01, 1.0884e-05, 2.3484e-02],  
[2.4851e+01, 2.0940e-01, 1.2398e+00],  
[8.2929e+01, 1.0739e+00, 1.9591e+00],  
[6.6623e-02, 1.3982e-06, 8.9830e-03],  
[9.8945e-02, 1.3304e-05, 1.4342e-02],  
[2.4940e+01, 3.7970e-02, 6.8749e-01],  
[2.7044e+01, 2.9788e-02, 9.8610e-01],  
[9.5459e+01, 7.1657e-01, 2.9502e+00],  
[4.4463e+00, 3.7147e-03, 2.5052e-01],  
[1.5189e+01, 1.5001e-02, 1.4046e+00],  
[3.8600e+00, 6.2727e-03, 3.6830e-01],

[3.2698e+00, 8.5606e-04, 2.1166e-01],  
[7.1441e-02, 1.6877e-06, 1.0101e-02],  
[1.9627e+02, 2.4892e-01, 4.6548e+00],  
[1.0514e+01, 3.0183e-02, 7.2810e-01],  
[9.4282e+00, 1.8882e-02, 3.9121e-01],  
[5.3810e-02, 3.5194e-07, 7.0948e-03],  
[1.2760e+02, 1.8910e+00, 4.4774e+00],  
[3.9972e+01, 4.9706e-02, 1.3162e+00],  
[5.1570e-01, 1.0212e-04, 5.3108e-02],  
[4.1392e+00, 2.2063e-03, 2.3001e-01],  
[1.7659e+02, 2.8951e+00, 3.5753e+00],  
[8.1065e-02, 1.9416e-06, 1.1364e-02],  
[5.8073e+00, 4.4503e-03, 2.9806e-01],  
[1.8017e+00, 1.0026e-03, 1.6842e-01],  
[2.0010e+01, 1.3762e-01, 7.8756e-01],  
[2.5449e+01, 1.0550e-01, 1.4138e+00],  
[5.6653e-01, 2.2617e-04, 6.4217e-02],  
[1.4323e+01, 1.0754e-02, 7.6041e-01],  
[1.3399e-01, 1.0808e-05, 1.6877e-02],  
[2.3479e-02, 5.3241e-08, 3.4454e-03],  
[5.6529e-01, 1.2397e-04, 5.3031e-02],  
[5.6191e+01, 1.3546e-01, 1.0606e+00],  
[7.3980e+00, 2.8497e-03, 5.1782e-01],  
[2.0334e+02, 1.1006e+01, 4.8565e+00],  
[5.6708e+01, 2.1474e-01, 1.2190e+00],  
[2.1032e-03, 3.3569e-09, 3.3625e-04],  
[6.8892e+01, 5.9643e-01, 3.0400e+00],  
[7.8520e+00, 1.0990e-02, 3.8224e-01],  
[1.0755e+02, 6.3554e-02, 3.4136e+00],  
[5.2920e+01, 6.5609e-01, 1.8391e+00],  
[9.9670e+00, 3.2244e-02, 4.7629e-01],  
[7.5873e+01, 1.0759e-01, 1.8976e+00],  
[6.6352e+00, 2.8784e-02, 5.7638e-01],  
[6.5170e+01, 4.1520e-01, 1.4272e+00],  
[2.8926e-01, 9.4658e-05, 3.5348e-02],  
[8.5730e+01, 1.4248e+00, 2.7944e+00],  
[9.4738e+00, 4.8644e-02, 9.0900e-01],  
[1.2087e+02, 5.0119e+00, 4.2138e+00],  
[1.1923e+00, 1.2161e-05, 6.3243e-02],  
[1.8705e+01, 4.7679e-02, 8.6916e-01],  
[4.8734e+01, 2.8066e-01, 1.0967e+00],  
[2.5496e-01, 3.2582e-05, 3.2480e-02],  
[5.8784e-01, 9.1616e-05, 5.3705e-02],  
[4.9167e+01, 2.5710e-01, 2.1281e+00],  
[2.4043e+01, 5.3107e-02, 6.4636e-01],  
[3.1723e+01, 1.6733e-02, 1.9560e+00],  
[1.2330e+02, 1.1497e+00, 2.3609e+00],  
[2.1595e+02, 5.5054e+00, 3.4237e+00],

```

[7.3383e+01, 8.1586e-01, 1.8111e+00],
[7.7510e+01, 2.2793e-01, 2.9522e+00],
[1.9567e+00, 1.2834e-03, 1.3719e-01],
[2.5694e-01, 5.3947e-06, 3.1148e-02],
[1.0828e+00, 1.8035e-05, 7.9004e-02],
[1.4439e+01, 2.7583e-03, 6.3108e-01],
[2.3072e+01, 1.3985e-02, 7.9947e-01],
[1.3734e+00, 1.3575e-03, 1.5529e-01],
[9.5745e+01, 3.0771e-01, 3.4219e+00],
[2.0721e+01, 8.2709e-02, 8.6202e-01],
[7.6225e-02, 3.5845e-06, 9.6637e-03],
[1.1631e+01, 2.5514e-02, 7.6574e-01],
[1.4227e+00, 6.6478e-04, 1.1672e-01],
[6.5198e-02, 1.7169e-06, 9.9975e-03],
[1.5557e+01, 7.0833e-02, 1.0222e+00],
[3.0743e-01, 2.1721e-06, 2.8192e-02],
[4.5357e-01, 9.2978e-05, 4.3548e-02],
[2.5213e+00, 1.0933e-03, 1.9187e-01],
[1.1199e+02, 1.3855e+00, 3.0248e+00],
[9.2425e-01, 2.5576e-04, 1.1183e-01],
[8.6882e+01, 1.4233e-01, 3.8609e+00],
[1.1851e-01, 7.1711e-07, 1.4826e-02],
[1.2255e+02, 1.7617e+00, 2.3194e+00],
[1.0784e+02, 1.6711e+00, 2.5356e+00],
[3.6525e+01, 1.4102e-01, 1.3864e+00],
[9.3955e-02, 8.9770e-06, 1.2238e-02],
[6.1561e+01, 4.2311e-01, 1.3013e+00],
[9.9307e-01, 1.7482e-04, 1.2924e-01],
[3.7189e+02, 1.6312e+01, 5.1810e+00],
[3.5300e+01, 4.4162e-01, 1.8198e+00],
[1.4142e+01, 1.0272e-01, 1.4580e+00],
[2.9434e+01, 1.7918e-01, 9.3105e-01],
[7.2384e+01, 2.0911e-01, 3.0098e+00],
[1.3808e-01, 1.1137e-06, 1.7590e-02],
[4.0346e+01, 2.1986e-01, 1.4256e+00],
[1.5467e+00, 7.8189e-04, 1.0754e-01]], dtype=torch.float64)
Iteration: 269
Inputs: tensor([[2.0943e+18, 4.3848e+02, 6.4899e-01, 7.1357e+00],
[6.2853e+19, 3.7623e+02, 1.8281e+01, 8.3543e+00],
[1.0039e+20, 1.4916e+02, 5.7338e+00, 8.6275e+00],
...,
[2.6636e+19, 1.3747e+02, 4.8950e+00, 3.1818e+00],
[1.5394e+18, 8.5607e+01, 9.3547e+00, 8.5748e+00],
[2.3199e+20, 2.2884e+01, 1.3392e+01, 4.1465e+00]], dtype=torch.float64)
Target: tensor([[1.5596e+00, 1.6492e-04, 7.8811e-02],
[2.7904e+01, 2.6156e-01, 1.0082e+00],
[3.1086e+01, 1.9342e-01, 1.2694e+00],
[1.8742e+01, 5.1913e-02, 9.6119e-01],

```

[5.0920e-03, 4.1153e-09, 7.9956e-04],  
 [1.3297e+02, 1.6281e+00, 3.3417e+00],  
 [1.5602e+00, 5.2685e-04, 9.4621e-02],  
 [2.6744e-01, 3.4671e-06, 2.9728e-02],  
 [2.9648e-02, 3.8607e-07, 4.2702e-03],  
 [8.1079e+01, 1.3983e+00, 2.5182e+00],  
 [2.0193e+01, 1.0348e-01, 1.4432e+00],  
 [5.2934e+00, 2.6859e-02, 4.6363e-01],  
 [2.7802e+01, 5.3424e-01, 2.3374e+00],  
 [1.6642e+02, 2.4039e+00, 3.4695e+00],  
 [2.3826e+00, 2.1819e-03, 2.5935e-01],  
 [2.2059e-01, 8.3179e-06, 2.9646e-02],  
 [1.2648e+01, 1.2149e-01, 1.3359e+00],  
 [1.8249e+01, 6.6493e-02, 1.0633e+00],  
 [1.0524e+00, 1.7412e-04, 1.1866e-01],  
 [2.6177e+02, 5.4487e+00, 4.8403e+00],  
 [4.2129e+00, 3.6217e-03, 3.2618e-01],  
 [5.2571e+01, 7.1913e-01, 1.7766e+00],  
 [2.9106e+01, 1.4991e-01, 1.0193e+00],  
 [4.5091e-01, 3.3549e-05, 4.2292e-02],  
 [2.8700e+02, 1.5500e+00, 4.7866e+00],  
 [5.7528e-01, 1.3491e-04, 4.6719e-02],  
 [5.9277e+01, 7.3860e-01, 1.9599e+00],  
 [8.1058e+01, 2.0571e+00, 2.1488e+00],  
 [4.6664e-02, 1.8997e-06, 6.5158e-03],  
 [5.2168e-01, 8.2597e-05, 5.9118e-02],  
 [1.3054e-02, 2.1033e-08, 1.9574e-03],  
 [7.2263e+01, 5.8355e-01, 2.5957e+00],  
 [5.6418e+01, 3.2602e-01, 3.3797e+00],  
 [2.0634e-01, 9.9124e-06, 2.6072e-02],  
 [1.8483e+01, 2.2202e-02, 1.1419e+00],  
 [2.3601e+00, 1.4004e-03, 2.1331e-01],  
 [4.2029e+01, 3.8070e-01, 1.2944e+00],  
 [3.1793e+00, 1.0847e-02, 3.6068e-01],  
 [7.7778e+01, 8.4740e-01, 2.0364e+00],  
 [2.7069e+00, 4.2543e-04, 2.6026e-01],  
 [2.4219e+00, 4.2938e-04, 2.2066e-01],  
 [2.7194e+01, 1.9482e-01, 7.9992e-01],  
 [5.0801e+01, 6.5183e-02, 2.6671e+00],  
 [3.4210e+01, 1.5621e-02, 1.2999e+00],  
 [5.1338e-01, 1.2451e-05, 4.2736e-02],  
 [7.3954e+01, 1.2541e+00, 2.0937e+00],  
 [1.7443e-01, 1.3531e-05, 1.9695e-02],  
 [3.8288e-01, 5.1474e-05, 4.5626e-02],  
 [3.4966e+01, 9.7539e-02, 8.0352e-01],  
 [1.4831e+00, 2.1437e-04, 1.4697e-01],  
 [5.7461e+01, 1.0793e-01, 1.8443e+00],  
 [7.0249e-01, 2.7511e-04, 9.2293e-02],

[2.0882e+01, 8.2854e-02, 1.1934e+00],  
[2.3768e+02, 1.6792e+00, 4.1032e+00],  
[6.7636e+01, 6.4719e-01, 1.7279e+00],  
[1.4102e+02, 3.9871e+00, 3.6152e+00],  
[2.5391e-01, 2.8797e-06, 2.5814e-02],  
[3.1985e+00, 5.4612e-03, 2.4365e-01],  
[5.2946e-01, 1.5367e-04, 5.7446e-02],  
[3.3145e+00, 1.0858e-03, 2.3875e-01],  
[4.0532e-01, 9.3312e-05, 5.6806e-02],  
[3.7643e+00, 8.2011e-04, 3.2526e-01],  
[7.6706e-01, 2.7758e-04, 6.6548e-02],  
[1.2452e+02, 2.0101e+00, 4.0786e+00],  
[1.4755e+01, 3.6649e-02, 6.1920e-01],  
[1.7150e+01, 1.5181e-02, 6.2274e-01],  
[1.5640e+00, 4.7921e-04, 1.3153e-01],  
[4.5779e+01, 1.2146e+00, 3.1042e+00],  
[1.7219e+00, 2.2308e-05, 1.1133e-01],  
[7.6340e-01, 1.4096e-04, 6.7112e-02],  
[7.1800e+01, 4.9330e-01, 1.5000e+00],  
[7.6886e+00, 5.6812e-04, 4.5872e-01],  
[1.3168e+02, 1.1257e+00, 3.6285e+00],  
[1.2048e+00, 1.9253e-04, 1.3517e-01],  
[6.2978e+01, 8.1168e-01, 1.8733e+00],  
[4.0075e-01, 3.1915e-05, 3.0687e-02],  
[1.5094e-01, 1.7182e-05, 1.7365e-02],  
[3.2824e-01, 3.2849e-05, 3.3355e-02],  
[2.1162e+01, 2.2195e-02, 8.9098e-01],  
[9.3347e+01, 4.0193e-01, 4.1632e+00],  
[1.3323e+01, 4.5887e-02, 7.8990e-01],  
[5.7858e+00, 5.4418e-03, 2.4580e-01],  
[3.9210e+01, 2.4712e-01, 1.5018e+00],  
[1.4364e+01, 2.6078e-02, 1.3479e+00],  
[3.9236e+01, 1.3757e-01, 1.2629e+00],  
[3.4054e+00, 2.1682e-04, 2.1072e-01],  
[1.1338e+01, 3.0732e-03, 3.6050e-01],  
[7.8606e-02, 1.8954e-06, 1.1611e-02],  
[2.6575e+00, 1.4623e-03, 1.5165e-01],  
[1.0375e+01, 7.3024e-03, 6.4578e-01],  
[1.4961e+02, 1.3898e+00, 3.6250e+00],  
[1.4555e+02, 6.3038e+00, 3.3032e+00],  
[2.2546e+01, 3.8538e-02, 1.1655e+00],  
[2.3284e-01, 1.9456e-05, 3.2313e-02],  
[4.5853e-03, 1.7776e-08, 7.3578e-04],  
[7.7046e+00, 6.0482e-03, 7.7993e-01],  
[4.2667e-01, 7.0904e-05, 4.9470e-02],  
[2.5405e+01, 4.8694e-02, 7.4430e-01],  
[4.1045e+01, 3.2354e-01, 1.3143e+00],  
[1.1007e+00, 1.9734e-04, 9.4070e-02],



[9.8093e+01, 4.4820e-01, 3.7315e+00],  
 [5.7420e+01, 4.9387e-01, 1.5706e+00],  
 [3.7760e+01, 4.5421e-02, 1.0354e+00],  
 [9.4893e+00, 2.7256e-02, 4.5468e-01],  
 [2.2969e+01, 3.4007e-01, 1.7049e+00],  
 [7.3136e+00, 5.2987e-03, 3.4426e-01],  
 [1.0990e+02, 1.2346e+00, 3.1242e+00],  
 [8.5991e-03, 1.1128e-08, 1.3561e-03],  
 [3.6279e-01, 3.8600e-05, 3.8602e-02],  
 [1.0089e-02, 1.1212e-07, 1.5783e-03],  
 [3.2491e+00, 2.7787e-03, 2.1622e-01],  
 [5.4133e+00, 3.3030e-03, 3.0429e-01],  
 [1.8382e+00, 8.0137e-04, 1.3499e-01],  
 [8.6922e+00, 1.8728e-02, 4.8401e-01],  
 [2.3487e-01, 4.1149e-05, 2.7575e-02],  
 [1.3425e-01, 7.5017e-06, 1.4432e-02],  
 [2.9999e+01, 8.1527e-02, 1.0961e+00],  
 [8.9103e+00, 1.4346e-02, 3.6260e-01],  
 [2.0251e+00, 1.4498e-04, 1.8696e-01],  
 [5.6011e+01, 2.2231e-01, 1.4511e+00],  
 [1.3398e+01, 1.1872e-01, 1.3000e+00],  
 [4.7565e+00, 7.6696e-03, 3.7075e-01],  
 [9.6002e+00, 1.4521e-02, 5.1814e-01],  
 [3.1254e+01, 1.0220e-01, 9.5334e-01],  
 [1.1565e+00, 4.3889e-05, 9.1224e-02],  
 [8.5392e+01, 1.2343e+00, 2.1708e+00],  
 [6.1323e+01, 7.2810e-01, 1.9076e+00],  
 [7.4447e+01, 1.9503e+00, 2.8786e+00],  
 [5.6811e+00, 1.3519e-02, 6.9574e-01],  
 [2.5018e+01, 8.7627e-02, 7.7707e-01],  
 [4.4023e+00, 6.6880e-03, 3.0451e-01],  
 [4.3846e+00, 1.7118e-03, 2.1876e-01],  
 [1.7275e-01, 2.2958e-05, 2.3965e-02],  
 [4.5942e+00, 1.9596e-03, 3.0372e-01],  
 [4.1620e+00, 2.3276e-02, 4.6503e-01],  
 [1.7386e+01, 1.1602e-01, 9.8662e-01],  
 [9.7910e+01, 2.1264e+00, 2.6241e+00],  
 [3.3922e+01, 1.8590e-01, 1.1659e+00],  
 [1.4096e+01, 3.6014e-02, 7.0663e-01],  
 [9.4711e+00, 4.0630e-03, 6.9142e-01],  
 [1.9358e+00, 9.2933e-05, 1.4115e-01],  
 [8.4736e+01, 4.1137e-01, 1.9318e+00],  
 [3.3038e-01, 3.3956e-05, 4.1566e-02],  
 [4.8872e-01, 2.5734e-05, 5.9849e-02],  
 [6.9492e-01, 1.1274e-04, 6.6118e-02],  
 [1.1067e+00, 1.7536e-04, 8.0190e-02],  
 [8.4131e+01, 5.1217e-02, 2.0912e+00],  
 [1.3318e+00, 7.0784e-04, 1.5511e-01],

[1.9627e+01, 1.2436e-01, 7.1707e-01],  
[4.6889e+01, 1.6994e-01, 2.4309e+00],  
[1.1122e+02, 2.4730e+00, 2.5720e+00],  
[7.6855e-01, 7.3245e-05, 7.0125e-02],  
[6.3928e+01, 2.0748e-02, 1.5308e+00],  
[5.1660e-01, 1.7420e-04, 6.0731e-02],  
[4.1027e-02, 1.4399e-06, 6.0829e-03],  
[1.0428e+01, 7.1586e-03, 8.1509e-01],  
[7.3517e-02, 9.7296e-07, 1.1059e-02],  
[2.4225e+01, 1.0017e-01, 1.0413e+00],  
[2.3126e+01, 1.3739e-01, 2.0662e+00],  
[1.3002e+00, 2.7734e-04, 1.2053e-01],  
[3.5004e+00, 4.6485e-04, 2.4868e-01],  
[2.5917e+01, 1.3732e-01, 1.6068e+00],  
[9.6706e-03, 1.4140e-07, 1.4470e-03],  
[4.3465e+00, 5.9977e-03, 2.8019e-01],  
[1.1160e+02, 7.5743e-01, 2.7275e+00],  
[7.1027e-01, 4.1754e-04, 7.6598e-02],  
[1.6813e+00, 5.3926e-04, 1.2581e-01],  
[9.6339e+01, 6.7157e-01, 4.1589e+00],  
[7.1682e-02, 1.3088e-06, 1.0349e-02],  
[2.0697e+00, 8.3716e-04, 1.2332e-01],  
[1.2836e+02, 1.6988e+00, 2.9466e+00],  
[1.5251e-01, 2.9428e-05, 2.2148e-02],  
[8.2804e+01, 7.6903e-01, 2.4569e+00],  
[1.1883e+01, 4.8263e-03, 3.5428e-01],  
[1.0352e+01, 2.8542e-02, 6.6484e-01],  
[3.0133e-01, 6.0625e-05, 3.1594e-02],  
[3.2124e-01, 1.1142e-04, 4.3119e-02],  
[1.0193e+01, 1.5189e-02, 9.9838e-01],  
[6.2585e-01, 1.6732e-04, 5.7316e-02],  
[1.6958e+02, 1.9904e+00, 3.0689e+00],  
[1.3514e+01, 1.3763e-02, 7.8734e-01],  
[5.8617e+01, 4.8274e-01, 2.7294e+00],  
[1.0476e+00, 1.2625e-04, 1.2018e-01],  
[2.7130e+01, 3.4512e-02, 7.0992e-01],  
[3.7701e-03, 2.6650e-08, 5.8737e-04],  
[3.2198e-02, 2.3108e-07, 4.8913e-03],  
[1.6062e+01, 2.7358e-02, 1.2404e+00],  
[6.2294e+00, 7.5291e-03, 5.0068e-01],  
[1.0740e+01, 1.0321e-02, 4.7391e-01],  
[9.2491e+01, 1.0400e+00, 1.7059e+00],  
[6.5182e+01, 1.9570e-02, 1.4311e+00],  
[4.0651e+01, 4.9943e-02, 1.4936e+00],  
[1.5757e+01, 9.0877e-02, 7.3202e-01],  
[6.9768e+01, 3.5514e-01, 2.1370e+00],  
[9.2748e+01, 1.9818e+00, 2.0471e+00],  
[8.6518e-01, 1.5677e-04, 7.4195e-02],

[2.7257e+00, 4.6646e-04, 1.4707e-01],  
 [3.1907e-01, 1.0148e-05, 2.6725e-02],  
 [4.9894e+01, 5.4427e-01, 2.0413e+00],  
 [1.0276e+01, 1.7576e-02, 7.3417e-01],  
 [6.0849e-01, 2.2025e-05, 4.9633e-02],  
 [1.2025e+02, 3.5658e+00, 3.5675e+00],  
 [3.3475e-02, 2.3131e-07, 4.9652e-03],  
 [4.9604e-02, 3.1555e-07, 6.9519e-03],  
 [1.8465e+02, 2.8349e+00, 3.5604e+00],  
 [1.2368e+01, 6.5542e-02, 7.9327e-01],  
 [1.5621e+01, 1.0440e-01, 9.8305e-01],  
 [6.4714e+01, 4.2954e-01, 1.8068e+00],  
 [7.9909e+01, 7.7552e-01, 3.7740e+00],  
 [6.4368e-02, 4.7138e-06, 8.1583e-03],  
 [5.8927e+01, 4.9400e-01, 1.9831e+00],  
 [2.9051e+01, 3.4822e-01, 1.5242e+00],  
 [4.9002e+01, 6.5776e-01, 2.8789e+00],  
 [5.3929e-02, 1.0248e-06, 8.4912e-03],  
 [2.5179e+01, 4.6899e-02, 1.0933e+00],  
 [3.5373e-01, 2.6895e-05, 3.2555e-02],  
 [3.7349e+00, 2.4837e-03, 2.5567e-01],  
 [1.2028e+00, 8.2492e-04, 1.2378e-01],  
 [2.4870e+01, 8.5897e-02, 1.9368e+00],  
 [9.4957e+01, 1.0204e+00, 3.0649e+00],  
 [2.6454e+01, 1.4702e-01, 1.2401e+00],  
 [9.6716e-02, 1.2773e-05, 1.4478e-02],  
 [1.1310e+01, 4.0027e-02, 5.4839e-01],  
 [4.1765e+01, 1.0708e-01, 1.0176e+00],  
 [1.6532e+01, 6.8169e-03, 1.0940e+00],  
 [4.5039e+01, 2.8261e-01, 1.7368e+00],  
 [7.8014e+01, 5.9301e-01, 1.3805e+00],  
 [5.3344e-01, 2.8475e-05, 4.9661e-02],  
 [1.9844e+00, 1.0068e-04, 1.7017e-01],  
 [2.9022e+00, 6.0239e-04, 3.5146e-01],  
 [1.6450e+01, 4.8005e-02, 6.2346e-01],  
 [2.0579e+00, 1.0019e-03, 1.2659e-01],  
 [3.1347e+00, 2.1523e-03, 1.6349e-01],  
 [1.6655e+02, 1.9439e+00, 3.0707e+00],  
 [7.1974e-01, 1.3118e-04, 6.0378e-02],  
 [1.2147e+01, 2.1523e-02, 8.0988e-01],  
 [5.6873e+01, 5.8528e-01, 1.8675e+00],  
 [4.5193e-01, 6.2948e-05, 4.9063e-02],  
 [1.5909e+02, 3.8787e+00, 3.7439e+00],  
 [4.2589e+00, 6.5611e-04, 3.1874e-01],  
 [3.9485e+01, 3.2287e-01, 1.8951e+00],  
 [1.3200e-01, 1.6758e-07, 1.4655e-02],  
 [5.3295e+00, 1.3955e-02, 5.7712e-01],  
 [1.9402e+00, 1.2474e-04, 1.1873e-01],

[3.7513e+01, 1.0223e-01, 1.7041e+00],  
 [2.2830e+00, 3.8660e-04, 2.3629e-01],  
 [9.3838e+00, 1.5962e-02, 4.5662e-01],  
 [4.2746e+01, 5.1995e-01, 1.4591e+00],  
 [2.2447e+02, 3.9561e+00, 3.8930e+00],  
 [6.1329e-01, 4.3507e-06, 4.5247e-02],  
 [1.8535e-02, 2.8026e-07, 2.7230e-03],  
 [2.7137e-01, 1.2563e-05, 3.1072e-02],  
 [2.4882e-01, 3.2222e-05, 2.9347e-02],  
 [9.1908e-02, 3.5834e-06, 1.2546e-02],  
 [3.9071e+01, 3.3018e-01, 1.1642e+00],  
 [4.5816e+01, 3.3644e-01, 1.6785e+00],  
 [3.5746e+01, 7.8279e-02, 1.4088e+00],  
 [1.1360e+02, 2.4212e+00, 3.8527e+00],  
 [4.6928e+01, 8.7333e-01, 2.3003e+00],  
 [3.0001e+01, 2.9443e-01, 1.4039e+00],  
 [1.0628e-01, 1.3193e-06, 1.4535e-02],  
 [3.1028e-01, 1.2968e-05, 4.0088e-02],  
 [1.4978e-01, 1.8710e-05, 1.8429e-02],  
 [4.6392e-01, 7.9469e-05, 6.0089e-02],  
 [4.4552e-01, 4.3994e-05, 3.7592e-02],  
 [1.4529e+02, 1.4119e+00, 3.3815e+00],  
 [7.4238e+01, 1.4900e+00, 3.4403e+00],  
 [3.3101e+01, 1.7725e-01, 1.5777e+00],  
 [4.8849e-01, 1.1664e-04, 4.1392e-02],  
 [2.1091e+01, 9.8438e-02, 1.0855e+00],  
 [3.3672e+00, 3.7438e-03, 2.4314e-01],  
 [3.9501e+01, 3.2800e-01, 2.0612e+00],  
 [8.9761e+01, 2.8594e-01, 3.7752e+00],  
 [5.4514e+01, 1.0994e-01, 2.0916e+00],  
 [2.2847e+01, 4.4921e-02, 1.6431e+00],  
 [6.8368e-03, 4.2744e-08, 1.0863e-03],  
 [1.8248e+01, 5.1255e-02, 1.3221e+00],  
 [2.9021e+02, 4.8251e+00, 5.0026e+00],  
 [1.0340e+02, 1.4729e+00, 3.7541e+00],  
 [8.7626e+00, 4.2963e-02, 8.7038e-01],  
 [2.5335e+00, 7.9637e-03, 2.9769e-01],  
 [3.9845e+00, 2.8687e-03, 4.5386e-01],  
 [2.6665e+00, 6.8853e-04, 2.2928e-01],  
 [9.1014e+01, 1.1195e+00, 3.2955e+00],  
 [7.2355e+00, 1.1366e-02, 3.8956e-01],  
 [2.7679e+01, 8.0618e-02, 1.4908e+00],  
 [6.2750e+01, 1.5573e+00, 2.7784e+00],  
 [1.8279e-01, 3.4761e-06, 1.8122e-02],  
 [5.1951e-02, 1.8241e-06, 7.6702e-03],  
 [1.6927e-01, 2.3000e-05, 2.1004e-02],  
 [4.8711e-02, 3.7916e-07, 6.9648e-03],  
 [3.6075e+00, 2.2485e-03, 2.0444e-01],

```

[1.9485e+02, 4.5916e+00, 3.8302e+00],
[8.5319e+00, 2.5605e-02, 9.1177e-01],
[8.5625e+01, 2.6262e+00, 2.6663e+00],
[3.3372e+00, 1.2336e-03, 2.3677e-01],
[4.6524e-01, 2.6414e-05, 5.7017e-02],
[2.8300e+01, 1.3301e-02, 1.0131e+00],
[6.7805e+01, 4.5932e-02, 1.6383e+00],
[9.3933e-01, 7.2905e-05, 7.2539e-02],
[2.0243e+01, 7.4092e-02, 1.4479e+00],
[2.5224e-01, 1.1972e-05, 2.6452e-02],
[2.5815e-01, 3.1506e-05, 2.8334e-02],
[6.6812e+01, 6.8812e-01, 1.6017e+00],
[6.3436e-01, 1.4055e-04, 8.0307e-02],
[3.0586e+00, 2.2612e-03, 4.1588e-01],
[1.2681e+00, 1.2165e-03, 1.1938e-01],
[4.9429e+00, 1.8410e-03, 5.1438e-01],
[3.8645e+00, 1.0913e-03, 1.9808e-01],
[7.5629e+00, 9.9179e-03, 4.6901e-01],
[3.7701e-01, 6.3613e-05, 3.6407e-02],
[2.9289e-01, 4.4704e-05, 3.4019e-02],
[9.6645e+01, 1.3735e+00, 2.9736e+00],
[1.0212e+02, 2.0560e+00, 3.9386e+00],
[3.2063e+00, 1.3867e-03, 2.7189e-01],
[7.9264e-01, 1.0981e-04, 8.9388e-02],
[4.0718e+01, 2.7490e-01, 2.3233e+00],
[4.5892e+00, 1.4216e-03, 3.5369e-01],
[2.9997e-02, 7.8661e-07, 4.2522e-03],
[1.1733e+00, 8.1408e-04, 1.6254e-01]], dtype=torch.float64)
Iteration: 270
Inputs: tensor([[7.3475e+18, 8.7864e+01, 4.7225e+00, 2.6585e+00],
[2.1109e+20, 5.2005e+01, 5.6580e+00, 5.2859e+00],
[3.1872e+19, 3.7661e+02, 2.8510e+00, 2.6258e+00],
...,
[4.8771e+20, 3.0140e+02, 6.2611e+00, 1.0245e+00],
[4.5399e+20, 1.9746e+02, 4.2687e+00, 7.2890e+00],
[1.3502e+18, 2.4658e+02, 1.2768e+01, 6.6518e+00]], dtype=torch.float64)
Target: tensor([[2.6409e-01, 6.7207e-06, 3.3871e-02],
[1.4169e+01, 3.5721e-02, 1.1322e+00],
[1.9446e+01, 7.0205e-03, 6.7526e-01],
[1.2772e+00, 2.6036e-05, 1.0772e-01],
[3.8720e-01, 3.6145e-05, 5.6422e-02],
[3.8884e+01, 3.2355e-01, 1.5720e+00],
[9.4969e+00, 3.2342e-02, 7.8481e-01],
[1.8206e+02, 4.0565e+00, 4.4721e+00],
[2.0846e-02, 4.7338e-08, 3.0921e-03],
[8.6024e-02, 2.7190e-06, 1.2199e-02],
[4.9357e+01, 4.3312e-01, 1.8866e+00],
[5.1235e+01, 7.4718e-01, 1.7441e+00],

```

[6.4178e+00, 5.2209e-03, 3.9827e-01],  
[3.8196e-01, 9.2819e-05, 3.7729e-02],  
[8.8560e+01, 7.9213e-01, 3.7085e+00],  
[1.1414e+02, 1.2547e+00, 4.2725e+00],  
[7.0101e+01, 4.6767e-01, 1.2405e+00],  
[1.2264e-01, 1.1626e-05, 1.5278e-02],  
[2.6903e+01, 1.1283e-01, 1.6279e+00],  
[3.4470e+00, 2.0196e-03, 2.1073e-01],  
[5.2668e+01, 3.8845e-01, 1.7112e+00],  
[4.3537e+01, 2.2844e-01, 1.2087e+00],  
[3.2445e+00, 1.9756e-03, 2.2876e-01],  
[6.2815e+00, 2.0694e-03, 2.5228e-01],  
[9.4055e+00, 8.3585e-03, 3.8632e-01],  
[3.6579e+01, 3.5946e-01, 1.0452e+00],  
[2.6453e-01, 2.8186e-05, 2.5650e-02],  
[2.0386e+01, 2.0366e-02, 1.6098e+00],  
[4.0703e-01, 3.0914e-05, 3.2785e-02],  
[4.4786e+00, 1.2069e-02, 4.2448e-01],  
[4.5579e+00, 3.7496e-03, 3.9191e-01],  
[1.7814e-01, 3.6510e-05, 2.5354e-02],  
[6.8743e+01, 5.5706e-02, 3.0341e+00],  
[5.3845e+01, 6.1573e-01, 1.8964e+00],  
[5.2400e+00, 8.5259e-03, 2.7881e-01],  
[9.0340e-02, 6.6768e-06, 1.1856e-02],  
[3.3042e+00, 4.1199e-04, 2.7761e-01],  
[5.6125e+01, 1.3394e-01, 1.5076e+00],  
[9.4777e+00, 1.7818e-02, 3.6991e-01],  
[1.9921e+01, 7.3916e-02, 8.3313e-01],  
[5.3942e+00, 6.3426e-03, 4.8031e-01],  
[2.2758e+00, 8.9025e-04, 1.4128e-01],  
[3.7587e+01, 3.0672e-02, 9.4805e-01],  
[5.2544e-01, 4.4328e-05, 5.8612e-02],  
[3.6055e-03, 2.4813e-09, 5.7246e-04],  
[4.6393e+01, 9.1344e-02, 1.6642e+00],  
[2.0085e-01, 6.2275e-05, 2.8483e-02],  
[1.8020e+01, 3.5568e-02, 6.3251e-01],  
[1.2181e+00, 1.0695e-03, 1.1539e-01],  
[3.0064e-01, 2.8709e-05, 4.5292e-02],  
[8.5135e+00, 1.6151e-02, 5.0924e-01],  
[9.6683e-01, 8.8058e-05, 5.4929e-02],  
[6.4554e-03, 3.4283e-08, 1.0168e-03],  
[3.3944e+01, 2.1391e-01, 1.5241e+00],  
[1.9195e-01, 2.5577e-05, 2.4091e-02],  
[2.5376e+01, 1.5983e-01, 8.4245e-01],  
[1.7211e+01, 1.3154e-02, 1.2726e+00],  
[4.9806e+01, 6.6938e-02, 2.7015e+00],  
[5.8249e-02, 6.0945e-07, 8.4588e-03],  
[1.2310e+00, 1.3469e-04, 1.7221e-01],

[4.3645e-02, 1.4431e-06, 6.5545e-03],  
[3.9341e+01, 2.7743e-01, 1.1484e+00],  
[3.1649e+00, 2.5225e-03, 2.7708e-01],  
[6.7686e+00, 2.4132e-02, 5.2755e-01],  
[3.9433e+01, 6.1388e-01, 2.1726e+00],  
[1.5984e+01, 5.0261e-02, 1.0916e+00],  
[1.3222e-03, 1.0951e-09, 2.1324e-04],  
[3.1194e+01, 1.4609e-01, 1.2681e+00],  
[1.0483e+02, 8.4969e-01, 2.3282e+00],  
[1.3164e+01, 7.6692e-02, 7.7722e-01],  
[7.0379e+01, 8.2982e-01, 2.8206e+00],  
[3.2639e+01, 6.8493e-02, 8.2309e-01],  
[6.9633e+00, 1.3597e-02, 3.5099e-01],  
[2.1892e+00, 2.0094e-03, 1.5645e-01],  
[8.8496e-01, 2.3287e-04, 9.7767e-02],  
[6.7310e+01, 2.9082e-01, 2.8472e+00],  
[4.1759e+00, 2.8884e-03, 2.2940e-01],  
[1.3751e-01, 1.0825e-05, 1.9714e-02],  
[1.7511e+02, 4.2745e-01, 3.1234e+00],  
[6.5646e-01, 3.0312e-05, 6.6539e-02],  
[6.8540e-01, 8.8638e-05, 6.7459e-02],  
[1.2486e+01, 7.0959e-02, 9.8109e-01],  
[1.6982e+02, 1.0749e+00, 3.8285e+00],  
[6.6755e-01, 4.2827e-06, 6.0511e-02],  
[1.2242e+00, 3.2749e-04, 7.6711e-02],  
[4.5408e+01, 3.8035e-01, 1.5054e+00],  
[1.2630e-01, 2.6844e-05, 1.8484e-02],  
[5.1102e-01, 6.4473e-06, 5.5142e-02],  
[2.2818e+00, 6.9390e-04, 1.2894e-01],  
[9.5202e-01, 1.1684e-04, 1.1299e-01],  
[1.9225e+01, 4.4108e-02, 1.6001e+00],  
[1.5264e+01, 3.1465e-02, 4.6793e-01],  
[5.3176e-01, 1.9154e-04, 6.3416e-02],  
[6.6802e-01, 3.1455e-05, 7.7170e-02],  
[4.0057e+01, 8.6242e-02, 1.2939e+00],  
[1.5298e+01, 4.3581e-02, 6.2763e-01],  
[2.1678e+01, 2.5287e-01, 1.9010e+00],  
[3.5550e-04, 2.0828e-11, 5.8335e-05],  
[7.7421e-04, 5.0632e-10, 1.2531e-04],  
[4.1419e+01, 3.7713e-01, 1.2124e+00],  
[6.9848e-03, 8.3244e-08, 1.0614e-03],  
[3.0700e+01, 1.9198e-01, 1.0531e+00],  
[7.2649e-02, 2.3741e-06, 9.7896e-03],  
[4.0294e+00, 7.6047e-04, 2.1262e-01],  
[3.6766e-01, 1.5282e-05, 3.9964e-02],  
[3.3871e+01, 9.8842e-02, 1.1463e+00],  
[1.7813e+01, 9.1288e-02, 6.3837e-01],  
[1.4343e+01, 7.6188e-03, 9.2411e-01],

[6.7524e-02, 9.8906e-07, 9.0544e-03],  
 [4.5490e-01, 2.0544e-05, 5.1249e-02],  
 [1.1809e+00, 1.4756e-04, 1.2282e-01],  
 [1.3729e+01, 9.5783e-02, 1.2218e+00],  
 [3.8036e+00, 1.6569e-03, 3.7017e-01],  
 [9.6567e+01, 1.2944e+00, 2.1714e+00],  
 [9.5077e+01, 1.4220e+00, 3.5557e+00],  
 [8.1928e+00, 3.8666e-03, 4.3973e-01],  
 [2.9530e+00, 2.8276e-03, 1.7975e-01],  
 [5.1912e+00, 2.6467e-03, 4.0259e-01],  
 [9.0524e-02, 5.5539e-07, 1.0590e-02],  
 [3.4530e+01, 8.7740e-02, 2.2472e+00],  
 [6.2943e-01, 2.1367e-05, 3.9509e-02],  
 [1.3371e+02, 5.2789e+00, 4.3497e+00],  
 [1.0450e+01, 4.8921e-02, 6.2707e-01],  
 [1.7942e+00, 2.4478e-04, 1.5663e-01],  
 [1.5757e+01, 3.2498e-02, 1.5873e+00],  
 [5.2564e-02, 2.3453e-06, 6.8268e-03],  
 [1.3419e-01, 7.9122e-07, 1.6829e-02],  
 [2.2670e+00, 5.3590e-04, 1.8743e-01],  
 [1.7593e+02, 3.5447e+00, 3.9271e+00],  
 [1.4113e+01, 5.2735e-02, 7.1275e-01],  
 [1.7750e+01, 5.9485e-02, 9.5059e-01],  
 [6.6677e-01, 3.1784e-04, 8.6042e-02],  
 [2.0541e-01, 1.9744e-05, 2.3200e-02],  
 [1.6660e+01, 8.5751e-02, 7.5125e-01],  
 [7.6995e-02, 3.2767e-06, 1.0616e-02],  
 [2.2301e+02, 1.1014e+01, 5.0328e+00],  
 [1.0106e+02, 1.3688e+00, 3.1729e+00],  
 [2.4384e-01, 2.5154e-05, 2.4316e-02],  
 [9.8679e+01, 9.4167e-02, 3.8849e+00],  
 [1.8392e+00, 8.2456e-04, 1.4068e-01],  
 [2.3087e+01, 1.5908e-01, 1.4477e+00],  
 [3.3544e+00, 3.5782e-03, 2.2659e-01],  
 [1.8916e+00, 8.6378e-04, 1.2543e-01],  
 [1.7870e+02, 6.5534e+00, 3.9506e+00],  
 [1.5344e+00, 3.3041e-04, 1.0950e-01],  
 [9.2386e-02, 1.0638e-06, 1.2360e-02],  
 [6.3094e+01, 1.5333e-01, 3.5849e+00],  
 [4.4782e+01, 4.0138e-01, 1.6936e+00],  
 [2.4116e+01, 5.7128e-02, 8.1393e-01],  
 [3.1973e+01, 1.5893e-01, 1.0946e+00],  
 [1.4045e+00, 1.9334e-04, 1.2302e-01],  
 [4.6918e+00, 3.8498e-03, 4.2580e-01],  
 [3.1044e+01, 2.6244e-01, 1.2381e+00],  
 [1.1526e-03, 1.4318e-09, 1.8629e-04],  
 [3.5880e+00, 1.4367e-03, 1.5787e-01],  
 [9.3154e+00, 1.6969e-02, 4.1689e-01],



[1.7202e+01, 1.0066e-01, 1.0713e+00],  
 [9.8450e-01, 3.3169e-04, 7.9871e-02],  
 [3.1267e+01, 2.0262e-01, 1.1279e+00],  
 [1.1221e+01, 1.4270e-02, 4.3105e-01],  
 [5.7636e+01, 1.3858e-01, 1.8065e+00],  
 [8.9037e-02, 4.7256e-06, 1.2817e-02],  
 [1.8527e+02, 3.0447e-01, 4.7901e+00],  
 [6.2791e+00, 9.0586e-03, 4.0258e-01],  
 [8.3370e-02, 1.0753e-06, 1.1728e-02],  
 [6.8549e+00, 6.6942e-03, 2.9283e-01],  
 [5.7708e+00, 6.3595e-03, 3.5491e-01],  
 [2.0203e+02, 7.7002e-01, 4.6317e+00],  
 [8.3297e-01, 5.6851e-04, 9.7903e-02],  
 [9.5068e-01, 3.1453e-04, 1.0692e-01],  
 [1.2169e+01, 4.3275e-02, 6.8923e-01],  
 [4.1565e+01, 2.9051e-01, 1.3083e+00],  
 [3.6954e+01, 1.7556e-01, 9.6942e-01],  
 [1.2268e+00, 3.4721e-04, 9.8336e-02],  
 [9.3049e+00, 1.1396e-02, 6.2067e-01],  
 [1.1018e+01, 3.8593e-03, 1.0208e+00],  
 [2.7903e+02, 8.6659e+00, 4.7454e+00],  
 [8.6766e-04, 2.0821e-10, 1.4062e-04],  
 [6.5445e+01, 7.3706e-01, 3.2268e+00],  
 [2.9432e+00, 2.4431e-03, 2.5465e-01],  
 [2.2033e+00, 3.9127e-03, 2.4737e-01],  
 [6.4292e+01, 2.7016e-02, 1.6694e+00],  
 [3.7424e+01, 1.9229e-01, 1.5436e+00],  
 [2.9864e+01, 1.2838e-01, 9.2549e-01],  
 [3.5601e+00, 4.5843e-04, 4.6323e-01],  
 [2.0504e+00, 5.6371e-04, 1.1571e-01],  
 [7.6939e+01, 5.1688e-01, 2.0548e+00],  
 [1.4757e-01, 6.6985e-06, 1.7086e-02],  
 [6.9919e+00, 1.8256e-03, 5.9241e-01],  
 [4.0738e-02, 1.7136e-07, 6.2183e-03],  
 [7.1651e+00, 1.0147e-02, 3.6495e-01],  
 [5.6879e-01, 6.4455e-05, 7.3973e-02],  
 [7.0914e-03, 3.3520e-08, 1.0820e-03],  
 [4.1204e+01, 3.7106e-01, 1.1316e+00],  
 [8.2505e-02, 3.9156e-07, 1.0108e-02],  
 [1.6234e+00, 3.6960e-04, 1.6244e-01],  
 [1.0499e+02, 6.0335e-01, 3.9424e+00],  
 [4.7626e-01, 1.4170e-04, 5.6027e-02],  
 [1.8745e+01, 1.2523e-01, 9.2223e-01],  
 [7.7950e-02, 3.0558e-06, 1.1744e-02],  
 [3.0378e+00, 1.1658e-03, 1.3663e-01],  
 [3.3041e+01, 2.3095e-01, 1.2688e+00],  
 [2.8602e-02, 3.2146e-07, 3.9823e-03],  
 [6.1954e-01, 5.8012e-05, 6.3373e-02],

[3.2521e-01, 1.8852e-05, 3.1550e-02],  
 [5.6362e+00, 3.7633e-03, 2.8986e-01],  
 [7.7360e-01, 4.8418e-04, 9.5466e-02],  
 [1.9173e+01, 3.3482e-02, 1.0016e+00],  
 [5.2322e+00, 2.9796e-03, 2.6139e-01],  
 [1.5995e-01, 3.3215e-06, 2.2487e-02],  
 [1.8094e+01, 3.3419e-02, 9.4730e-01],  
 [4.9583e-01, 8.8006e-05, 3.8551e-02],  
 [1.4531e+01, 1.2135e-01, 1.4178e+00],  
 [2.0011e+00, 1.3442e-03, 1.9790e-01],  
 [2.4609e+02, 3.6953e+00, 4.6398e+00],  
 [9.3657e+00, 1.4238e-02, 5.0282e-01],  
 [1.2104e+01, 4.4514e-02, 5.8584e-01],  
 [1.3908e+01, 3.2175e-02, 8.8281e-01],  
 [2.1177e+01, 1.4753e-02, 8.2743e-01],  
 [2.6462e-01, 2.7789e-05, 3.3066e-02],  
 [9.8631e+01, 2.2833e-01, 3.5236e+00],  
 [2.6147e-02, 1.3294e-07, 3.7903e-03],  
 [1.0279e+00, 1.6133e-04, 1.2654e-01],  
 [5.4659e-01, 2.7348e-05, 3.8025e-02],  
 [5.1687e+00, 2.1592e-03, 2.1771e-01],  
 [3.3178e+01, 5.8558e-01, 2.3417e+00],  
 [3.9853e-01, 2.1425e-05, 4.7025e-02],  
 [4.7690e-01, 1.0229e-04, 6.6889e-02],  
 [3.1329e+00, 5.7085e-03, 2.4822e-01],  
 [4.6137e+01, 3.0566e-01, 1.9436e+00],  
 [4.0227e+00, 1.7920e-04, 2.6145e-01],  
 [3.4622e+00, 1.5896e-03, 3.9157e-01],  
 [2.4887e+00, 3.1603e-03, 2.0891e-01],  
 [3.6573e+01, 4.2821e-01, 1.5599e+00],  
 [2.3663e+00, 1.7894e-03, 2.0961e-01],  
 [2.6081e+00, 8.2316e-04, 2.3292e-01],  
 [8.2779e+01, 1.9304e-01, 3.9114e+00],  
 [3.1773e+01, 1.2219e-01, 1.3816e+00],  
 [3.7391e-01, 4.2866e-05, 3.2831e-02],  
 [1.5026e+00, 4.8909e-04, 1.3463e-01],  
 [2.9375e+00, 8.2947e-04, 1.8098e-01],  
 [9.9140e-01, 2.2432e-04, 7.7625e-02],  
 [5.6242e+00, 6.2727e-03, 3.6589e-01],  
 [4.5605e+00, 1.9818e-04, 2.6337e-01],  
 [1.4769e-01, 1.0009e-05, 1.6047e-02],  
 [7.8667e+00, 2.3691e-02, 6.3314e-01],  
 [5.0497e+01, 7.4712e-01, 1.3966e+00],  
 [1.7560e-01, 8.2246e-06, 2.1346e-02],  
 [4.8045e+00, 2.1595e-03, 2.5758e-01],  
 [4.4136e-01, 2.8299e-05, 3.2027e-02],  
 [1.1643e+01, 7.8193e-02, 7.1552e-01],  
 [4.5135e+01, 4.3064e-01, 2.7623e+00],

[5.0823e+00, 6.6529e-03, 3.7753e-01],  
 [5.4143e-01, 7.2628e-05, 6.0262e-02],  
 [4.4059e+01, 6.3536e-01, 2.0169e+00],  
 [5.2012e+01, 2.6883e-01, 1.0832e+00],  
 [8.3393e+00, 5.1072e-03, 4.9853e-01],  
 [8.9254e-02, 2.8950e-06, 1.0454e-02],  
 [1.4212e+02, 4.0981e+00, 3.7055e+00],  
 [6.9357e-03, 1.1592e-08, 1.1096e-03],  
 [5.8644e-02, 1.1493e-06, 7.8162e-03],  
 [7.8154e+01, 1.3728e+00, 2.2190e+00],  
 [1.0602e+02, 1.9379e+00, 4.0836e+00],  
 [2.0607e+02, 2.8119e+00, 4.6483e+00],  
 [8.7288e-01, 3.4545e-04, 8.8667e-02],  
 [8.7260e-01, 1.5396e-04, 7.4683e-02],  
 [7.0924e-02, 1.3512e-06, 9.8526e-03],  
 [2.4874e-01, 1.6541e-05, 2.6267e-02],  
 [5.9865e+01, 2.9182e-01, 2.3092e+00],  
 [9.6144e-02, 2.8096e-06, 1.3301e-02],  
 [4.4058e+01, 4.3900e-01, 2.1426e+00],  
 [3.4232e+01, 1.5122e-01, 1.3077e+00],  
 [8.0777e-01, 2.4560e-04, 6.1708e-02],  
 [6.7437e+01, 8.7128e-01, 1.9325e+00],  
 [1.1627e+02, 2.3144e+00, 4.0828e+00],  
 [7.0031e+01, 5.4660e-01, 2.5054e+00],  
 [4.3145e+01, 1.2373e-01, 2.0798e+00],  
 [2.9561e+01, 5.7382e-02, 9.7221e-01],  
 [1.3159e+02, 5.6848e-01, 2.2630e+00],  
 [2.9861e+01, 1.3299e-01, 1.1648e+00],  
 [1.4223e+01, 1.0121e-02, 5.0165e-01],  
 [4.7377e-02, 5.2990e-07, 6.1679e-03],  
 [1.4450e+02, 4.5427e-01, 4.3555e+00],  
 [2.4862e+01, 5.4696e-02, 1.5804e+00],  
 [5.2984e-02, 7.7023e-08, 6.8716e-03],  
 [3.1243e+00, 1.6829e-03, 1.9217e-01],  
 [2.5994e+01, 1.9216e-01, 1.7585e+00],  
 [1.3910e+01, 1.2856e-02, 3.8275e-01],  
 [1.5219e-01, 5.1632e-06, 2.0178e-02],  
 [2.6947e+01, 7.7394e-02, 8.1476e-01],  
 [4.6431e+01, 3.3469e-01, 1.1595e+00],  
 [4.2078e-01, 5.8097e-05, 4.6582e-02],  
 [2.9772e-01, 4.0896e-05, 3.4579e-02],  
 [6.5067e-01, 2.0720e-04, 5.5402e-02],  
 [3.2831e+00, 1.0029e-04, 2.8761e-01],  
 [2.3220e-01, 1.7123e-05, 2.4234e-02],  
 [5.0315e+00, 1.2506e-03, 2.5470e-01],  
 [1.3823e+01, 2.1385e-02, 4.9533e-01],  
 [1.9878e+02, 1.7856e+00, 3.4118e+00],  
 [1.3518e+01, 3.0938e-02, 1.1477e+00],

```

[2.6467e+00, 2.0421e-04, 1.2898e-01],
[1.5805e-01, 4.4869e-06, 2.0903e-02],
[6.6370e-03, 1.3849e-08, 1.0296e-03],
[1.4327e+02, 2.2393e+00, 3.0925e+00],
[5.2251e+00, 9.9029e-04, 4.7114e-01],
[6.4585e+00, 8.9079e-03, 6.1866e-01],
[1.2790e+01, 5.2611e-02, 6.9751e-01],
[1.3349e+01, 2.6855e-02, 8.0823e-01],
[3.2661e-01, 1.7156e-05, 3.5598e-02],
[4.1640e+01, 1.9722e-01, 1.8696e+00],
[2.0382e+01, 7.0391e-02, 7.7569e-01],
[5.5621e+01, 1.4006e-01, 2.1751e+00],
[2.3200e+01, 1.0069e-01, 6.6158e-01],
[2.5046e-01, 2.2465e-05, 2.8647e-02],
[4.5529e-01, 5.6133e-05, 5.4353e-02],
[3.6949e+00, 4.2447e-03, 3.1923e-01],
[6.7323e+01, 1.3439e-01, 3.0949e+00],
[5.3050e+01, 3.6695e-02, 2.7172e+00],
[1.1885e+02, 1.4047e+00, 3.2436e+00],
[9.5608e-02, 4.6900e-06, 1.1579e-02]], dtype=torch.float64)
Iteration: 271
Inputs: tensor([[1.2103e+18, 1.8556e+02, 6.8408e+00, 5.6126e+00],
[1.0027e+18, 8.2298e+01, 1.5161e+01, 5.3179e+00],
[1.2649e+20, 1.9933e+02, 1.9447e+01, 8.8068e+00],
...,
[1.7282e+18, 4.2218e+02, 1.9592e+00, 1.7369e+00],
[9.9792e+19, 3.8742e+02, 7.2442e+00, 6.2935e+00],
[6.0380e+20, 3.6340e+01, 1.6117e+01, 2.6396e+00]], dtype=torch.float64)
Target: tensor([[7.7252e-02, 1.7421e-06, 9.5382e-03],
[4.0989e-03, 1.3124e-08, 6.3663e-04],
[2.7025e+01, 3.2991e-01, 1.3290e+00],
[5.5267e+01, 8.0833e-01, 2.4727e+00],
[3.9953e+01, 1.9912e-01, 1.0617e+00],
[4.9212e+00, 9.5062e-04, 3.7994e-01],
[4.3224e-01, 1.7565e-04, 5.9772e-02],
[4.9460e-02, 3.9998e-07, 6.8718e-03],
[2.1705e+02, 3.6949e+00, 3.4117e+00],
[1.0577e-02, 4.4742e-08, 1.5890e-03],
[2.1058e+00, 1.5834e-03, 2.6058e-01],
[1.0609e+01, 1.9911e-02, 6.1536e-01],
[3.3389e-01, 3.6711e-05, 3.0327e-02],
[5.1671e-02, 1.0019e-07, 6.8650e-03],
[8.4114e-01, 1.3890e-04, 1.0947e-01],
[4.0821e+01, 7.6625e-02, 1.0742e+00],
[1.1877e+00, 2.1601e-04, 8.0830e-02],
[7.0136e+01, 9.3839e-01, 1.8148e+00],
[3.8867e+01, 8.7043e-02, 8.7768e-01],
[7.9265e-01, 3.8221e-04, 1.0238e-01],

```

[5.5793e+01, 5.7114e-01, 1.9707e+00],  
 [7.4868e+01, 9.5729e-01, 3.4220e+00],  
 [1.4276e+02, 1.9641e+00, 3.0436e+00],  
 [4.1650e-01, 1.2326e-05, 4.4955e-02],  
 [4.8707e+00, 6.1367e-03, 5.2608e-01],  
 [4.3602e-01, 7.9441e-05, 4.1143e-02],  
 [1.9202e-01, 3.3354e-05, 2.7472e-02],  
 [1.2959e+01, 7.3434e-03, 6.1104e-01],  
 [5.0271e-01, 5.5687e-05, 5.5414e-02],  
 [2.4606e+00, 9.2308e-04, 2.3156e-01],  
 [6.3558e+01, 9.6631e-01, 2.0408e+00],  
 [5.2391e+00, 6.7835e-03, 4.3689e-01],  
 [1.7346e-02, 2.8158e-07, 2.6186e-03],  
 [8.4469e-01, 1.3677e-04, 7.0145e-02],  
 [7.4833e+00, 1.5728e-03, 4.7575e-01],  
 [6.1373e+01, 4.9759e-01, 2.0687e+00],  
 [1.6884e+00, 7.7002e-04, 1.2265e-01],  
 [1.6028e+02, 3.7603e+00, 3.5827e+00],  
 [3.7210e-01, 4.6092e-05, 4.3657e-02],  
 [3.1217e+01, 3.3518e-01, 1.2639e+00],  
 [4.7094e+01, 4.6731e-01, 1.4277e+00],  
 [3.1911e+01, 1.7734e-01, 1.2600e+00],  
 [1.1011e+02, 1.7915e+00, 2.9106e+00],  
 [2.4458e-01, 3.9767e-05, 3.0291e-02],  
 [1.4530e+01, 5.0949e-02, 8.7391e-01],  
 [1.4032e-01, 1.0221e-05, 1.5774e-02],  
 [1.1090e+01, 5.1448e-02, 6.6144e-01],  
 [2.3953e+01, 6.6786e-02, 1.5629e+00],  
 [1.0586e+02, 6.9221e-01, 4.0147e+00],  
 [4.8188e+00, 4.6264e-03, 4.1223e-01],  
 [7.6527e+00, 2.0029e-02, 3.7082e-01],  
 [4.4000e+00, 4.5367e-03, 4.3608e-01],  
 [2.6559e-02, 1.8508e-07, 3.8627e-03],  
 [3.6704e+01, 9.3916e-02, 1.7254e+00],  
 [1.7900e+01, 4.1614e-02, 8.8228e-01],  
 [1.4398e-01, 2.6019e-06, 1.7240e-02],  
 [4.1900e+01, 1.0210e-01, 2.3493e+00],  
 [2.3249e+00, 1.6373e-03, 2.7069e-01],  
 [3.5336e+01, 2.8081e-01, 9.2398e-01],  
 [1.9987e-01, 3.8101e-06, 2.6064e-02],  
 [3.3037e+01, 1.9226e-01, 1.1460e+00],  
 [3.4137e+01, 1.8091e-01, 1.4146e+00],  
 [3.6209e+01, 1.7502e-01, 1.4142e+00],  
 [6.5895e+00, 3.9951e-03, 3.8738e-01],  
 [1.4842e-01, 9.5210e-06, 1.6240e-02],  
 [9.7340e-04, 2.4767e-10, 1.5857e-04],  
 [2.0670e+01, 1.1280e-01, 1.2640e+00],  
 [1.5737e+02, 2.8665e+00, 3.0880e+00],

[2.9584e-01, 6.6048e-05, 3.0933e-02],  
 [1.1273e+01, 3.0536e-02, 1.1135e+00],  
 [1.0610e-01, 9.3271e-06, 1.2204e-02],  
 [2.4332e+01, 9.8664e-02, 1.2955e+00],  
 [4.4598e+00, 4.7125e-03, 3.6791e-01],  
 [1.5184e+01, 6.0508e-02, 6.9353e-01],  
 [2.5822e-01, 4.3683e-05, 3.2841e-02],  
 [2.0881e+00, 1.3457e-03, 1.4556e-01],  
 [8.8925e-01, 4.1545e-04, 8.5191e-02],  
 [1.4693e-01, 9.6625e-06, 1.8203e-02],  
 [2.2970e-02, 1.7894e-07, 3.3970e-03],  
 [1.6965e-01, 1.9926e-05, 2.3639e-02],  
 [2.0532e+01, 2.0434e-02, 1.2610e+00],  
 [4.1255e+00, 3.1135e-03, 3.0595e-01],  
 [1.0536e-01, 2.3614e-06, 1.3116e-02],  
 [5.7841e-01, 2.0933e-04, 6.1877e-02],  
 [1.0315e+01, 3.5586e-02, 4.6899e-01],  
 [7.2187e+00, 9.2352e-03, 5.5530e-01],  
 [7.3873e+00, 1.0964e-03, 4.4072e-01],  
 [1.1864e+00, 2.9631e-04, 1.3113e-01],  
 [1.6849e+02, 1.1684e+00, 3.0962e+00],  
 [2.6972e-01, 4.2891e-06, 3.2599e-02],  
 [5.9393e-01, 3.6608e-05, 5.1473e-02],  
 [2.5519e+01, 2.3255e-01, 1.4085e+00],  
 [4.0587e-02, 3.3932e-07, 5.8498e-03],  
 [1.0587e+00, 3.3412e-05, 6.7610e-02],  
 [4.8447e+00, 1.0624e-02, 2.7812e-01],  
 [1.1179e-01, 6.2327e-06, 1.5093e-02],  
 [1.3964e+01, 3.2099e-02, 5.6728e-01],  
 [1.2503e+00, 2.5504e-04, 1.1510e-01],  
 [8.3006e+00, 5.3852e-03, 9.0295e-01],  
 [1.3344e+02, 1.3983e+00, 2.9316e+00],  
 [7.1545e+00, 7.6205e-03, 3.5884e-01],  
 [3.6279e-01, 3.8627e-05, 3.6963e-02],  
 [1.6964e+00, 4.3978e-04, 9.9996e-02],  
 [3.9678e+01, 4.8179e-01, 2.2993e+00],  
 [3.9049e+00, 6.4951e-03, 3.2634e-01],  
 [2.2969e+00, 1.8665e-03, 1.9631e-01],  
 [1.0621e+00, 8.2684e-04, 1.1638e-01],  
 [1.9718e+01, 1.2261e-01, 8.5195e-01],  
 [7.4470e+01, 1.4203e-01, 2.2737e+00],  
 [7.8293e-02, 4.4821e-06, 9.9662e-03],  
 [1.3125e+00, 2.2478e-04, 9.5755e-02],  
 [6.5151e+01, 9.5060e-01, 3.2672e+00],  
 [2.5049e+01, 3.3567e-02, 7.8767e-01],  
 [3.1586e-01, 1.6598e-05, 3.1095e-02],  
 [1.3962e-01, 7.2560e-06, 1.6192e-02],  
 [1.2757e+01, 2.6045e-02, 5.0077e-01],

[1.6382e+02, 6.5457e+00, 3.4875e+00],  
 [3.0138e-01, 7.5411e-05, 4.1555e-02],  
 [4.0585e+01, 5.6248e-02, 9.6262e-01],  
 [3.0248e+01, 2.3750e-01, 1.1197e+00],  
 [5.2605e-02, 1.2875e-06, 7.3519e-03],  
 [1.8020e-01, 1.1033e-05, 2.4153e-02],  
 [3.5936e+00, 6.3896e-03, 2.7683e-01],  
 [4.7497e+00, 5.2243e-03, 4.1225e-01],  
 [1.0215e+01, 8.1469e-03, 8.2919e-01],  
 [9.7117e+01, 1.0654e+00, 3.4494e+00],  
 [3.1175e+00, 6.6889e-04, 4.1514e-01],  
 [6.9830e-01, 2.0781e-04, 6.1022e-02],  
 [3.3408e+00, 4.0027e-03, 2.5305e-01],  
 [2.7652e+01, 1.0767e-01, 1.3709e+00],  
 [2.9309e-01, 5.9065e-05, 3.2665e-02],  
 [4.3089e+01, 5.0729e-01, 1.3136e+00],  
 [7.0104e-01, 3.9577e-06, 4.6753e-02],  
 [4.1240e+00, 2.1972e-04, 2.8227e-01],  
 [2.7943e+00, 6.5543e-03, 3.2093e-01],  
 [5.8895e+01, 1.9420e-01, 1.9745e+00],  
 [1.6128e+01, 5.1883e-02, 1.1473e+00],  
 [9.0082e+00, 1.5674e-02, 9.3468e-01],  
 [5.3567e+01, 5.3272e-01, 2.4491e+00],  
 [9.8927e-03, 1.9376e-08, 1.5030e-03],  
 [5.0799e-01, 4.5208e-05, 6.9252e-02],  
 [2.6693e+00, 4.2823e-03, 2.2536e-01],  
 [4.4105e+00, 9.6447e-03, 4.1839e-01],  
 [6.2493e-01, 8.8578e-05, 5.1437e-02],  
 [1.7604e+00, 3.0271e-04, 1.1147e-01],  
 [3.1540e-01, 4.8858e-05, 3.5899e-02],  
 [2.2581e+01, 8.9889e-02, 1.6278e+00],  
 [6.1326e+00, 4.4704e-03, 2.5215e-01],  
 [7.1506e+01, 1.5321e+00, 2.0029e+00],  
 [1.6494e+01, 5.0441e-02, 1.1774e+00],  
 [1.0358e+01, 1.1200e-02, 7.1213e-01],  
 [3.0683e-01, 6.3942e-05, 4.1689e-02],  
 [1.5488e-01, 1.3329e-05, 1.8617e-02],  
 [8.3761e-01, 2.1122e-04, 6.2492e-02],  
 [2.5286e-01, 1.1109e-05, 3.1824e-02],  
 [5.2069e-02, 5.2430e-07, 7.2005e-03],  
 [2.6700e+01, 1.7853e-01, 8.1648e-01],  
 [6.3858e+01, 1.8481e-01, 1.4789e+00],  
 [4.2263e+01, 3.1745e-01, 2.3718e+00],  
 [4.1520e+00, 2.3833e-03, 2.1600e-01],  
 [2.7184e+01, 2.3414e-01, 9.2243e-01],  
 [3.1802e-01, 3.7857e-05, 3.4393e-02],  
 [1.2211e+01, 1.3210e-02, 8.9762e-01],  
 [8.8832e-03, 5.8405e-08, 1.3417e-03],

[5.1424e+00, 3.4938e-03, 2.7871e-01],  
 [1.9295e+02, 8.4333e+00, 4.2077e+00],  
 [1.1438e-02, 3.2277e-09, 1.7880e-03],  
 [2.5080e-02, 1.2356e-07, 3.8526e-03],  
 [3.5770e+00, 2.0639e-03, 1.8147e-01],  
 [2.7509e+01, 1.3768e-01, 7.9707e-01],  
 [6.5907e+00, 2.7505e-02, 7.6841e-01],  
 [4.8689e-02, 6.3291e-07, 6.3639e-03],  
 [3.5482e-02, 1.0634e-06, 5.4065e-03],  
 [5.6084e+01, 4.0569e-01, 2.1181e+00],  
 [5.6071e+01, 1.0890e-01, 1.5613e+00],  
 [4.2980e+01, 5.6792e-02, 1.7596e+00],  
 [4.7754e+01, 7.0595e-02, 1.2916e+00],  
 [4.6890e-01, 1.7584e-05, 4.0958e-02],  
 [4.3503e+01, 3.5384e-02, 2.5217e+00],  
 [3.0245e-02, 1.0236e-07, 4.3362e-03],  
 [1.1687e+00, 5.1393e-04, 9.1035e-02],  
 [3.2303e-01, 4.6551e-06, 2.9728e-02],  
 [6.2767e+01, 1.6124e+00, 2.3932e+00],  
 [8.4218e-02, 3.8984e-06, 1.2785e-02],  
 [1.8852e-01, 1.9556e-05, 2.4130e-02],  
 [3.9715e-01, 5.9259e-06, 3.2315e-02],  
 [1.3325e+00, 4.0355e-04, 1.2975e-01],  
 [1.3769e-01, 5.3118e-06, 2.1482e-02],  
 [1.4020e-02, 1.7908e-08, 2.1517e-03],  
 [1.5604e-01, 1.3245e-05, 2.2170e-02],  
 [4.0844e+01, 1.3628e-01, 1.3397e+00],  
 [2.3701e+02, 6.5197e+00, 4.2707e+00],  
 [3.1313e+01, 3.6026e-01, 1.8049e+00],  
 [2.6279e+00, 8.8156e-04, 2.1863e-01],  
 [4.2249e+01, 2.2794e-01, 9.5131e-01],  
 [8.6336e+01, 1.4518e+00, 2.0495e+00],  
 [2.9866e+01, 6.9948e-02, 1.6712e+00],  
 [2.0733e+01, 2.0975e-02, 8.9479e-01],  
 [1.0700e+01, 2.2485e-02, 6.4596e-01],  
 [5.9107e-01, 1.8624e-04, 5.1749e-02],  
 [5.0752e-01, 9.0112e-05, 5.1102e-02],  
 [4.5056e-02, 5.5236e-07, 6.2240e-03],  
 [6.3835e-02, 1.0266e-06, 9.3482e-03],  
 [4.5361e-01, 5.6582e-05, 3.9028e-02],  
 [1.5797e+01, 1.1400e-01, 9.0369e-01],  
 [4.8443e+01, 6.4074e-01, 1.3107e+00],  
 [7.6810e-02, 7.8839e-06, 1.0958e-02],  
 [8.4487e+00, 2.5661e-03, 4.0478e-01],  
 [1.0271e+01, 1.2028e-02, 9.1488e-01],  
 [4.4324e+01, 1.2238e-01, 2.3585e+00],  
 [7.6690e-02, 2.0144e-06, 1.0638e-02],  
 [8.8025e+01, 1.0532e-01, 2.8365e+00],



[1.4354e-01, 7.3181e-06, 1.7481e-02],  
 [2.8884e+01, 9.0824e-02, 2.2669e+00],  
 [3.3429e+00, 1.2525e-03, 2.6480e-01],  
 [9.3909e-02, 2.1713e-06, 1.3837e-02],  
 [1.0224e+01, 7.1602e-03, 8.7442e-01],  
 [7.3528e+00, 9.3481e-04, 3.3380e-01],  
 [1.5537e-01, 5.6513e-06, 1.8777e-02],  
 [4.9522e+01, 9.7434e-02, 2.5390e+00],  
 [8.0795e-01, 1.1995e-04, 4.9689e-02],  
 [4.1114e-01, 2.1023e-04, 5.4866e-02],  
 [2.0842e+00, 6.4671e-04, 1.7368e-01],  
 [1.5986e-02, 6.4540e-08, 2.3638e-03],  
 [5.8844e-01, 5.7460e-05, 7.2873e-02],  
 [1.2589e+02, 3.6090e+00, 3.5518e+00],  
 [2.3414e+01, 1.9591e-02, 1.0316e+00],  
 [3.9594e+01, 3.9518e-01, 1.4920e+00],  
 [2.5423e+00, 6.2414e-04, 2.6250e-01],  
 [4.4136e+00, 7.9440e-03, 4.0257e-01],  
 [3.9064e+00, 1.6784e-03, 2.2395e-01],  
 [7.7613e-01, 7.5208e-05, 6.6034e-02],  
 [7.4376e+00, 2.2707e-02, 5.4523e-01],  
 [9.8535e-02, 9.6115e-07, 1.1351e-02],  
 [2.4649e+00, 2.3154e-04, 1.4334e-01],  
 [4.1628e+00, 3.0303e-03, 2.0047e-01],  
 [3.8442e-01, 4.0993e-05, 4.7241e-02],  
 [5.6061e+00, 3.2537e-03, 7.0558e-01],  
 [3.3915e-02, 8.2838e-07, 4.6674e-03],  
 [2.8197e+00, 1.7061e-03, 2.7016e-01],  
 [2.3081e+01, 1.3065e-01, 1.0617e+00],  
 [2.4877e+00, 8.4400e-04, 2.5184e-01],  
 [4.4437e+01, 2.8004e-01, 1.6809e+00],  
 [2.9868e+00, 1.6250e-03, 3.6920e-01],  
 [3.5761e-01, 4.5417e-05, 3.6575e-02],  
 [3.7900e+00, 1.8834e-03, 3.1131e-01],  
 [4.2899e+01, 2.8436e-01, 2.0299e+00],  
 [2.8221e+01, 4.6956e-02, 1.4861e+00],  
 [5.6906e+01, 1.1138e+00, 3.0153e+00],  
 [2.7899e+00, 8.5565e-04, 1.9059e-01],  
 [1.2305e-01, 1.3379e-05, 1.5197e-02],  
 [1.8483e+01, 4.2186e-02, 6.1317e-01],  
 [3.7248e+00, 2.3817e-04, 2.2009e-01],  
 [1.7076e+01, 5.4196e-02, 6.1259e-01],  
 [5.1768e+00, 2.4633e-03, 4.9594e-01],  
 [3.8497e+00, 8.7285e-03, 3.4018e-01],  
 [1.2946e-01, 3.6523e-06, 1.4212e-02],  
 [9.1712e+00, 1.1874e-02, 4.4958e-01],  
 [6.7422e+01, 8.3148e-01, 1.8189e+00],  
 [3.4833e+00, 9.1475e-04, 2.7590e-01],

[7.8635e-01, 4.0934e-04, 7.6663e-02],  
 [1.7735e+01, 1.5260e-01, 8.5970e-01],  
 [2.2754e+00, 7.4041e-04, 1.6840e-01],  
 [7.1576e-02, 2.4766e-07, 1.0688e-02],  
 [2.7747e+00, 4.4720e-04, 1.7521e-01],  
 [5.8128e+01, 2.4746e-01, 3.3700e+00],  
 [1.6281e+01, 1.8602e-02, 8.7584e-01],  
 [1.1547e+02, 3.3425e+00, 2.6419e+00],  
 [7.4353e-03, 2.9071e-08, 1.1565e-03],  
 [2.0604e+00, 1.0879e-03, 1.3707e-01],  
 [1.5785e+00, 1.9822e-03, 1.5549e-01],  
 [2.4388e+01, 2.1071e-02, 1.0688e+00],  
 [2.2116e+02, 3.0537e+00, 4.7302e+00],  
 [2.6534e+01, 1.1265e-01, 1.7850e+00],  
 [6.1337e+01, 7.3215e-01, 2.0254e+00],  
 [4.7697e+00, 8.1179e-03, 5.4390e-01],  
 [4.1147e-04, 4.9696e-11, 6.7467e-05],  
 [1.4746e+02, 3.4300e+00, 2.7736e+00],  
 [5.6399e-01, 1.2515e-04, 6.3061e-02],  
 [4.1328e-01, 6.4815e-05, 5.2165e-02],  
 [1.0901e+02, 7.7838e-01, 3.2889e+00],  
 [2.0772e-03, 4.4456e-09, 3.3327e-04],  
 [3.1065e-01, 4.1857e-05, 2.9972e-02],  
 [2.6607e-01, 6.3537e-06, 2.6506e-02],  
 [2.1160e+00, 6.8593e-04, 1.1285e-01],  
 [3.4395e+01, 1.0607e-01, 1.4878e+00],  
 [5.5241e-01, 1.0104e-04, 4.6462e-02],  
 [1.8067e+00, 6.6568e-04, 1.1835e-01],  
 [6.1243e+00, 3.2462e-03, 4.2623e-01],  
 [3.5175e+01, 1.6332e-01, 1.8193e+00],  
 [4.2028e+00, 5.0426e-03, 3.2398e-01],  
 [2.1859e+01, 1.7568e-02, 5.8938e-01],  
 [1.4057e-02, 9.7286e-08, 2.2128e-03],  
 [6.2096e+00, 1.9369e-03, 4.7175e-01],  
 [7.7910e+01, 6.3792e-02, 1.8907e+00],  
 [8.7314e+00, 3.4474e-02, 5.8841e-01],  
 [1.0426e-01, 7.9065e-07, 1.2046e-02],  
 [2.7511e-01, 8.4262e-06, 3.7119e-02],  
 [2.0140e-03, 4.0489e-09, 3.2118e-04],  
 [1.1704e+02, 3.6446e+00, 2.6443e+00],  
 [2.9663e+01, 1.2074e-01, 1.9066e+00],  
 [1.0178e+01, 1.2244e-03, 3.2758e-01],  
 [5.1782e+00, 1.4656e-02, 4.8714e-01],  
 [9.2002e+01, 6.4522e-01, 4.1321e+00],  
 [1.6335e+00, 2.6605e-04, 1.2359e-01],  
 [1.9190e+01, 1.3273e-03, 6.7688e-01],  
 [4.6209e+01, 8.8692e-02, 1.4343e+00],  
 [1.1269e+00, 1.1201e-04, 6.8913e-02],

```

[1.1370e+01, 3.3711e-02, 7.5813e-01],
[9.5606e-01, 6.6379e-05, 9.6835e-02],
[4.4653e-03, 7.5886e-09, 6.9177e-04],
[3.3085e+01, 1.0091e-01, 1.2432e+00],
[2.7134e+01, 1.5612e-02, 1.3268e+00],
[3.4386e-01, 1.2471e-05, 3.8607e-02],
[1.2914e-03, 4.4895e-10, 2.0719e-04],
[5.2017e+00, 6.0813e-03, 2.9015e-01],
[3.7796e-01, 7.3797e-05, 4.9142e-02],
[5.4445e-01, 3.7791e-06, 4.3470e-02],
[5.3006e+01, 2.9876e-01, 1.4131e+00],
[2.7231e+00, 2.6357e-03, 3.6427e-01]], dtype=torch.float64)
Iteration: 272
Inputs: tensor([[7.4389e+18, 2.8002e+02, 1.3351e+00, 4.7078e+00],
[2.6046e+19, 1.4325e+02, 1.6712e+01, 6.2363e+00],
[2.6410e+19, 3.3063e+02, 1.0001e+01, 8.3062e+00],
...,
[1.4540e+20, 2.5403e+02, 9.5222e+00, 5.7678e+00],
[1.9692e+19, 3.3118e+02, 4.2411e+00, 4.9620e+00],
[6.0673e+19, 3.8795e+02, 1.5134e+01, 8.9645e+00]], dtype=torch.float64)
Target: tensor([[4.2635e+00, 6.8801e-04, 2.1595e-01],
[2.8187e+00, 3.8059e-03, 2.5943e-01],
[1.3617e+01, 3.9290e-02, 5.6505e-01],
[1.8079e-01, 7.7726e-06, 2.2835e-02],
[1.1369e+00, 6.8195e-04, 1.0019e-01],
[3.4698e-02, 2.9922e-07, 4.8327e-03],
[1.2498e+01, 4.5589e-02, 8.5414e-01],
[8.2937e+01, 1.4258e-01, 1.6349e+00],
[5.9055e+00, 9.1732e-03, 3.6482e-01],
[7.0195e+01, 1.4229e+00, 2.4294e+00],
[2.1115e-01, 9.8308e-06, 2.3448e-02],
[3.4597e+00, 2.3460e-03, 1.9443e-01],
[7.5069e-01, 2.6510e-04, 8.9221e-02],
[2.5599e+01, 1.4879e-01, 1.0080e+00],
[4.7792e+01, 5.0912e-01, 1.2349e+00],
[5.9112e-01, 6.0831e-05, 5.8519e-02],
[9.7699e-01, 3.6759e-04, 1.0382e-01],
[1.7984e-02, 2.5166e-08, 2.6619e-03],
[1.9981e-01, 1.3422e-05, 2.3280e-02],
[9.1824e-02, 2.8453e-06, 1.2400e-02],
[1.9591e+00, 8.5201e-05, 1.9051e-01],
[2.5075e+01, 8.0005e-02, 1.1977e+00],
[1.2329e-02, 2.3413e-07, 1.8355e-03],
[1.9784e+01, 4.5506e-03, 6.5669e-01],
[1.7019e+01, 1.6270e-02, 1.1273e+00],
[1.7753e-01, 1.2584e-05, 1.9535e-02],
[1.0816e+02, 2.1759e+00, 3.9935e+00],
[3.1402e+01, 1.7279e-01, 8.7776e-01],

```

[3.4691e+00, 3.5280e-03, 4.3333e-01],  
 [8.9026e-02, 3.6055e-06, 1.1443e-02],  
 [1.5130e+02, 1.8855e+00, 3.7632e+00],  
 [7.4463e+00, 2.3799e-02, 4.1827e-01],  
 [1.8694e-01, 2.4065e-05, 2.6556e-02],  
 [3.7994e-01, 1.5088e-04, 4.3349e-02],  
 [9.5730e+01, 1.9827e+00, 2.6735e+00],  
 [2.6033e+01, 1.0853e-01, 7.8694e-01],  
 [1.3280e+01, 2.7429e-02, 5.5010e-01],  
 [1.0421e+02, 2.8146e-01, 2.5463e+00],  
 [1.6824e+01, 1.4259e-02, 6.7152e-01],  
 [1.5943e+00, 3.8870e-04, 1.2008e-01],  
 [2.0763e+00, 1.9469e-03, 1.9684e-01],  
 [9.3661e-01, 1.0738e-04, 8.1197e-02],  
 [8.9291e+00, 2.2070e-03, 7.5290e-01],  
 [4.2804e+00, 3.5975e-03, 2.1731e-01],  
 [1.6091e-02, 1.6564e-07, 2.3445e-03],  
 [6.7235e+00, 2.5184e-03, 4.0945e-01],  
 [3.5929e+00, 2.1267e-04, 1.9669e-01],  
 [1.2055e+01, 4.5939e-02, 6.4354e-01],  
 [1.4662e+01, 1.9988e-02, 1.2108e+00],  
 [1.9994e+02, 2.8368e+00, 3.6286e+00],  
 [2.3501e+01, 1.1690e-01, 7.6232e-01],  
 [6.4031e+00, 7.6954e-03, 4.6461e-01],  
 [3.0888e+01, 1.2733e-01, 1.5404e+00],  
 [2.5640e+01, 4.5732e-03, 1.0832e+00],  
 [2.6197e-02, 3.5988e-08, 3.6451e-03],  
 [1.6841e+00, 3.0410e-04, 1.8154e-01],  
 [2.0882e-01, 1.2231e-05, 2.1382e-02],  
 [1.8657e+01, 4.5247e-02, 1.1832e+00],  
 [9.0544e+01, 1.5358e+00, 2.3948e+00],  
 [3.3601e+00, 4.5030e-03, 3.7532e-01],  
 [3.2261e+01, 3.1134e-01, 1.1297e+00],  
 [2.9062e-02, 2.3068e-07, 4.3963e-03],  
 [3.1782e+00, 1.1328e-03, 2.8276e-01],  
 [2.3777e+00, 1.3883e-03, 2.1024e-01],  
 [3.8462e-02, 2.0781e-06, 5.2661e-03],  
 [8.7895e-01, 1.9767e-04, 9.2094e-02],  
 [4.4103e-01, 4.5956e-05, 3.3747e-02],  
 [1.5857e+00, 4.2775e-04, 1.2460e-01],  
 [4.0933e+01, 6.6369e-01, 1.2797e+00],  
 [2.8415e-01, 1.5381e-05, 3.1109e-02],  
 [2.8089e-02, 6.7190e-08, 4.4355e-03],  
 [5.2945e-04, 1.4009e-11, 8.6266e-05],  
 [4.2306e+01, 1.7271e-01, 1.8187e+00],  
 [2.0410e+02, 1.0985e+01, 4.9203e+00],  
 [5.4229e-04, 1.4572e-10, 8.8963e-05],  
 [3.6611e+01, 2.2042e-01, 1.3550e+00],

[3.6324e-01, 7.2981e-05, 3.5188e-02],  
 [2.2378e+00, 4.6195e-04, 2.2752e-01],  
 [5.3497e+01, 3.2450e-01, 3.2851e+00],  
 [4.2332e+00, 1.5679e-03, 2.4387e-01],  
 [5.9382e+01, 8.8497e-01, 1.9780e+00],  
 [2.4306e+00, 7.4392e-05, 1.2483e-01],  
 [7.3005e-02, 1.1521e-06, 9.4275e-03],  
 [2.6028e+00, 7.4680e-04, 2.3317e-01],  
 [2.6717e+00, 8.4483e-04, 2.1383e-01],  
 [1.4521e+00, 1.7989e-04, 1.5549e-01],  
 [3.1536e+01, 5.4379e-02, 1.0323e+00],  
 [1.7461e+00, 1.1655e-03, 1.8671e-01],  
 [1.6850e-02, 1.1199e-07, 2.5765e-03],  
 [2.6207e+01, 2.1243e-01, 8.3822e-01],  
 [1.2714e+01, 4.3963e-02, 1.2260e+00],  
 [1.3576e+02, 1.5181e+00, 3.2908e+00],  
 [1.5634e+01, 4.7913e-03, 1.4267e+00],  
 [5.7399e+01, 6.4729e-02, 1.5669e+00],  
 [6.1316e+00, 3.9807e-03, 2.8508e-01],  
 [5.2393e-01, 1.7831e-04, 7.0256e-02],  
 [2.3425e-01, 6.0650e-05, 3.1987e-02],  
 [4.2752e+01, 1.6657e-01, 1.0936e+00],  
 [1.1191e-02, 7.0596e-08, 1.6994e-03],  
 [3.0898e+00, 2.9570e-04, 2.4852e-01],  
 [3.1086e-02, 3.7297e-08, 4.5440e-03],  
 [2.6957e+00, 1.9413e-03, 1.5083e-01],  
 [1.1245e-01, 9.4227e-06, 1.4510e-02],  
 [1.0013e+00, 3.8733e-05, 1.1430e-01],  
 [1.1131e+02, 1.0109e+00, 3.2090e+00],  
 [8.6768e+01, 9.6188e-01, 2.9774e+00],  
 [7.4185e-01, 4.9092e-04, 1.0221e-01],  
 [1.4555e+01, 3.6236e-02, 6.3825e-01],  
 [2.9707e-01, 5.3003e-05, 3.2478e-02],  
 [1.6724e+01, 1.3399e-01, 1.3729e+00],  
 [1.0268e+01, 2.0625e-02, 6.5177e-01],  
 [7.2410e-02, 4.6955e-06, 9.1939e-03],  
 [4.6657e-01, 1.4783e-04, 5.1479e-02],  
 [1.1306e+00, 2.0398e-04, 8.9777e-02],  
 [2.3699e-01, 3.4695e-05, 2.2408e-02],  
 [2.5680e+01, 5.2866e-02, 1.2579e+00],  
 [1.5488e-01, 2.8807e-06, 1.6905e-02],  
 [1.0143e-01, 1.3234e-05, 1.4934e-02],  
 [6.0163e-01, 2.7228e-05, 4.1319e-02],  
 [1.7498e+01, 1.5120e-02, 5.4487e-01],  
 [4.1011e-02, 1.5904e-07, 5.5130e-03],  
 [1.3950e+02, 4.6321e+00, 3.8058e+00],  
 [5.0633e-02, 3.4852e-06, 6.9260e-03],  
 [8.7704e+01, 1.8501e-01, 2.7932e+00],

[1.5605e+01, 8.0539e-03, 6.0383e-01],  
[9.8124e-03, 7.5694e-08, 1.5151e-03],  
[6.4816e+01, 2.7539e-01, 3.6248e+00],  
[2.4124e+01, 9.9604e-02, 1.1663e+00],  
[2.1913e-01, 6.7867e-06, 2.9112e-02],  
[2.0478e+00, 4.7115e-04, 1.3051e-01],  
[1.1278e+02, 3.2761e+00, 4.3850e+00],  
[5.4001e+01, 6.2952e-01, 1.7763e+00],  
[8.8493e-02, 2.2013e-06, 1.2215e-02],  
[4.3407e+01, 3.2113e-01, 1.1685e+00],  
[1.2446e+01, 3.3092e-02, 5.8893e-01],  
[5.7670e+01, 7.6914e-01, 1.9012e+00],  
[8.8070e-03, 9.1125e-08, 1.3406e-03],  
[8.1454e+01, 1.1177e+00, 2.5435e+00],  
[5.2056e-02, 1.5997e-06, 7.6222e-03],  
[8.6350e+01, 1.6205e+00, 2.8535e+00],  
[4.2080e+01, 1.1610e-01, 1.3712e+00],  
[8.4620e+00, 1.5185e-02, 8.5366e-01],  
[2.1268e-01, 3.7811e-05, 2.9896e-02],  
[9.6783e+00, 1.7088e-02, 4.6825e-01],  
[4.5843e-01, 4.6126e-05, 4.0521e-02],  
[1.8754e+00, 2.4699e-03, 2.3400e-01],  
[3.1463e+00, 1.0964e-03, 1.3525e-01],  
[1.4987e+02, 4.1185e-01, 3.2670e+00],  
[3.5051e+00, 9.3142e-04, 3.4963e-01],  
[3.4327e+01, 3.1735e-01, 1.4728e+00],  
[6.5668e+00, 1.0922e-02, 3.3867e-01],  
[8.8437e-01, 3.0116e-04, 9.8442e-02],  
[1.5146e+01, 6.3891e-03, 1.0389e+00],  
[1.7176e-01, 1.5139e-05, 2.1329e-02],  
[4.3015e+01, 1.6295e-01, 1.2899e+00],  
[1.0596e+00, 2.9550e-04, 1.2001e-01],  
[4.6596e-01, 4.9876e-05, 4.7470e-02],  
[6.3656e-01, 2.8239e-05, 4.6083e-02],  
[4.4405e+01, 2.9335e-01, 1.5697e+00],  
[3.2984e+00, 1.8058e-03, 2.9067e-01],  
[1.0239e+02, 1.1299e+00, 2.0443e+00],  
[1.6943e-01, 1.1229e-05, 1.9654e-02],  
[3.1042e-01, 3.6267e-05, 3.8993e-02],  
[1.6258e-01, 8.5296e-06, 2.1565e-02],  
[1.0102e+00, 1.3487e-04, 9.1931e-02],  
[4.2279e+00, 1.3626e-02, 4.5008e-01],  
[1.4669e-01, 2.3110e-06, 1.9322e-02],  
[1.3510e+00, 2.4873e-04, 1.4608e-01],  
[2.2235e+00, 6.2676e-04, 1.8358e-01],  
[3.9437e-03, 9.5823e-09, 6.1392e-04],  
[1.2818e+01, 8.8441e-02, 1.0511e+00],  
[9.1074e+01, 4.1939e-01, 3.2736e+00],

[3.5065e-01, 3.1845e-05, 3.7919e-02],  
 [2.2005e-01, 2.2031e-05, 2.6567e-02],  
 [8.9220e+01, 1.1316e+00, 2.6358e+00],  
 [1.5894e+01, 2.7498e-02, 9.7041e-01],  
 [8.9996e+00, 1.4119e-02, 4.8245e-01],  
 [1.4709e+00, 3.6248e-05, 1.5105e-01],  
 [5.5492e+00, 9.8698e-04, 2.1385e-01],  
 [7.7332e-01, 3.7847e-04, 8.1751e-02],  
 [8.6524e+01, 1.4143e+00, 3.1178e+00],  
 [4.0194e+00, 6.3366e-03, 3.0833e-01],  
 [1.5606e-01, 7.7174e-06, 1.8547e-02],  
 [7.1864e-01, 3.7306e-04, 9.0681e-02],  
 [2.2765e+02, 1.2334e+01, 4.6820e+00],  
 [7.7769e+01, 1.4440e+00, 2.3883e+00],  
 [1.1420e+01, 3.4555e-02, 5.2825e-01],  
 [4.0497e+01, 6.4359e-03, 1.6216e+00],  
 [2.8547e+00, 6.8023e-03, 3.1501e-01],  
 [5.2847e-02, 1.8191e-06, 7.7219e-03],  
 [5.8202e+01, 1.2084e-01, 3.3171e+00],  
 [2.3974e-01, 4.3992e-05, 2.3072e-02],  
 [1.0990e+02, 1.2392e+00, 2.0519e+00],  
 [2.6312e-02, 2.7802e-07, 3.8789e-03],  
 [5.3746e+00, 6.1981e-03, 4.4255e-01],  
 [1.2285e+00, 1.0224e-05, 9.4167e-02],  
 [1.2553e-02, 7.8806e-08, 2.0030e-03],  
 [1.1843e+01, 1.9875e-02, 1.0452e+00],  
 [9.5542e+00, 1.0937e-01, 1.0699e+00],  
 [1.7755e+02, 1.8715e+00, 2.9971e+00],  
 [4.2369e-01, 1.7593e-04, 5.5462e-02],  
 [9.7118e-02, 9.1190e-07, 1.2067e-02],  
 [5.9123e-02, 2.2535e-07, 8.4572e-03],  
 [4.5017e+01, 6.1610e-01, 1.5526e+00],  
 [8.7764e+01, 1.4274e-01, 3.1569e+00],  
 [1.3517e-01, 1.3356e-05, 1.5793e-02],  
 [4.1339e+00, 3.2418e-03, 2.1115e-01],  
 [2.2619e+00, 4.1349e-03, 2.1113e-01],  
 [2.4786e+00, 3.1314e-04, 1.1715e-01],  
 [2.6256e+00, 5.1590e-04, 1.2709e-01],  
 [4.3872e-01, 4.3557e-05, 5.6425e-02],  
 [4.3633e+00, 2.1513e-03, 2.2063e-01],  
 [3.8835e+01, 6.1561e-03, 1.5398e+00],  
 [9.1578e+00, 4.3144e-03, 3.3971e-01],  
 [1.2072e+01, 1.0434e-02, 1.0260e+00],  
 [5.7831e+01, 9.0680e-02, 1.5475e+00],  
 [2.6659e+01, 1.2053e-02, 1.3994e+00],  
 [1.1261e+02, 2.1838e-01, 2.8437e+00],  
 [6.5322e+01, 1.1690e+00, 2.3839e+00],  
 [1.8789e+02, 3.9409e+00, 4.2303e+00],

[5.8017e-01, 6.5764e-05, 5.7485e-02],  
[4.6008e+01, 4.5886e-01, 1.2823e+00],  
[3.4685e+01, 1.3821e-01, 1.5509e+00],  
[1.6047e+00, 2.3249e-03, 1.8473e-01],  
[5.9964e+01, 3.3150e-01, 2.3325e+00],  
[1.5183e+00, 5.9972e-04, 1.8924e-01],  
[6.9293e+00, 4.9511e-03, 3.6837e-01],  
[1.0218e+01, 3.0775e-02, 6.4811e-01],  
[1.3341e+01, 3.1301e-02, 4.4845e-01],  
[1.5735e-01, 2.7511e-05, 2.1892e-02],  
[1.4790e+00, 1.9309e-03, 1.5937e-01],  
[2.6498e+00, 1.4245e-03, 2.4975e-01],  
[3.4672e+01, 1.0560e-02, 1.9224e+00],  
[5.7284e+01, 2.4326e-01, 1.5113e+00],  
[2.9556e+00, 2.0955e-04, 2.0788e-01],  
[2.9011e-01, 5.4301e-05, 4.1095e-02],  
[2.3764e-01, 6.7988e-06, 3.2990e-02],  
[1.6834e+02, 8.5863e-01, 4.1153e+00],  
[7.9585e-03, 1.5781e-08, 1.2327e-03],  
[1.9293e-01, 1.9378e-05, 2.4056e-02],  
[9.5590e+01, 4.2432e-01, 2.5685e+00],  
[6.6608e+01, 1.3478e+00, 2.8423e+00],  
[1.2344e+00, 1.6813e-04, 1.2447e-01],  
[1.9287e-02, 2.8443e-07, 2.7678e-03],  
[1.6187e+01, 1.1321e-01, 1.0426e+00],  
[3.0357e+00, 7.3474e-04, 1.8922e-01],  
[2.0426e+02, 7.7113e+00, 4.6077e+00],  
[5.7755e+01, 6.1840e-01, 1.8680e+00],  
[8.9539e+01, 8.1360e-01, 2.7101e+00],  
[4.7012e-02, 2.7459e-07, 6.5530e-03],  
[1.4711e+00, 3.6956e-04, 1.1534e-01],  
[2.0071e+02, 3.3338e+00, 4.9678e+00],  
[6.4364e+00, 5.7501e-03, 4.1414e-01],  
[9.0779e-01, 1.7383e-04, 9.7256e-02],  
[3.1990e+00, 4.7773e-03, 3.3806e-01],  
[6.1068e+01, 5.6020e-02, 2.0851e+00],  
[5.2241e-02, 1.4740e-06, 7.4262e-03],  
[6.6561e-02, 3.5378e-07, 9.6521e-03],  
[3.1943e+01, 3.6302e-02, 1.8877e+00],  
[6.7883e+00, 5.7942e-03, 8.0351e-01],  
[1.4822e-01, 1.1946e-05, 1.9301e-02],  
[6.1182e+00, 3.7982e-03, 2.5254e-01],  
[6.3779e+00, 1.3445e-02, 3.5153e-01],  
[2.8995e-03, 2.9541e-09, 4.6058e-04],  
[7.7136e-01, 1.7661e-04, 6.9676e-02],  
[9.2531e+01, 9.5955e-01, 2.6486e+00],  
[1.7758e+01, 2.3403e-02, 1.1064e+00],  
[1.0055e-02, 8.2780e-08, 1.5238e-03],



[8.9335e+01, 1.3735e+00, 2.5674e+00],  
[2.4443e-01, 1.5848e-05, 2.2708e-02],  
[5.1701e-01, 5.0971e-05, 4.4806e-02],  
[8.0221e-01, 5.4247e-04, 8.4296e-02],  
[1.8384e-01, 9.6403e-06, 2.0835e-02],  
[1.3452e+02, 3.7453e-01, 3.7412e+00],  
[3.8262e+00, 1.0183e-03, 1.6211e-01],  
[4.1165e+01, 2.0372e-01, 1.1137e+00],  
[2.9149e-01, 2.3440e-05, 2.7098e-02],  
[2.9937e+01, 1.1089e-01, 1.1745e+00],  
[8.7646e+01, 9.4986e-01, 2.0334e+00],  
[1.4127e+02, 2.1076e-01, 3.6234e+00],  
[2.5892e+01, 9.0794e-02, 7.2344e-01],  
[3.7584e+00, 3.9350e-03, 3.7130e-01],  
[2.7080e+00, 2.2193e-03, 2.4433e-01],  
[9.0887e+01, 9.6220e-01, 2.6028e+00],  
[1.4966e-01, 3.9708e-06, 1.5986e-02],  
[5.4233e+01, 2.6146e-01, 1.3259e+00],  
[2.8593e+02, 2.2066e+00, 4.4789e+00],  
[5.5597e+00, 8.1294e-03, 5.4138e-01],  
[4.1560e+00, 7.3098e-04, 2.5896e-01],  
[4.1762e-01, 3.1183e-04, 5.6077e-02],  
[1.1200e+00, 1.4855e-04, 7.7887e-02],  
[1.5272e-01, 3.4518e-05, 2.1865e-02],  
[1.2719e+00, 4.1166e-04, 1.0290e-01],  
[2.7048e+00, 5.0019e-04, 1.4039e-01],  
[1.4048e+00, 1.3756e-03, 1.8715e-01],  
[2.4940e+00, 1.4183e-03, 1.5957e-01],  
[7.2539e-02, 1.9029e-06, 9.9800e-03],  
[1.1572e+01, 2.0036e-02, 4.6720e-01],  
[4.0365e-01, 2.0253e-05, 5.0027e-02],  
[1.4938e+02, 4.9825e+00, 4.4146e+00],  
[2.3492e+01, 8.5582e-02, 1.4815e+00],  
[3.0568e+00, 1.8950e-03, 3.1702e-01],  
[1.6744e+00, 8.1241e-04, 1.2183e-01],  
[2.2420e-01, 2.0032e-05, 3.0238e-02],  
[1.9624e+01, 6.0616e-02, 6.7238e-01],  
[1.4497e-01, 6.7199e-07, 1.7898e-02],  
[2.4224e+01, 7.3810e-02, 1.6408e+00],  
[6.1848e-01, 4.6357e-05, 7.4182e-02],  
[2.2451e+01, 3.2047e-02, 1.3869e+00],  
[1.3335e-01, 4.4101e-06, 1.9621e-02],  
[1.4922e+01, 1.4310e-02, 4.4098e-01],  
[2.8192e+00, 1.4493e-03, 1.8146e-01],  
[3.6084e+01, 1.9789e-01, 1.1850e+00],  
[3.4233e+01, 2.4729e-01, 1.5605e+00],  
[8.5540e-01, 4.7061e-05, 8.0547e-02],  
[6.1850e-01, 2.6315e-04, 6.2715e-02],

```

[3.7166e+01, 3.7519e-01, 1.0565e+00],
[4.3948e+01, 2.4605e-01, 1.6217e+00],
[1.1340e+01, 7.6814e-03, 4.6828e-01],
[3.1655e+01, 3.0679e-01, 1.0187e+00]], dtype=torch.float64)
Iteration: 273
Inputs: tensor([[5.8966e+20, 6.6270e+01, 1.2731e+01, 7.4191e+00],
[8.5283e+18, 2.9681e+02, 7.9605e+00, 9.4063e+00],
[1.1661e+18, 4.2692e+02, 8.2898e+00, 7.7581e+00],
...,
[1.4961e+18, 3.1232e+02, 1.2040e+01, 1.7226e+00],
[1.3298e+19, 4.6304e+02, 3.3473e+00, 7.9898e+00],
[4.5253e+20, 4.9336e+02, 1.3779e+01, 3.1252e+00]], dtype=torch.float64)
Target: tensor([[3.2666e+01, 3.9800e-01, 2.3073e+00],
[3.7487e+00, 3.5051e-03, 2.1785e-01],
[3.2064e-01, 2.8286e-05, 2.7452e-02],
[1.3295e-01, 2.0884e-06, 1.6199e-02],
[1.0182e+02, 8.0924e-01, 2.5925e+00],
[1.8534e+00, 2.9116e-04, 1.0039e-01],
[6.8835e+00, 1.1808e-02, 3.2842e-01],
[8.9214e+00, 5.5660e-02, 7.4129e-01],
[1.0036e+00, 2.5081e-04, 8.4501e-02],
[9.6856e-02, 4.9030e-06, 1.1969e-02],
[8.8437e-01, 4.2667e-04, 1.0934e-01],
[1.5455e+01, 3.0615e-02, 1.0261e+00],
[1.4372e+02, 3.4287e+00, 4.1880e+00],
[5.5944e-01, 6.0151e-05, 4.9416e-02],
[3.0028e-01, 2.9404e-05, 3.1891e-02],
[3.1080e-02, 1.9852e-07, 4.5942e-03],
[3.1467e-02, 3.7659e-07, 4.3389e-03],
[5.7960e-01, 2.8042e-05, 7.1565e-02],
[2.3635e-01, 1.1644e-05, 2.7315e-02],
[8.1618e-02, 1.6182e-06, 1.1349e-02],
[6.4365e+01, 1.9715e-01, 2.3223e+00],
[1.6642e+01, 1.9522e-02, 6.0097e-01],
[1.2377e-02, 1.1418e-07, 1.8864e-03],
[5.2802e-01, 3.0181e-04, 7.1282e-02],
[3.2349e-01, 1.1686e-05, 4.0458e-02],
[1.0458e+01, 4.1477e-02, 5.0488e-01],
[7.5764e+00, 5.8537e-03, 4.4566e-01],
[1.1488e+02, 1.6772e+00, 2.4286e+00],
[1.0210e-01, 1.2490e-06, 1.3629e-02],
[3.0630e+00, 3.0687e-03, 1.8738e-01],
[1.5559e+01, 5.4029e-02, 5.5068e-01],
[9.7976e-01, 3.3245e-04, 7.5066e-02],
[2.9246e+00, 9.0379e-04, 2.6827e-01],
[2.5137e+01, 1.7770e-02, 7.5856e-01],
[5.2712e-01, 1.0365e-04, 4.3407e-02],
[9.6661e-02, 7.0145e-06, 1.2824e-02],

```

[7.6361e-01, 1.4153e-04, 7.3510e-02],  
[8.1297e-01, 2.1382e-04, 9.2544e-02],  
[8.5647e+01, 3.8799e-01, 2.3031e+00],  
[1.6144e+02, 5.8114e+00, 4.3619e+00],  
[4.8853e+01, 3.0310e-01, 2.5165e+00],  
[1.0233e+02, 1.4836e+00, 2.4643e+00],  
[3.4303e+02, 1.6420e+01, 4.9473e+00],  
[1.1290e+02, 1.7478e+00, 3.6753e+00],  
[3.0085e-01, 4.1454e-06, 3.0904e-02],  
[2.5333e+01, 1.6648e-01, 1.0339e+00],  
[2.0466e+01, 3.1131e-02, 1.2346e+00],  
[3.4875e+01, 8.6357e-02, 9.3780e-01],  
[5.2440e+00, 1.0783e-02, 3.5365e-01],  
[5.2527e-01, 1.0197e-04, 6.6949e-02],  
[4.5585e+00, 1.0709e-02, 4.1440e-01],  
[6.0929e+01, 3.9409e-01, 1.3118e+00],  
[2.7230e-01, 3.3804e-05, 3.0946e-02],  
[4.1580e+01, 1.0234e-01, 1.8130e+00],  
[2.2566e-01, 3.7883e-05, 3.0650e-02],  
[1.4607e+02, 4.4054e+00, 3.5730e+00],  
[9.1055e-03, 1.5256e-08, 1.3910e-03],  
[7.4496e+00, 1.6108e-03, 3.1129e-01],  
[2.9248e+00, 1.3924e-03, 2.7435e-01],  
[2.8567e+00, 4.5337e-05, 1.6632e-01],  
[9.9735e-01, 2.0873e-04, 1.2235e-01],  
[2.4468e+00, 1.5750e-04, 1.1425e-01],  
[3.9200e+01, 4.5665e-02, 2.0357e+00],  
[1.1506e+02, 2.0790e+00, 2.7471e+00],  
[2.8271e-03, 2.4024e-09, 4.5330e-04],  
[7.3954e-02, 3.5986e-06, 9.3977e-03],  
[2.1990e+02, 3.4299e+00, 3.7047e+00],  
[1.1684e+01, 1.4970e-02, 1.1301e+00],  
[6.0710e-02, 3.9154e-07, 8.1469e-03],  
[7.3621e+00, 6.3115e-03, 5.2642e-01],  
[1.1251e-01, 8.4432e-07, 1.5087e-02],  
[7.1912e+01, 1.5875e+00, 2.9966e+00],  
[1.0335e+02, 8.0609e-01, 1.8101e+00],  
[1.0606e+01, 4.0785e-02, 5.6497e-01],  
[8.5751e+01, 6.5316e-01, 3.2638e+00],  
[7.5438e+01, 9.2643e-01, 1.9189e+00],  
[2.9001e+01, 7.0591e-03, 8.4001e-01],  
[1.2012e+02, 7.9131e-01, 2.6001e+00],  
[4.1758e+01, 5.2373e-01, 2.0178e+00],  
[3.9096e-01, 3.6532e-05, 4.0482e-02],  
[4.9817e-01, 4.3327e-05, 5.8103e-02],  
[4.6120e+00, 1.4859e-03, 2.5125e-01],  
[9.5727e-01, 2.6719e-04, 7.3647e-02],  
[1.7875e+02, 2.7711e+00, 4.3972e+00],

[4.8020e+00, 3.5822e-03, 2.7892e-01],  
 [4.0574e-01, 5.0929e-05, 4.7689e-02],  
 [5.7197e+00, 8.7404e-03, 4.1889e-01],  
 [3.5054e+00, 8.1371e-03, 2.8474e-01],  
 [2.3463e-01, 1.7559e-05, 2.1711e-02],  
 [4.9346e+01, 4.2341e-01, 1.7872e+00],  
 [1.5766e+00, 7.0762e-04, 1.9240e-01],  
 [6.4099e+01, 1.3311e+00, 1.7523e+00],  
 [4.3623e+01, 7.8555e-02, 2.2235e+00],  
 [1.3511e+01, 6.6380e-02, 6.3242e-01],  
 [8.8816e+00, 1.6100e-02, 5.3329e-01],  
 [1.6879e+02, 4.0774e+00, 3.3170e+00],  
 [1.0738e+01, 3.5836e-03, 5.5366e-01],  
 [7.4632e+01, 8.7292e-01, 2.2731e+00],  
 [4.7462e+01, 2.2045e-01, 2.0068e+00],  
 [2.0915e+02, 4.1492e+00, 4.3557e+00],  
 [1.1280e+01, 6.3983e-03, 3.9225e-01],  
 [1.9682e+00, 7.1618e-04, 1.3622e-01],  
 [2.3268e-01, 2.4300e-05, 2.9321e-02],  
 [4.4842e+00, 1.1282e-03, 2.5806e-01],  
 [3.9327e+00, 7.3105e-04, 2.5511e-01],  
 [3.3416e+01, 3.4193e-01, 1.1771e+00],  
 [1.7576e+02, 1.9592e+00, 3.4643e+00],  
 [1.6859e+01, 1.0440e-01, 6.6335e-01],  
 [8.8984e+01, 1.1783e-01, 2.2111e+00],  
 [1.6822e-03, 8.9589e-10, 2.6911e-04],  
 [1.2761e+00, 1.0364e-04, 9.0298e-02],  
 [5.0102e-02, 3.0704e-06, 7.1243e-03],  
 [3.3946e-02, 1.7278e-06, 5.1957e-03],  
 [1.5048e+01, 3.9607e-02, 8.0321e-01],  
 [5.1735e+01, 2.6571e-01, 2.1211e+00],  
 [1.4886e-02, 1.3968e-07, 2.2602e-03],  
 [1.3055e-01, 2.6159e-05, 1.8951e-02],  
 [1.5034e+02, 1.7196e+00, 4.5094e+00],  
 [2.0346e-02, 6.3211e-07, 3.1798e-03],  
 [9.9006e-01, 2.4298e-04, 8.8502e-02],  
 [5.5426e-01, 5.0084e-05, 3.5631e-02],  
 [1.5769e+01, 3.8349e-02, 1.4413e+00],  
 [5.6492e+01, 7.9505e-01, 3.1280e+00],  
 [1.5239e+02, 4.4248e-01, 3.2039e+00],  
 [3.0447e+01, 1.7726e-01, 8.1971e-01],  
 [4.9727e-01, 2.1129e-05, 5.2864e-02],  
 [1.0745e+01, 4.4894e-02, 7.7233e-01],  
 [8.3957e+01, 1.1577e+00, 2.3164e+00],  
 [8.7351e+01, 2.2163e-01, 2.9652e+00],  
 [6.4000e+00, 1.7903e-02, 4.9781e-01],  
 [5.5717e+00, 6.4375e-03, 3.1829e-01],  
 [1.6968e+00, 8.1187e-05, 1.6193e-01],

[2.0338e+00, 1.0586e-03, 1.8352e-01],  
[1.1135e+02, 1.7385e+00, 2.8772e+00],  
[3.1704e-01, 6.7971e-05, 3.1116e-02],  
[9.9137e+01, 6.5920e-01, 3.4001e+00],  
[5.1949e-01, 1.2757e-04, 5.0220e-02],  
[3.9902e+00, 2.2330e-03, 4.2063e-01],  
[9.1862e+00, 5.6008e-03, 9.2778e-01],  
[4.9343e+01, 1.4627e-01, 1.4597e+00],  
[2.8904e+00, 1.1868e-03, 2.7916e-01],  
[7.7991e+01, 5.9111e-01, 1.7438e+00],  
[4.0470e+00, 2.0994e-03, 1.7778e-01],  
[1.0681e-01, 8.0200e-06, 1.3773e-02],  
[5.0054e-02, 2.9230e-06, 7.4333e-03],  
[3.8979e+01, 1.6694e-01, 1.1615e+00],  
[3.7259e+01, 1.7723e-01, 1.8405e+00],  
[1.1328e+02, 1.1994e+00, 4.1458e+00],  
[7.9822e+00, 1.8530e-02, 6.2800e-01],  
[8.4193e+00, 5.1280e-02, 8.7359e-01],  
[1.0364e-01, 4.7187e-06, 1.2605e-02],  
[2.2448e-01, 2.8883e-05, 3.0702e-02],  
[1.6086e-02, 5.5602e-08, 2.3648e-03],  
[1.3895e+02, 5.8484e-01, 3.3120e+00],  
[3.4887e-01, 7.3339e-05, 4.0096e-02],  
[9.6507e+00, 1.1280e-02, 3.3798e-01],  
[2.4356e+00, 1.5582e-03, 1.5372e-01],  
[6.2648e+01, 7.8386e-01, 1.9712e+00],  
[1.7888e+02, 1.5330e+00, 3.0292e+00],  
[3.4372e+01, 1.0444e-01, 1.3345e+00],  
[2.1210e+00, 1.1217e-03, 1.2426e-01],  
[1.3035e+01, 2.6491e-02, 5.9140e-01],  
[2.6652e-01, 2.3139e-05, 3.4116e-02],  
[2.0699e-01, 8.8581e-06, 2.4189e-02],  
[5.3716e+01, 2.6170e-01, 1.1556e+00],  
[1.6311e+00, 9.0606e-04, 1.2234e-01],  
[1.5928e+01, 1.8532e-02, 1.5884e+00],  
[5.3666e-01, 7.9925e-05, 6.2968e-02],  
[1.8000e+02, 6.5819e+00, 3.7404e+00],  
[1.2260e-01, 7.6449e-06, 1.6959e-02],  
[7.7204e+01, 4.2460e-02, 2.3173e+00],  
[1.2016e+02, 3.0197e+00, 3.3749e+00],  
[2.6954e+02, 3.5983e+00, 4.2045e+00],  
[9.1992e-03, 4.7894e-08, 1.4701e-03],  
[1.5265e+01, 1.2492e-01, 1.1907e+00],  
[1.1307e+00, 2.2402e-04, 1.1583e-01],  
[1.8704e+02, 2.3301e-01, 3.8683e+00],  
[4.7155e-01, 4.0390e-05, 4.0153e-02],  
[2.5620e+01, 2.2751e-01, 8.6041e-01],  
[1.6802e+00, 4.5859e-04, 9.6929e-02],

[1.4286e+01, 7.4788e-03, 6.5686e-01],  
 [5.6454e+00, 7.5799e-04, 2.3407e-01],  
 [4.5962e-01, 2.4841e-04, 5.5387e-02],  
 [2.6498e-01, 5.1028e-05, 3.0504e-02],  
 [1.2216e-02, 4.4156e-08, 1.8083e-03],  
 [3.3625e+00, 8.0941e-04, 1.9565e-01],  
 [2.1646e+00, 2.8620e-04, 1.4785e-01],  
 [9.9919e+00, 3.2658e-02, 4.8836e-01],  
 [3.1128e+00, 1.0876e-03, 2.4302e-01],  
 [1.4696e+00, 3.5444e-04, 1.1806e-01],  
 [4.1996e+01, 8.0932e-02, 2.6174e+00],  
 [5.5617e+01, 7.1025e-01, 1.4951e+00],  
 [1.2733e+02, 1.4438e+00, 3.0245e+00],  
 [6.9965e-02, 3.7672e-06, 9.9886e-03],  
 [2.2334e+01, 1.7027e-02, 1.4793e+00],  
 [4.7998e+01, 3.2725e-01, 2.1612e+00],  
 [2.0878e+01, 3.4664e-02, 6.9762e-01],  
 [3.4876e-01, 2.6300e-05, 4.2445e-02],  
 [1.1268e-01, 5.0486e-06, 1.5486e-02],  
 [8.1523e-03, 3.0661e-08, 1.2718e-03],  
 [5.1343e+01, 1.9273e-01, 1.5434e+00],  
 [1.5640e+00, 1.7601e-04, 1.5961e-01],  
 [1.4689e+01, 5.0990e-02, 1.0424e+00],  
 [7.3646e-05, 8.5414e-13, 1.2175e-05],  
 [1.2237e+01, 1.8571e-02, 7.6193e-01],  
 [4.8261e+00, 6.5499e-03, 3.0166e-01],  
 [4.7403e+01, 5.0328e-01, 1.1708e+00],  
 [2.4452e+01, 2.0352e-02, 1.6593e+00],  
 [4.1230e+00, 5.7845e-03, 2.4969e-01],  
 [2.0437e-01, 1.7168e-05, 2.5880e-02],  
 [5.3042e+01, 3.3664e-02, 1.3896e+00],  
 [2.7766e+01, 1.4236e-01, 1.0914e+00],  
 [3.3123e-03, 1.2787e-08, 5.2357e-04],  
 [4.2077e+01, 6.8143e-02, 1.3156e+00],  
 [7.6892e+00, 5.2042e-03, 2.7915e-01],  
 [2.4705e+00, 5.0600e-04, 1.9577e-01],  
 [4.7933e-01, 2.6676e-04, 5.8153e-02],  
 [3.7494e-01, 5.6079e-05, 4.1532e-02],  
 [1.1442e+01, 1.2748e-02, 4.1214e-01],  
 [6.7116e+01, 1.0306e-01, 1.7559e+00],  
 [1.2099e+02, 2.0955e+00, 2.2503e+00],  
 [2.8991e-01, 3.5659e-05, 3.0048e-02],  
 [2.3447e-01, 2.4500e-05, 3.2734e-02],  
 [5.0803e-01, 1.3342e-04, 5.3649e-02],  
 [5.6408e+01, 4.8565e-01, 2.5639e+00],  
 [1.6801e+02, 1.8974e+00, 3.6480e+00],  
 [3.2098e-01, 7.7572e-05, 3.5749e-02],  
 [3.3451e+00, 3.0956e-03, 2.0128e-01],

[2.4747e+01, 2.0244e-02, 8.1778e-01],  
 [1.3479e+01, 2.1237e-02, 5.8913e-01],  
 [2.6355e+01, 2.3274e-01, 1.0006e+00],  
 [1.6599e+00, 8.3889e-04, 1.1601e-01],  
 [1.4603e+01, 2.3169e-02, 5.0236e-01],  
 [3.0010e+00, 3.6383e-03, 2.0840e-01],  
 [1.3914e+00, 1.3435e-03, 1.6363e-01],  
 [1.4758e-03, 3.5890e-09, 2.3677e-04],  
 [1.5591e+00, 5.0192e-05, 1.1650e-01],  
 [1.3848e+00, 6.1738e-04, 1.1678e-01],  
 [4.5563e-01, 6.4615e-05, 3.8840e-02],  
 [4.9721e-01, 1.0712e-04, 5.1046e-02],  
 [1.4640e+02, 2.7620e+00, 3.7511e+00],  
 [6.7026e+00, 1.9715e-02, 3.8349e-01],  
 [1.2897e+02, 3.0301e-01, 2.6900e+00],  
 [5.4713e-01, 5.7200e-05, 4.7077e-02],  
 [1.8254e-01, 4.4332e-06, 2.0102e-02],  
 [1.1165e+00, 5.1907e-05, 8.8102e-02],  
 [2.0907e-03, 2.9701e-09, 3.3588e-04],  
 [8.1172e+00, 1.3725e-02, 6.6000e-01],  
 [1.4413e+01, 3.8308e-02, 8.9454e-01],  
 [7.4798e+01, 7.0101e-01, 1.2713e+00],  
 [4.4925e+01, 5.5836e-01, 1.3331e+00],  
 [8.4893e+00, 2.2352e-02, 4.3430e-01],  
 [1.0906e+01, 3.1495e-02, 8.5023e-01],  
 [7.2619e-01, 1.4289e-04, 5.3213e-02],  
 [1.5514e+01, 3.6945e-02, 6.8046e-01],  
 [5.5310e+01, 2.9973e-01, 2.6069e+00],  
 [2.1646e-02, 7.7399e-08, 3.3479e-03],  
 [6.0442e-01, 3.7692e-04, 7.3699e-02],  
 [9.2954e+01, 3.4289e-01, 3.0625e+00],  
 [1.9164e-01, 3.8970e-06, 2.1894e-02],  
 [6.8041e+01, 3.2516e-01, 2.8872e+00],  
 [2.6554e+00, 2.7023e-03, 2.4853e-01],  
 [3.5576e+01, 3.9294e-01, 1.1342e+00],  
 [4.9215e+01, 1.3616e-01, 1.0924e+00],  
 [8.1038e-01, 6.6937e-05, 8.3085e-02],  
 [5.2431e-02, 2.8698e-07, 7.7048e-03],  
 [6.9936e-02, 6.0167e-06, 9.9167e-03],  
 [1.4636e+01, 1.1248e-02, 4.7509e-01],  
 [7.3172e+01, 7.4234e-01, 2.0105e+00],  
 [2.7627e+01, 3.0652e-01, 1.5295e+00],  
 [3.9791e-01, 1.9220e-06, 3.0786e-02],  
 [4.5204e+00, 1.6097e-03, 2.9704e-01],  
 [7.1066e-01, 9.5344e-06, 7.7610e-02],  
 [4.2218e+01, 2.1203e-01, 2.1851e+00],  
 [1.0655e+02, 1.5572e+00, 3.4687e+00],  
 [8.2930e+00, 2.1281e-02, 4.3655e-01],

```

[2.3557e+01, 1.8794e-01, 1.2566e+00],
[8.4487e-01, 1.0461e-04, 7.8324e-02],
[9.4700e-02, 5.9760e-06, 1.1787e-02],
[1.5824e-01, 9.6900e-06, 1.6788e-02],
[9.2750e+00, 3.6546e-03, 4.7624e-01],
[8.6126e-01, 1.0258e-04, 1.1138e-01],
[3.6095e+01, 1.4187e-01, 8.3503e-01],
[2.5176e-02, 3.3538e-08, 3.6082e-03],
[5.4368e+01, 1.2394e-01, 1.3494e+00],
[2.8137e+00, 1.2731e-03, 2.8420e-01],
[3.0170e+01, 1.1277e-01, 1.0527e+00],
[1.9569e+02, 1.1562e+00, 3.8757e+00],
[8.4103e-01, 3.7809e-05, 9.0070e-02],
[2.7663e+01, 1.2952e-01, 1.3597e+00],
[1.0585e+00, 7.2950e-05, 9.5658e-02],
[3.7352e+01, 1.8840e-01, 1.7081e+00],
[4.1998e-01, 3.8735e-05, 3.8094e-02],
[1.6682e+01, 8.6434e-02, 9.0166e-01],
[3.4658e+01, 9.7059e-02, 1.3690e+00],
[6.6411e+01, 4.3248e-01, 2.4441e+00],
[7.1788e-01, 6.4536e-05, 8.9555e-02],
[7.4266e+01, 2.6995e-01, 2.9887e+00],
[2.9600e+00, 1.7867e-04, 2.2902e-01],
[2.2024e+00, 4.3360e-03, 2.2502e-01],
[1.8109e+01, 2.6101e-02, 1.0889e+00],
[8.5841e-01, 1.4343e-04, 9.4343e-02],
[6.0806e+01, 8.8504e-01, 2.8044e+00],
[3.1797e-02, 4.0388e-08, 4.3392e-03],
[1.7321e-02, 1.0896e-07, 2.5542e-03],
[1.6595e-01, 9.1183e-07, 2.1980e-02],
[3.4543e-01, 2.5930e-05, 2.8777e-02],
[3.1573e-01, 9.7573e-06, 3.6655e-02],
[9.8047e-03, 6.6619e-08, 1.5104e-03],
[7.4194e+00, 6.4628e-03, 6.2164e-01],
[7.1071e+00, 3.0045e-03, 5.6982e-01],
[1.2980e+01, 3.3020e-02, 8.2663e-01],
[5.2333e+01, 3.1194e-02, 1.0697e+00],
[2.2274e+00, 1.8853e-03, 1.8850e-01],
[2.3640e+02, 2.2588e+00, 3.9300e+00],
[8.7899e-02, 7.9614e-06, 1.1104e-02],
[3.1738e+01, 2.1864e-01, 1.1881e+00],
[2.7408e-02, 1.0012e-07, 3.9063e-03],
[1.1868e+01, 1.3350e-02, 3.8740e-01],
[9.7118e+01, 6.1976e-01, 3.1297e+00]], dtype=torch.float64)

```

Iteration: 274

```

Inputs: tensor([[4.9706e+18, 2.2267e+01, 6.3619e+00, 7.0052e+00],
               [3.0014e+20, 2.7975e+02, 3.8796e+00, 3.0628e+00],
               [1.9655e+18, 3.5147e+02, 1.9662e+01, 1.0649e+00],

```



```

...,
[1.6798e+19, 4.5307e+02, 1.2185e+01, 4.3166e+00],
[3.0625e+18, 2.9641e+02, 1.9959e+01, 8.6994e+00],
[5.1143e+19, 1.8478e+02, 9.6921e+00, 1.3760e+00]], dtype=torch.float64)
Target: tensor([[1.9063e-02, 2.5296e-07, 2.9407e-03],
[8.9316e+01, 2.0572e-01, 2.5711e+00],
[9.7065e-03, 1.4120e-08, 1.4922e-03],
[6.5450e+01, 7.2933e-01, 2.8301e+00],
[2.9754e+01, 8.9475e-02, 1.6249e+00],
[5.3949e-03, 5.5005e-08, 8.5714e-04],
[1.6080e+02, 1.1307e-01, 3.3699e+00],
[9.3991e+01, 2.2813e+00, 2.9387e+00],
[1.5252e+00, 7.1293e-04, 1.0991e-01],
[1.8815e+01, 1.7555e-02, 1.0497e+00],
[4.9537e+01, 2.9481e-01, 1.9499e+00],
[1.7984e+02, 4.0988e+00, 2.9851e+00],
[4.2581e-02, 5.3285e-07, 6.2899e-03],
[5.2185e+01, 4.9062e-01, 2.2599e+00],
[3.3138e+00, 1.1098e-02, 3.1592e-01],
[7.6868e+01, 6.6974e-01, 1.4790e+00],
[7.4014e+01, 3.2798e-01, 3.3769e+00],
[1.1014e+02, 1.1080e+00, 3.0684e+00],
[7.2941e+00, 2.4613e-02, 5.2498e-01],
[1.4173e-02, 4.2095e-08, 2.2681e-03],
[3.4967e+00, 7.4320e-03, 4.0174e-01],
[1.4455e+00, 7.2397e-05, 1.3321e-01],
[1.3554e+02, 1.8253e+00, 3.9678e+00],
[9.2798e-01, 1.8225e-04, 7.6947e-02],
[4.2697e+00, 4.2658e-04, 3.3245e-01],
[1.5153e+02, 1.0513e+00, 2.8295e+00],
[5.9634e+00, 8.6650e-03, 4.4526e-01],
[2.1732e-02, 6.6770e-08, 3.1964e-03],
[2.1272e+01, 1.6662e-02, 1.1490e+00],
[3.1078e+00, 4.8006e-03, 3.2628e-01],
[1.5110e+00, 1.0368e-03, 1.3575e-01],
[2.0683e+00, 8.6220e-04, 1.8925e-01],
[1.6858e-01, 6.4318e-06, 2.0675e-02],
[3.5365e+00, 5.0895e-03, 2.5059e-01],
[2.8648e+01, 8.6387e-03, 8.4648e-01],
[2.8312e+01, 7.4508e-02, 1.5627e+00],
[4.4967e+00, 5.4599e-03, 4.7109e-01],
[8.3332e+01, 2.7395e+00, 3.7873e+00],
[2.4149e+01, 2.5829e-02, 1.0627e+00],
[3.5903e-01, 7.7289e-05, 3.8774e-02],
[1.6728e+00, 2.6639e-04, 1.4479e-01],
[3.3625e+01, 6.0284e-02, 1.2226e+00],
[1.0348e+00, 3.6536e-05, 9.0890e-02],
[2.9513e+00, 1.6848e-04, 2.5183e-01],

```

[2.0939e-03, 1.6164e-09, 3.3983e-04],  
 [5.3760e+00, 2.1154e-02, 4.1695e-01],  
 [3.8970e-01, 2.3037e-05, 4.0930e-02],  
 [8.5394e-01, 9.8575e-05, 8.3912e-02],  
 [2.6599e+00, 2.5288e-03, 2.2896e-01],  
 [5.6217e+00, 3.4140e-03, 2.0240e-01],  
 [1.7669e+00, 9.3145e-04, 1.6109e-01],  
 [7.0605e+00, 1.0024e-02, 4.3482e-01],  
 [7.1227e+00, 1.0397e-02, 4.9021e-01],  
 [7.2407e+01, 1.8509e-01, 3.1247e+00],  
 [2.9625e+01, 1.3594e-01, 1.6401e+00],  
 [1.2999e+02, 3.1585e-01, 2.6096e+00],  
 [6.4692e-01, 2.1424e-04, 7.0210e-02],  
 [3.4510e+01, 6.3523e-01, 1.9000e+00],  
 [6.9911e-01, 2.2763e-04, 6.6855e-02],  
 [1.7313e+00, 1.2556e-03, 1.2673e-01],  
 [9.5221e+00, 5.6999e-02, 9.1209e-01],  
 [4.2801e+01, 6.0238e-01, 1.3828e+00],  
 [9.5334e+00, 1.1937e-02, 5.8709e-01],  
 [1.1263e+01, 1.5912e-02, 9.2385e-01],  
 [3.0957e+01, 3.3939e-01, 1.1392e+00],  
 [3.4028e+01, 3.8766e-02, 1.5201e+00],  
 [4.0131e+00, 3.1798e-03, 3.5981e-01],  
 [1.4423e+00, 9.6339e-05, 1.9625e-01],  
 [2.1695e+01, 1.8412e-01, 1.0242e+00],  
 [2.2856e+01, 3.8751e-02, 1.3606e+00],  
 [1.6868e-02, 5.3824e-07, 2.5382e-03],  
 [1.2151e+01, 4.9375e-03, 4.3078e-01],  
 [7.1296e+00, 7.0065e-03, 7.5354e-01],  
 [3.6508e-01, 6.8877e-06, 4.8648e-02],  
 [6.6610e-01, 3.5639e-04, 8.6324e-02],  
 [3.1631e+01, 3.2978e-01, 1.8571e+00],  
 [6.9235e-02, 1.6183e-06, 9.1121e-03],  
 [1.1609e+02, 1.5016e+00, 2.1463e+00],  
 [1.0390e+01, 5.5068e-03, 3.3886e-01],  
 [1.8501e+01, 1.5116e-01, 9.8739e-01],  
 [9.8085e+01, 3.1485e+00, 3.2795e+00],  
 [3.6359e+01, 3.4627e-02, 7.9409e-01],  
 [8.5193e-02, 3.1462e-06, 1.0148e-02],  
 [2.1775e+00, 2.8591e-04, 1.8849e-01],  
 [5.2506e+00, 3.3050e-03, 3.4567e-01],  
 [3.4698e+00, 2.9917e-03, 2.2518e-01],  
 [3.7628e-02, 1.4476e-06, 5.0265e-03],  
 [2.7082e+01, 1.3780e-01, 9.2306e-01],  
 [8.7510e+01, 1.0080e+00, 1.9126e+00],  
 [4.4846e+01, 9.1210e-02, 1.6619e+00],  
 [1.5587e+02, 3.0699e+00, 4.0689e+00],  
 [1.3487e+01, 2.9962e-02, 8.0098e-01],

[1.7884e+02, 7.1797e+00, 4.5547e+00],  
 [2.9222e-02, 1.2384e-06, 4.3667e-03],  
 [1.5947e+02, 5.9811e-01, 4.2209e+00],  
 [9.5112e-01, 4.2827e-04, 8.9442e-02],  
 [3.2511e+02, 2.7531e+00, 4.9626e+00],  
 [8.5686e-01, 1.2130e-04, 1.1035e-01],  
 [3.6626e+01, 1.7677e-02, 8.6787e-01],  
 [1.4750e+02, 6.9724e-01, 4.2909e+00],  
 [6.2004e+01, 2.1308e-01, 1.5582e+00],  
 [8.3755e-01, 1.8960e-04, 7.9492e-02],  
 [5.0755e+00, 6.3483e-04, 3.4252e-01],  
 [6.1718e+00, 4.1844e-03, 4.3525e-01],  
 [1.2284e+01, 1.8473e-02, 4.4428e-01],  
 [7.6612e+01, 1.1332e+00, 1.9441e+00],  
 [8.4870e-01, 9.2720e-05, 7.2285e-02],  
 [6.2532e+00, 6.3051e-03, 3.0241e-01],  
 [5.3334e+00, 1.3803e-03, 2.9751e-01],  
 [4.9051e-01, 1.3600e-05, 3.6480e-02],  
 [5.7202e+00, 1.0917e-02, 3.0134e-01],  
 [6.1461e-01, 5.8476e-05, 6.1249e-02],  
 [6.3604e-01, 2.0453e-04, 7.3768e-02],  
 [2.6389e+00, 2.9022e-04, 2.3414e-01],  
 [6.3742e+00, 3.3531e-03, 4.0311e-01],  
 [3.7446e+01, 7.9238e-02, 1.0088e+00],  
 [9.3191e+01, 2.4339e+00, 3.3191e+00],  
 [2.2578e+01, 4.0814e-02, 1.0999e+00],  
 [9.1035e+00, 8.3396e-03, 5.7249e-01],  
 [2.4687e+01, 1.0921e-01, 9.2049e-01],  
 [5.4816e+00, 8.4207e-03, 3.1852e-01],  
 [1.4316e-02, 1.9426e-07, 2.1392e-03],  
 [3.3418e+00, 1.7713e-03, 2.5064e-01],  
 [6.3679e-03, 3.2662e-08, 9.9862e-04],  
 [2.7149e+01, 3.4510e-02, 1.9145e+00],  
 [5.3482e-01, 7.0452e-05, 6.1511e-02],  
 [4.8129e-01, 6.0730e-05, 4.7765e-02],  
 [5.0076e-01, 6.3138e-05, 5.1992e-02],  
 [7.1676e+01, 2.9527e-01, 2.1461e+00],  
 [1.0365e-03, 2.4126e-10, 1.6908e-04],  
 [8.2258e-01, 3.4393e-04, 9.7291e-02],  
 [4.3121e-01, 4.1644e-05, 4.1717e-02],  
 [2.1453e-01, 3.2094e-05, 2.2907e-02],  
 [9.4260e+01, 1.8550e+00, 3.7996e+00],  
 [9.5794e+01, 3.3639e-02, 1.9291e+00],  
 [1.2742e+01, 3.7641e-02, 5.5910e-01],  
 [1.5595e+01, 5.8330e-02, 6.5776e-01],  
 [2.3024e+01, 4.8655e-02, 5.5453e-01],  
 [1.3887e+01, 3.2486e-02, 9.2945e-01],  
 [7.8715e+01, 5.0755e-01, 3.0537e+00],

[6.8887e+01, 7.2326e-01, 2.7200e+00],  
 [2.1204e+00, 1.7969e-03, 1.8909e-01],  
 [1.7386e+00, 1.0178e-04, 1.1874e-01],  
 [8.3185e+00, 1.8694e-02, 6.5455e-01],  
 [1.5340e+00, 2.3694e-03, 2.1033e-01],  
 [2.5725e+00, 1.7644e-03, 1.9904e-01],  
 [1.0231e+01, 1.6600e-02, 6.9240e-01],  
 [7.3454e+01, 7.7389e-01, 2.3847e+00],  
 [2.4428e+02, 2.4920e+00, 3.7909e+00],  
 [7.7755e+00, 1.0410e-02, 4.2499e-01],  
 [3.6912e-01, 2.2609e-05, 4.4919e-02],  
 [5.0556e+00, 3.4491e-03, 3.4007e-01],  
 [9.2136e+01, 3.1876e-01, 2.3460e+00],  
 [9.4528e-01, 2.8907e-04, 9.9556e-02],  
 [4.4766e+00, 4.6798e-03, 2.2505e-01],  
 [3.2590e+01, 1.8869e-01, 1.1085e+00],  
 [1.6174e-01, 2.3226e-05, 2.1225e-02],  
 [4.5801e+01, 2.9806e-01, 1.4769e+00],  
 [2.4828e+01, 1.2803e-01, 8.6571e-01],  
 [5.7661e+01, 9.2576e-02, 1.2976e+00],  
 [1.4136e-01, 1.9132e-05, 1.6249e-02],  
 [3.1993e-01, 3.1216e-05, 3.4724e-02],  
 [1.9208e-01, 1.9287e-05, 2.3131e-02],  
 [4.8314e-01, 6.1645e-05, 4.3972e-02],  
 [5.5286e+01, 5.0402e-02, 1.6374e+00],  
 [2.8054e+00, 4.4267e-03, 3.1545e-01],  
 [3.7855e+01, 2.0917e-01, 2.5268e+00],  
 [2.0642e+00, 1.3066e-03, 1.3722e-01],  
 [1.0511e+02, 8.5884e-02, 2.9218e+00],  
 [1.0719e+02, 5.6718e-01, 2.1485e+00],  
 [6.8672e+00, 1.2253e-02, 4.2218e-01],  
 [2.2832e-02, 8.1875e-08, 3.2976e-03],  
 [5.2765e+01, 3.0593e-01, 1.5981e+00],  
 [1.0591e+00, 2.4286e-04, 9.7798e-02],  
 [8.2454e+00, 1.3194e-02, 5.0852e-01],  
 [3.9461e+00, 1.8988e-03, 1.8521e-01],  
 [8.0277e-01, 5.7462e-05, 7.2127e-02],  
 [2.0424e+00, 7.1688e-04, 2.0837e-01],  
 [2.7175e+01, 5.7185e-02, 2.0926e+00],  
 [7.9131e+01, 3.8144e-01, 3.2915e+00],  
 [7.0560e-01, 2.1416e-04, 8.2883e-02],  
 [1.7790e+00, 7.0906e-04, 1.5061e-01],  
 [7.6938e+00, 1.4371e-02, 5.5570e-01],  
 [1.4920e+02, 5.1670e+00, 4.6532e+00],  
 [3.3384e+01, 7.9547e-02, 2.0974e+00],  
 [1.1526e+02, 1.1300e+00, 2.6525e+00],  
 [6.1665e+01, 1.4685e+00, 2.9650e+00],  
 [2.0005e+02, 3.5272e+00, 3.9641e+00],

[8.6271e-01, 2.4199e-04, 9.1707e-02],  
 [1.1570e+02, 2.7611e-01, 2.9296e+00],  
 [1.1339e-02, 2.1262e-08, 1.7301e-03],  
 [8.9968e+01, 5.9221e-01, 2.8142e+00],  
 [5.8038e-02, 2.1732e-06, 7.8915e-03],  
 [7.2156e-02, 3.3857e-06, 9.3150e-03],  
 [2.7185e+00, 6.7538e-04, 1.4052e-01],  
 [3.3188e+01, 1.2463e-01, 1.3049e+00],  
 [8.4452e+00, 1.2455e-02, 3.8370e-01],  
 [2.2366e+02, 4.5160e+00, 4.3626e+00],  
 [1.4453e+01, 1.2800e-01, 1.0227e+00],  
 [1.8252e-01, 2.1645e-05, 1.8902e-02],  
 [1.3798e+02, 1.6154e+00, 2.6786e+00],  
 [1.4988e+01, 3.3549e-02, 9.0932e-01],  
 [4.3286e-01, 6.3164e-05, 3.8824e-02],  
 [9.9348e+01, 3.3677e-01, 3.0862e+00],  
 [1.3512e+00, 6.6918e-04, 1.0324e-01],  
 [2.4179e+00, 2.3045e-03, 2.1965e-01],  
 [3.0583e-03, 1.1710e-09, 4.8395e-04],  
 [9.6947e-01, 1.7178e-05, 6.0039e-02],  
 [1.0593e+00, 3.4912e-04, 1.2068e-01],  
 [1.5325e+01, 7.3809e-03, 1.0023e+00],  
 [3.1956e-02, 5.3266e-07, 4.6183e-03],  
 [1.2503e+00, 1.7784e-04, 8.6996e-02],  
 [2.5316e+01, 2.3684e-01, 8.8693e-01],  
 [9.7215e-01, 3.9602e-04, 9.2259e-02],  
 [3.4369e-01, 5.0649e-05, 4.6574e-02],  
 [3.6046e-01, 4.0043e-05, 4.8308e-02],  
 [8.6888e+01, 9.2206e-01, 4.1311e+00],  
 [7.5807e+00, 6.2906e-03, 3.9964e-01],  
 [3.1207e+01, 2.2665e-01, 1.2829e+00],  
 [8.1870e-02, 8.1087e-07, 1.1189e-02],  
 [1.0479e+00, 1.8150e-04, 8.4246e-02],  
 [8.1595e+01, 1.2189e+00, 2.0813e+00],  
 [1.6871e+01, 9.9134e-02, 1.1469e+00],  
 [5.4904e+00, 1.7092e-03, 4.2248e-01],  
 [1.0071e+02, 2.1563e+00, 2.6340e+00],  
 [6.4859e+00, 1.3962e-02, 4.3979e-01],  
 [1.0009e+00, 2.5385e-05, 8.5446e-02],  
 [7.3328e+00, 2.8182e-03, 3.0492e-01],  
 [2.3506e-01, 7.8708e-06, 2.5105e-02],  
 [6.0071e+01, 2.2469e-01, 2.1515e+00],  
 [8.0827e+00, 2.9343e-02, 5.9305e-01],  
 [1.4381e+00, 1.0603e-03, 2.0034e-01],  
 [4.1744e+01, 3.0005e-01, 1.1677e+00],  
 [2.9376e+01, 8.9562e-02, 9.6657e-01],  
 [4.7437e-01, 6.0051e-05, 5.7390e-02],  
 [1.2945e+01, 1.2151e-02, 6.8113e-01],

[1.8783e-02, 5.2657e-08, 2.8747e-03],  
 [1.4470e+00, 1.2130e-03, 1.6054e-01],  
 [3.4284e+01, 3.7536e-01, 2.0190e+00],  
 [4.8560e-01, 2.2458e-05, 5.4758e-02],  
 [6.4362e+00, 2.6545e-03, 5.2016e-01],  
 [2.9704e-02, 6.4163e-07, 4.1974e-03],  
 [9.5894e+01, 1.5344e+00, 4.0277e+00],  
 [1.0476e+00, 1.9166e-04, 6.6478e-02],  
 [6.7542e+01, 5.6115e-01, 1.6791e+00],  
 [2.9672e+01, 2.1128e-01, 1.0853e+00],  
 [3.3588e+01, 6.1860e-02, 1.2196e+00],  
 [8.0102e+01, 5.6572e-01, 2.2620e+00],  
 [5.7288e+01, 2.7860e-01, 1.9848e+00],  
 [2.6059e+00, 1.1848e-03, 2.0636e-01],  
 [2.0827e+02, 6.3816e+00, 3.7924e+00],  
 [4.1774e-02, 4.0624e-07, 5.7030e-03],  
 [5.2299e+00, 4.4978e-03, 2.6761e-01],  
 [3.1165e+01, 2.3839e-01, 1.0970e+00],  
 [7.7206e+00, 7.2033e-03, 3.8359e-01],  
 [1.7452e-01, 3.7252e-06, 2.2802e-02],  
 [2.3667e+02, 1.6057e+01, 4.9869e+00],  
 [7.5484e+00, 3.6386e-03, 4.5330e-01],  
 [3.2020e-01, 2.0390e-05, 3.7651e-02],  
 [4.4344e+01, 5.7748e-01, 1.5712e+00],  
 [6.5719e-01, 1.0097e-04, 6.7457e-02],  
 [2.4720e+01, 8.8842e-02, 1.7869e+00],  
 [2.9306e-01, 1.7026e-05, 2.5229e-02],  
 [3.8651e+01, 7.9139e-01, 2.1697e+00],  
 [5.2324e-01, 4.0594e-05, 6.1600e-02],  
 [5.7855e+01, 2.7459e-01, 1.3472e+00],  
 [1.4755e+02, 3.6503e+00, 2.7672e+00],  
 [5.1078e+00, 1.2819e-03, 4.2592e-01],  
 [9.8559e+00, 5.5656e-03, 9.4183e-01],  
 [2.6713e+00, 1.3922e-03, 1.8822e-01],  
 [3.0533e+00, 5.8646e-03, 3.9224e-01],  
 [1.6317e-01, 1.2924e-06, 1.7961e-02],  
 [1.6872e-01, 2.3003e-06, 1.9760e-02],  
 [1.0496e+02, 2.8919e+00, 2.5843e+00],  
 [4.3364e-02, 1.5911e-06, 6.2971e-03],  
 [1.9285e+01, 6.2573e-02, 7.0528e-01],  
 [1.0532e+01, 1.1091e-02, 6.4641e-01],  
 [3.3037e-02, 4.6788e-07, 4.6603e-03],  
 [2.5422e+01, 4.9886e-02, 2.0268e+00],  
 [1.6346e+00, 1.1846e-03, 2.0793e-01],  
 [3.8834e+00, 4.3235e-04, 1.7221e-01],  
 [1.2331e+01, 2.1923e-02, 6.0165e-01],  
 [1.0121e+01, 2.5633e-02, 5.6130e-01],  
 [1.5828e+01, 2.5762e-01, 1.6092e+00],

```

[3.3317e+01, 1.7560e-01, 9.0031e-01],
[8.9592e+01, 1.4715e+00, 2.8771e+00],
[1.5222e-01, 8.2891e-06, 1.7939e-02],
[1.8081e-01, 1.6301e-06, 1.9689e-02],
[1.3297e+01, 7.7802e-02, 6.6471e-01],
[1.7856e-01, 6.3084e-06, 2.2462e-02],
[2.9368e+01, 3.1379e-02, 1.8736e+00],
[2.6985e-02, 4.1236e-07, 3.9170e-03],
[1.0820e+01, 8.7659e-03, 9.9159e-01],
[8.1290e+01, 2.8426e-01, 2.3285e+00],
[2.1618e+00, 5.0204e-04, 1.8520e-01],
[2.3178e+00, 3.3296e-03, 2.2288e-01],
[1.0143e+01, 2.6473e-02, 8.7181e-01],
[2.0749e+01, 7.5483e-02, 7.1262e-01],
[1.2748e+02, 2.3781e+00, 3.4960e+00],
[3.5794e+00, 5.2590e-04, 1.6468e-01],
[5.4395e+00, 9.0156e-03, 3.8366e-01],
[1.6276e+02, 3.2463e+00, 3.7582e+00],
[4.4414e+01, 6.9462e-02, 1.9211e+00],
[1.9752e+01, 1.0696e-01, 1.2395e+00],
[2.3353e+02, 3.8718e+00, 5.0152e+00],
[8.1041e-01, 6.9920e-06, 6.7406e-02],
[5.5191e+01, 2.3600e-01, 2.2407e+00],
[1.1220e+02, 1.0912e+00, 2.4515e+00],
[7.6111e-02, 4.8998e-06, 9.3726e-03],
[9.7748e-02, 3.6888e-06, 1.1499e-02],
[8.0009e+01, 5.3955e-01, 1.6749e+00],
[6.2075e-01, 9.4892e-05, 6.3193e-02],
[2.8817e+01, 1.9545e-01, 1.2357e+00],
[7.5312e+01, 1.7304e+00, 1.9518e+00],
[1.6867e+01, 1.4479e-02, 7.0153e-01],
[4.2876e-02, 1.0092e-06, 5.9714e-03],
[2.2232e-02, 6.6225e-07, 3.4894e-03],
[6.4658e+00, 4.8038e-03, 3.5999e-01],
[4.0295e-01, 1.2027e-04, 4.1681e-02],
[3.4550e+00, 7.9387e-04, 3.3970e-01]], dtype=torch.float64)
Iteration: 275
Inputs: tensor([[2.2326e+19, 4.5835e+02, 5.5369e+00, 5.2364e+00],
[1.8361e+18, 9.6474e+01, 1.1507e+01, 8.6971e+00],
[1.2818e+18, 2.8600e+02, 1.3234e+01, 8.5614e+00],
...,
[4.9708e+18, 4.9037e+02, 1.3744e+01, 9.9823e+00],
[1.4981e+19, 8.9749e+01, 7.7941e-01, 5.7191e+00],
[9.0571e+18, 4.0935e+02, 9.2348e+00, 1.9736e+00]], dtype=torch.float64)
Target: tensor([[1.5666e+01, 1.6372e-02, 5.3959e-01],
[4.1963e-02, 1.6847e-06, 5.8526e-03],
[1.4403e-01, 1.2962e-05, 1.5945e-02],
[1.9739e+01, 1.4812e-01, 7.6615e-01],

```

[1.3182e+01, 2.8156e-02, 6.3110e-01],  
 [6.1263e+01, 9.5040e-01, 1.9473e+00],  
 [1.1730e-01, 9.8072e-07, 1.4842e-02],  
 [7.2680e-01, 2.9584e-05, 5.8312e-02],  
 [1.4691e-01, 4.1334e-06, 1.7740e-02],  
 [3.3795e-01, 3.2085e-05, 3.3994e-02],  
 [2.1271e+02, 6.0733e+00, 4.7001e+00],  
 [2.9801e+00, 6.6160e-03, 3.2694e-01],  
 [4.8955e+01, 5.0578e-01, 1.5958e+00],  
 [1.0766e+02, 1.0770e+00, 2.2107e+00],  
 [3.2124e+01, 2.1802e-01, 1.8509e+00],  
 [8.8771e+00, 4.8973e-02, 6.5990e-01],  
 [9.5609e-01, 1.1387e-04, 9.5161e-02],  
 [6.2307e-02, 4.3258e-07, 8.4844e-03],  
 [2.6480e+01, 1.3795e-01, 9.2759e-01],  
 [5.6720e-01, 2.4386e-05, 5.4459e-02],  
 [9.5655e-01, 8.9052e-05, 7.6545e-02],  
 [5.4500e+01, 3.2021e-01, 3.0639e+00],  
 [1.5968e+02, 1.9872e+00, 4.0599e+00],  
 [2.1115e+01, 7.6617e-02, 1.1776e+00],  
 [5.4393e+01, 2.5105e-01, 1.5584e+00],  
 [1.2845e+01, 5.6841e-02, 5.3514e-01],  
 [4.1051e+00, 9.3865e-03, 4.9917e-01],  
 [3.2366e-01, 1.3914e-05, 3.9851e-02],  
 [8.4743e+01, 1.6729e+00, 2.3656e+00],  
 [1.3671e-01, 2.6680e-05, 1.9472e-02],  
 [5.5109e+01, 6.0162e-01, 1.7774e+00],  
 [3.6264e-02, 1.7493e-06, 5.4389e-03],  
 [3.7073e-01, 9.1660e-05, 4.1207e-02],  
 [1.1994e+01, 1.4499e-03, 4.9335e-01],  
 [4.8418e+00, 4.7804e-03, 4.9188e-01],  
 [2.0984e-01, 6.3851e-06, 2.0236e-02],  
 [5.1384e+01, 5.6938e-01, 1.4693e+00],  
 [7.2288e-02, 2.6703e-06, 8.9520e-03],  
 [3.4850e+01, 1.4192e-01, 1.3534e+00],  
 [1.8368e+01, 1.7306e-01, 1.2633e+00],  
 [1.4308e+01, 6.1790e-03, 5.4288e-01],  
 [5.3290e+01, 1.0749e-01, 9.9815e-01],  
 [2.3488e-01, 1.1303e-05, 2.5798e-02],  
 [1.1569e+00, 1.4655e-04, 1.2277e-01],  
 [3.2798e+00, 9.1384e-04, 2.0374e-01],  
 [6.9951e-01, 8.1383e-04, 8.9147e-02],  
 [6.8424e+00, 3.7393e-03, 3.1174e-01],  
 [7.5349e-03, 1.3560e-08, 1.2013e-03],  
 [1.3120e+01, 9.3210e-02, 7.3402e-01],  
 [6.0029e+01, 1.7232e-01, 2.0421e+00],  
 [3.1286e+01, 5.9361e-02, 1.7356e+00],  
 [9.6658e+00, 1.3103e-02, 9.4306e-01],



[6.0263e+01, 1.6290e+00, 3.1286e+00],  
 [5.3403e-01, 9.4785e-05, 7.5939e-02],  
 [4.7582e-02, 2.3581e-07, 6.1579e-03],  
 [2.5712e-01, 6.3727e-06, 2.7812e-02],  
 [1.8743e+02, 2.8918e+00, 4.8998e+00],  
 [2.2949e+00, 1.5637e-03, 2.6740e-01],  
 [6.5599e+00, 7.0671e-03, 6.3018e-01],  
 [2.4573e-01, 1.4019e-05, 2.6725e-02],  
 [1.7525e-01, 4.1303e-06, 2.1972e-02],  
 [5.4926e+00, 4.3956e-03, 3.1053e-01],  
 [6.7591e+01, 1.4950e+00, 1.8297e+00],  
 [3.1765e+00, 3.7068e-03, 1.8411e-01],  
 [7.4047e+00, 8.4392e-03, 4.6581e-01],  
 [3.7163e-01, 3.5158e-05, 4.9202e-02],  
 [1.0957e+02, 1.0429e+00, 2.8899e+00],  
 [5.2474e+01, 6.4750e-01, 1.3158e+00],  
 [1.4689e-01, 4.9775e-06, 2.0402e-02],  
 [2.5067e-01, 1.3126e-05, 2.3425e-02],  
 [7.6850e-02, 2.9409e-06, 9.7574e-03],  
 [5.1849e+00, 7.0819e-03, 4.9044e-01],  
 [1.1971e+00, 6.4309e-04, 1.5673e-01],  
 [3.0440e-01, 6.1352e-06, 2.7948e-02],  
 [1.1124e+00, 3.8210e-05, 8.7129e-02],  
 [4.5353e-02, 8.2072e-08, 5.9776e-03],  
 [1.5911e+00, 1.1448e-03, 1.1087e-01],  
 [1.0919e+00, 2.3315e-04, 1.0859e-01],  
 [1.7571e+02, 7.7266e+00, 4.0040e+00],  
 [2.3985e+01, 1.9279e-01, 1.1249e+00],  
 [1.4477e-01, 5.6769e-06, 1.8732e-02],  
 [2.6716e-01, 1.2068e-05, 2.7440e-02],  
 [1.9975e+00, 1.6359e-04, 1.0881e-01],  
 [1.4737e-01, 2.1259e-05, 1.7199e-02],  
 [8.0335e+00, 3.8686e-03, 8.3927e-01],  
 [2.1739e+01, 1.0309e-01, 8.3473e-01],  
 [3.8707e+00, 9.4621e-03, 3.3432e-01],  
 [3.8939e+01, 1.2607e-01, 1.4416e+00],  
 [1.3940e+02, 2.6439e+00, 3.8886e+00],  
 [2.1713e+01, 5.5341e-02, 9.7407e-01],  
 [8.0655e+01, 1.0359e-01, 3.5996e+00],  
 [7.2949e+01, 1.8387e+00, 2.0182e+00],  
 [3.9631e-01, 8.5235e-05, 4.7643e-02],  
 [1.9785e+01, 1.6471e-01, 1.0147e+00],  
 [6.5811e+01, 1.6190e-01, 2.0456e+00],  
 [1.1728e+00, 5.0167e-04, 8.7461e-02],  
 [8.3666e+00, 2.5807e-02, 4.2452e-01],  
 [1.1365e+02, 1.4062e-01, 2.9326e+00],  
 [3.2044e+01, 4.3326e-01, 2.3460e+00],  
 [3.3703e-01, 2.6608e-05, 3.7366e-02],

[1.9433e+01, 3.6774e-02, 6.5505e-01],  
 [9.3388e+00, 2.6806e-02, 5.5762e-01],  
 [5.9244e-01, 2.6598e-05, 4.8687e-02],  
 [1.8838e+00, 1.7682e-03, 1.4931e-01],  
 [2.4063e+00, 1.4401e-03, 1.9380e-01],  
 [1.0291e+00, 5.6639e-04, 1.3162e-01],  
 [6.8043e+01, 3.3567e-01, 3.2449e+00],  
 [2.5543e+00, 2.1006e-04, 1.4810e-01],  
 [2.5283e+00, 7.6051e-04, 1.8153e-01],  
 [2.5495e+00, 4.4486e-04, 2.5439e-01],  
 [1.9562e+02, 6.1365e+00, 3.6562e+00],  
 [8.2267e+01, 2.0389e+00, 2.7791e+00],  
 [1.5420e-01, 5.3442e-06, 1.6921e-02],  
 [4.6799e-01, 1.4949e-04, 5.5843e-02],  
 [3.1703e+01, 2.4440e-01, 1.4132e+00],  
 [1.1531e+00, 4.4552e-04, 1.4156e-01],  
 [9.9546e-01, 3.1115e-04, 9.4377e-02],  
 [1.2076e+02, 4.0038e+00, 3.5461e+00],  
 [1.1550e+00, 4.0120e-04, 1.3010e-01],  
 [2.0757e+01, 4.1275e-02, 1.0901e+00],  
 [2.4923e+01, 1.6431e-02, 1.0007e+00],  
 [5.5355e+00, 2.1021e-02, 5.6329e-01],  
 [1.0108e+00, 2.8379e-04, 1.0941e-01],  
 [2.2635e+01, 1.6966e-01, 8.4908e-01],  
 [6.9780e+01, 1.2840e+00, 2.6674e+00],  
 [4.1114e-02, 1.9715e-07, 5.9723e-03],  
 [1.6646e+01, 6.3467e-02, 7.4946e-01],  
 [1.7637e-01, 9.0602e-06, 1.9972e-02],  
 [1.7142e-01, 3.5267e-06, 2.0889e-02],  
 [4.9107e+01, 2.0894e-01, 1.5114e+00],  
 [7.5622e-04, 2.2528e-10, 1.2302e-04],  
 [1.1207e+01, 2.1060e-02, 8.8698e-01],  
 [2.2072e+01, 2.8981e-02, 1.3725e+00],  
 [2.8630e+01, 2.2171e-01, 1.2511e+00],  
 [5.8899e+01, 4.2552e-01, 1.6901e+00],  
 [1.6536e+00, 4.3244e-04, 1.1458e-01],  
 [6.1387e+01, 3.6127e-01, 2.1217e+00],  
 [1.2937e+01, 5.8099e-02, 7.3071e-01],  
 [1.2419e+01, 1.1240e-02, 7.1853e-01],  
 [9.2960e-01, 2.8492e-04, 9.1027e-02],  
 [1.3402e+01, 8.6658e-03, 5.0109e-01],  
 [9.6370e-01, 5.8510e-04, 9.5694e-02],  
 [2.7027e-01, 1.0058e-05, 2.8605e-02],  
 [5.0950e+00, 7.3087e-04, 4.1840e-01],  
 [2.7595e-02, 2.4086e-07, 3.8920e-03],  
 [4.6281e-01, 6.6163e-05, 4.2220e-02],  
 [5.6449e+01, 2.1470e-01, 2.0658e+00],  
 [4.1431e+01, 6.9599e-02, 1.3789e+00],

[3.4718e-01, 1.4603e-05, 3.2623e-02],  
[6.9655e-03, 1.5774e-08, 1.0783e-03],  
[6.8683e+00, 5.5158e-03, 5.7605e-01],  
[6.0047e-01, 2.4365e-04, 8.3291e-02],  
[3.4564e-01, 1.3519e-05, 4.5337e-02],  
[4.3064e-01, 3.7333e-05, 3.4539e-02],  
[4.4350e+00, 2.0667e-03, 2.4718e-01],  
[1.8575e+00, 3.4255e-04, 1.7952e-01],  
[3.8938e+00, 1.1020e-02, 4.1110e-01],  
[8.0051e-02, 5.0835e-07, 9.6632e-03],  
[4.1057e+00, 3.1171e-03, 3.4456e-01],  
[1.1750e-02, 1.5295e-08, 1.7550e-03],  
[8.2129e+00, 9.6844e-03, 3.8824e-01],  
[8.1288e+00, 1.1149e-02, 6.3481e-01],  
[9.6161e+01, 9.2272e-01, 2.4683e+00],  
[7.0457e+00, 4.9070e-03, 2.3992e-01],  
[4.9150e-01, 5.7386e-05, 5.6312e-02],  
[7.3820e-01, 7.0058e-05, 8.9410e-02],  
[9.2324e-01, 3.3905e-04, 8.1693e-02],  
[1.6128e+01, 1.0674e-02, 4.9549e-01],  
[3.3576e+01, 3.8319e-01, 1.1844e+00],  
[3.4111e-01, 1.5923e-06, 2.9423e-02],  
[2.7920e+01, 2.1034e-02, 9.5244e-01],  
[2.5812e+01, 1.4791e-01, 9.4115e-01],  
[9.2211e-01, 5.9919e-04, 8.4088e-02],  
[1.6721e-01, 1.0324e-05, 2.0125e-02],  
[8.3131e+01, 9.5369e-01, 1.7331e+00],  
[1.1857e+02, 2.1981e+00, 3.6612e+00],  
[1.5665e-01, 1.3593e-05, 1.6306e-02],  
[3.6326e+01, 3.1811e-01, 1.9257e+00],  
[9.8554e-02, 2.0808e-06, 1.2729e-02],  
[6.6859e+01, 7.0300e-01, 2.8806e+00],  
[1.9250e+01, 2.8080e-03, 6.2210e-01],  
[5.3318e+00, 5.0159e-03, 2.7414e-01],  
[1.3306e+00, 3.1412e-04, 1.1348e-01],  
[2.1951e+02, 1.1162e+01, 4.5749e+00],  
[6.4924e+00, 3.8179e-04, 3.2619e-01],  
[5.3299e-01, 1.4065e-04, 4.6958e-02],  
[5.1429e+01, 8.6694e-01, 2.1438e+00],  
[3.4405e-02, 1.2192e-07, 5.0066e-03],  
[1.4225e+02, 4.8700e+00, 3.4981e+00],  
[3.7766e+00, 1.0303e-02, 4.2489e-01],  
[7.9490e+00, 1.3896e-02, 4.0533e-01],  
[3.7070e+01, 4.0900e-01, 1.2791e+00],  
[1.6957e+01, 2.4469e-02, 1.3125e+00],  
[1.4212e-01, 2.0983e-06, 1.5527e-02],  
[2.1070e+00, 1.4095e-03, 2.0944e-01],  
[1.4134e-02, 4.3328e-08, 2.1002e-03],

[1.9839e-01, 1.4764e-05, 2.1649e-02],  
 [4.3860e-01, 7.0032e-05, 5.9360e-02],  
 [4.5254e-02, 4.1662e-07, 6.8818e-03],  
 [1.3638e-03, 1.0738e-09, 2.1863e-04],  
 [7.7381e+00, 9.0796e-03, 6.6522e-01],  
 [1.5148e+01, 1.4603e-02, 6.5905e-01],  
 [4.4246e+01, 2.0399e-01, 1.7536e+00],  
 [4.2132e+01, 3.7783e-01, 1.8957e+00],  
 [2.4925e+01, 6.8306e-02, 2.0391e+00],  
 [3.9612e-01, 5.9760e-05, 5.0471e-02],  
 [4.8651e-02, 8.0897e-07, 6.6620e-03],  
 [2.0902e+00, 9.6010e-04, 2.2263e-01],  
 [1.2163e+01, 1.9484e-02, 1.0646e+00],  
 [1.7119e-01, 1.9295e-05, 2.2464e-02],  
 [3.9262e+01, 1.5768e-01, 8.6429e-01],  
 [4.1107e+00, 3.4075e-03, 3.5395e-01],  
 [7.1612e+01, 1.5415e+00, 2.2479e+00],  
 [1.4009e+01, 1.8792e-02, 7.0423e-01],  
 [3.1450e+01, 9.0987e-02, 1.5617e+00],  
 [1.9787e-02, 1.4549e-07, 2.9379e-03],  
 [1.2869e-01, 4.2009e-06, 1.7538e-02],  
 [1.3296e+02, 8.4635e-01, 3.8169e+00],  
 [2.7801e+00, 1.0081e-03, 1.8787e-01],  
 [5.4284e+01, 7.4851e-01, 1.3418e+00],  
 [1.3179e+02, 5.6118e-01, 3.7667e+00],  
 [4.7406e+00, 1.1190e-02, 3.5894e-01],  
 [2.8431e-01, 6.7569e-06, 3.0285e-02],  
 [1.4267e-01, 2.6842e-06, 2.0240e-02],  
 [9.4930e+01, 1.3655e+00, 2.5237e+00],  
 [2.2060e+02, 7.8665e+00, 4.7976e+00],  
 [2.0363e+02, 8.4062e+00, 4.6986e+00],  
 [5.7168e-01, 6.9443e-05, 6.8788e-02],  
 [1.2765e-02, 4.0314e-08, 1.9811e-03],  
 [8.2856e+00, 8.4069e-03, 4.5529e-01],  
 [1.4696e+02, 4.1773e+00, 2.9722e+00],  
 [2.3453e+01, 7.0860e-02, 8.4065e-01],  
 [1.2398e+01, 5.6624e-02, 7.2445e-01],  
 [2.3575e+01, 1.9095e-01, 1.4180e+00],  
 [5.0072e-02, 3.6867e-07, 6.6575e-03],  
 [1.9117e+01, 7.6945e-03, 9.9147e-01],  
 [3.2257e-01, 1.7164e-05, 4.7978e-02],  
 [2.4388e+01, 1.5261e-01, 7.5474e-01],  
 [5.6519e-01, 5.3561e-05, 7.3988e-02],  
 [1.6576e+01, 4.7908e-02, 5.8063e-01],  
 [3.4335e+01, 2.2228e-01, 9.8086e-01],  
 [9.3960e-01, 9.0194e-05, 1.0839e-01],  
 [5.0254e-02, 3.8165e-07, 7.1254e-03],  
 [1.9792e+00, 3.3552e-04, 1.3641e-01],

[7.0850e-01, 6.7418e-05, 8.3388e-02],  
 [8.0599e+00, 1.7568e-02, 4.8803e-01],  
 [2.3517e+02, 9.3039e+00, 4.7949e+00],  
 [1.7578e+01, 8.3130e-02, 1.4139e+00],  
 [2.5089e-01, 6.8830e-05, 3.0674e-02],  
 [3.0459e+01, 1.0479e-01, 1.1758e+00],  
 [1.3211e+00, 5.9670e-04, 1.5929e-01],  
 [8.3501e+00, 1.6388e-03, 2.8110e-01],  
 [7.5768e+00, 2.0016e-02, 4.3519e-01],  
 [7.8844e+00, 2.0623e-02, 6.3392e-01],  
 [3.0679e+01, 4.5023e-02, 2.2805e+00],  
 [2.1779e+02, 4.0233e+00, 3.9189e+00],  
 [2.0390e+01, 7.7436e-02, 1.7061e+00],  
 [7.6289e+01, 1.2868e+00, 3.4587e+00],  
 [8.3522e+00, 5.2797e-02, 6.2470e-01],  
 [6.9490e-02, 1.9700e-06, 9.5859e-03],  
 [5.5756e+01, 3.0329e-01, 1.1038e+00],  
 [2.3289e+01, 5.5504e-02, 1.3108e+00],  
 [1.8503e+02, 1.9864e+00, 3.8975e+00],  
 [3.5059e+01, 1.9254e-01, 1.0475e+00],  
 [5.9004e-02, 2.7809e-06, 7.7910e-03],  
 [1.2147e+01, 2.5310e-02, 6.7607e-01],  
 [1.4088e+02, 7.9432e-01, 4.7039e+00],  
 [4.5267e+00, 2.2295e-03, 5.8427e-01],  
 [7.0415e-01, 1.0746e-04, 4.6265e-02],  
 [9.8744e+00, 4.3437e-02, 7.2216e-01],  
 [9.4240e-01, 4.0373e-05, 6.6318e-02],  
 [3.1830e+00, 1.3007e-03, 4.2615e-01],  
 [7.8611e-01, 6.7723e-05, 1.0128e-01],  
 [1.5436e-01, 7.0383e-06, 1.9352e-02],  
 [4.4622e+01, 4.9968e-01, 1.4947e+00],  
 [6.5813e+01, 6.2271e-01, 2.4004e+00],  
 [2.4484e-03, 5.6699e-09, 3.8719e-04],  
 [1.6094e+01, 8.4975e-03, 4.3874e-01],  
 [2.0962e+01, 4.6274e-02, 1.0538e+00],  
 [1.9513e-01, 6.1371e-06, 1.9748e-02],  
 [1.7042e+00, 2.8328e-04, 1.3359e-01],  
 [2.0757e+02, 8.9016e+00, 4.9483e+00],  
 [1.7557e+01, 3.7404e-02, 5.7362e-01],  
 [4.8188e-01, 3.5931e-05, 4.8235e-02],  
 [4.4149e+00, 1.6349e-03, 1.9891e-01],  
 [2.8286e+01, 2.6850e-02, 1.8587e+00],  
 [3.4703e-01, 5.1627e-05, 4.3139e-02],  
 [1.3581e+02, 1.7261e+00, 2.9995e+00],  
 [2.3204e+00, 1.3094e-03, 1.9870e-01],  
 [1.3145e+02, 3.3622e+00, 3.2700e+00],  
 [1.6205e+02, 2.3264e+00, 3.6819e+00],  
 [2.0323e+01, 2.8791e-02, 1.4779e+00],

```

[5.3637e+00, 1.0377e-02, 4.3990e-01],
[8.5867e+01, 4.0126e-01, 2.4017e+00],
[1.7303e-01, 2.4718e-05, 2.1718e-02],
[5.6512e+00, 5.1362e-03, 5.1794e-01],
[2.9788e+01, 1.8791e-01, 1.1531e+00],
[3.3661e+00, 3.0224e-03, 2.2703e-01],
[4.4099e-01, 6.6248e-06, 4.8581e-02],
[1.3477e+01, 1.5822e-02, 5.6195e-01],
[7.4894e+01, 7.1982e-01, 2.6068e+00],
[1.9743e-01, 1.9377e-05, 2.1735e-02],
[1.4373e-01, 4.0050e-06, 1.5542e-02],
[3.0898e-01, 4.7289e-05, 3.0933e-02],
[3.2554e-01, 3.4991e-05, 2.8930e-02],
[4.7549e-02, 1.3373e-06, 7.0299e-03],
[3.6115e+00, 3.7948e-03, 2.3373e-01],
[1.8479e+00, 7.9233e-04, 1.4583e-01],
[1.5936e+00, 1.0012e-03, 1.6407e-01],
[3.4474e+01, 2.2584e-01, 2.0261e+00],
[9.8708e-04, 4.8918e-10, 1.6016e-04],
[7.1972e+00, 4.5437e-03, 3.3404e-01],
[1.3041e+02, 3.8010e+00, 2.9030e+00],
[2.1560e+00, 1.1329e-03, 1.7400e-01],
[4.9820e-01, 3.3586e-05, 4.1966e-02],
[5.0257e+01, 1.3272e-01, 1.4801e+00],
[1.2835e+00, 6.8086e-05, 1.4931e-01],
[2.4762e+00, 2.0722e-03, 1.4476e-01],
[3.2813e+00, 9.3826e-04, 2.4836e-01],
[1.5112e+00, 1.3054e-04, 1.3491e-01]], dtype=torch.float64)
Iteration: 276
Inputs: tensor([[4.9207e+19, 1.0088e+02, 7.0329e+00, 3.3618e+00],
[4.1127e+20, 1.0972e+02, 1.9840e+01, 2.3711e+00],
[4.5856e+20, 2.4492e+02, 1.6217e+01, 5.2270e+00],
...,
[1.0688e+20, 3.0738e+02, 5.0206e+00, 1.7960e+00],
[2.3863e+19, 3.9413e+02, 1.2388e+01, 6.2649e+00],
[7.5207e+20, 3.4920e+02, 1.0165e+01, 2.1352e+00]]), dtype=torch.float64)
Target: tensor([[5.4051e+00, 3.5113e-03, 4.5433e-01],
[8.3961e+00, 1.6881e-02, 8.9130e-01],
[6.9322e+01, 8.0057e-01, 2.9023e+00],
[8.8622e-02, 1.0209e-05, 1.2419e-02],
[4.7641e+01, 6.9696e-02, 3.1085e+00],
[1.5901e+01, 1.7956e-02, 5.1001e-01],
[1.6075e+02, 6.2170e+00, 4.3650e+00],
[1.5177e+01, 8.0782e-03, 4.4459e-01],
[2.3593e+01, 3.6339e-02, 7.4550e-01],
[1.9833e+01, 2.7927e-02, 1.3220e+00],
[2.7358e+01, 4.9009e-02, 1.4877e+00],
[3.6731e+01, 1.3505e-01, 1.1283e+00],

```

[1.5834e+00, 7.6798e-04, 1.5439e-01],  
 [6.7033e-01, 4.0650e-04, 7.5935e-02],  
 [5.3723e-02, 9.2346e-07, 7.0558e-03],  
 [6.1716e-02, 1.5846e-06, 7.7122e-03],  
 [4.3636e-02, 5.9168e-07, 5.9407e-03],  
 [4.3891e+01, 1.0707e-01, 1.1782e+00],  
 [1.1376e+02, 7.8825e-01, 2.7482e+00],  
 [6.0482e+01, 5.3797e-01, 2.0683e+00],  
 [1.5275e+02, 1.0119e+00, 4.2143e+00],  
 [2.3022e+01, 1.7764e-01, 1.0539e+00],  
 [6.0340e+01, 4.6483e-01, 1.7196e+00],  
 [1.3251e+02, 1.5665e+00, 3.0958e+00],  
 [5.7584e+01, 1.1181e-01, 3.2053e+00],  
 [4.6873e-01, 1.1276e-04, 4.3244e-02],  
 [1.3154e+00, 5.4187e-04, 1.0073e-01],  
 [3.5183e-02, 4.5815e-07, 4.9248e-03],  
 [1.1210e+02, 3.6575e-01, 3.3862e+00],  
 [1.2225e+02, 4.1436e-01, 3.3529e+00],  
 [1.0092e+00, 1.5250e-04, 6.9854e-02],  
 [1.9928e-01, 3.8868e-06, 2.4281e-02],  
 [7.9660e+01, 6.3877e-01, 2.4572e+00],  
 [1.5349e-03, 1.5677e-09, 2.4526e-04],  
 [1.2549e+01, 1.2676e-02, 5.1345e-01],  
 [3.4353e+00, 1.0800e-02, 4.3777e-01],  
 [1.2327e+02, 3.1128e+00, 3.1916e+00],  
 [1.6637e+01, 4.0302e-02, 1.0013e+00],  
 [2.7138e+01, 1.9592e-01, 1.2177e+00],  
 [2.8523e-01, 3.8276e-05, 3.2407e-02],  
 [1.1280e+00, 5.3364e-04, 1.2108e-01],  
 [2.7461e+00, 8.9719e-04, 3.6468e-01],  
 [1.8437e+01, 4.5967e-03, 8.8896e-01],  
 [3.9806e-01, 5.9749e-05, 4.5994e-02],  
 [2.0045e+02, 8.5201e+00, 3.8865e+00],  
 [8.2581e+00, 2.0068e-02, 4.3684e-01],  
 [1.5880e-02, 3.3482e-07, 2.4210e-03],  
 [1.0045e-02, 1.5002e-08, 1.5107e-03],  
 [1.8343e-03, 1.7204e-10, 2.9272e-04],  
 [1.4801e+00, 8.1577e-04, 1.4313e-01],  
 [7.3598e-01, 1.8364e-04, 6.2275e-02],  
 [2.8223e-01, 4.5182e-05, 3.2159e-02],  
 [8.9575e-01, 3.6610e-04, 1.0503e-01],  
 [6.7824e+01, 1.4635e+00, 2.4499e+00],  
 [5.0696e+00, 4.4912e-03, 2.6727e-01],  
 [6.9472e+01, 6.5880e-01, 1.7484e+00],  
 [2.6463e+01, 2.2028e-01, 1.3488e+00],  
 [1.0298e+02, 2.0729e+00, 3.0924e+00],  
 [1.4619e+02, 3.8513e+00, 3.7001e+00],  
 [3.7167e+01, 1.3899e-01, 1.8795e+00],

[5.8291e+01, 4.2977e-01, 1.2967e+00],  
 [4.9311e+01, 5.7043e-01, 2.2699e+00],  
 [6.8950e+01, 1.1366e+00, 2.3778e+00],  
 [1.2214e-01, 5.9824e-06, 1.3801e-02],  
 [9.5890e-02, 2.7205e-06, 1.2680e-02],  
 [3.0070e+01, 5.7118e-02, 7.2637e-01],  
 [4.3911e+00, 1.9334e-03, 2.6655e-01],  
 [1.8556e+01, 3.9266e-02, 6.2424e-01],  
 [9.1039e+01, 8.6931e-01, 3.3909e+00],  
 [1.2869e-01, 9.0848e-06, 1.5302e-02],  
 [2.6967e-01, 1.2383e-05, 2.5967e-02],  
 [7.2965e-02, 1.4327e-06, 9.2013e-03],  
 [1.5558e+01, 4.8167e-02, 7.1607e-01],  
 [5.0467e-01, 3.7397e-05, 4.3981e-02],  
 [6.5947e+01, 7.5660e-01, 2.2723e+00],  
 [1.6028e+01, 2.1943e-02, 8.5462e-01],  
 [2.9140e+02, 1.1150e+01, 4.8719e+00],  
 [2.8262e-01, 4.5214e-05, 3.0720e-02],  
 [4.0271e+00, 7.6034e-04, 3.2495e-01],  
 [1.1673e+01, 1.8831e-02, 5.1109e-01],  
 [2.3136e+01, 1.3525e-01, 9.5721e-01],  
 [1.3277e-01, 5.3809e-06, 1.5480e-02],  
 [1.1509e+00, 3.9399e-04, 7.6929e-02],  
 [1.3481e+01, 3.7976e-02, 6.2065e-01],  
 [8.7900e-01, 9.9598e-05, 5.6210e-02],  
 [1.9814e+00, 1.3412e-04, 1.2467e-01],  
 [5.6913e+00, 3.6182e-03, 3.9371e-01],  
 [2.0332e+01, 5.3960e-02, 1.2976e+00],  
 [1.4035e+00, 1.0606e-03, 1.6327e-01],  
 [2.4476e+00, 6.3273e-03, 2.5433e-01],  
 [4.2202e+01, 1.3354e-01, 1.0992e+00],  
 [4.0743e+00, 2.8762e-03, 3.7474e-01],  
 [1.4183e+02, 2.9970e+00, 3.0893e+00],  
 [5.6114e+01, 6.0147e-01, 1.8959e+00],  
 [7.5077e-01, 6.8393e-05, 6.5495e-02],  
 [2.2663e-01, 3.1113e-05, 2.7030e-02],  
 [1.3904e+00, 2.3766e-04, 1.6426e-01],  
 [3.5283e+00, 5.8072e-03, 2.4798e-01],  
 [1.0720e+01, 1.0070e-02, 7.0287e-01],  
 [8.6750e+01, 1.3625e+00, 2.9812e+00],  
 [2.7669e+01, 2.2329e-02, 1.4541e+00],  
 [2.0897e+00, 1.3924e-03, 1.7149e-01],  
 [1.1213e-01, 3.5304e-06, 1.4859e-02],  
 [2.7898e+01, 8.6969e-02, 2.1191e+00],  
 [1.2311e+01, 1.1829e-02, 7.3048e-01],  
 [6.7217e-01, 1.9896e-04, 5.7467e-02],  
 [6.7715e-01, 1.8553e-04, 6.0050e-02],  
 [1.7614e+00, 2.0590e-04, 1.4678e-01],



[2.0482e+01, 9.2757e-02, 9.5320e-01],  
[8.2117e-01, 3.2743e-04, 7.7140e-02],  
[3.1644e+01, 1.2062e-01, 7.9505e-01],  
[3.0695e-02, 5.1576e-07, 4.3084e-03],  
[6.9605e+01, 1.1493e+00, 2.5758e+00],  
[3.3877e+00, 2.7121e-03, 2.5890e-01],  
[1.1160e+01, 1.2201e-02, 3.9329e-01],  
[3.8157e+00, 2.5610e-04, 2.1647e-01],  
[8.7061e+01, 2.3784e+00, 3.6200e+00],  
[1.0280e+01, 9.6600e-02, 8.5183e-01],  
[2.0546e+02, 5.6499e+00, 4.6034e+00],  
[2.4151e+01, 2.2430e-01, 8.9330e-01],  
[5.7123e-03, 3.3047e-08, 8.9635e-04],  
[2.6640e+01, 2.6674e-02, 2.1566e+00],  
[3.5281e-02, 2.7867e-07, 5.1490e-03],  
[4.5758e+01, 3.7227e-01, 1.0979e+00],  
[2.6964e+00, 1.2697e-03, 2.5671e-01],  
[1.0096e+01, 1.2914e-02, 3.4710e-01],  
[4.8541e+01, 1.0117e+00, 2.2834e+00],  
[2.2412e+00, 1.0718e-03, 1.7687e-01],  
[3.7214e-01, 3.3189e-05, 4.3597e-02],  
[9.9896e+00, 9.4313e-03, 9.7013e-01],  
[1.8649e+00, 8.4669e-04, 1.4030e-01],  
[1.3783e+02, 9.3733e-01, 3.4069e+00],  
[3.1134e+00, 8.0317e-04, 2.0398e-01],  
[1.3879e+00, 3.5619e-04, 1.1670e-01],  
[6.9295e+01, 1.0501e+00, 2.0827e+00],  
[1.1117e+01, 1.3900e-02, 3.8327e-01],  
[1.0837e+02, 1.8788e+00, 3.7851e+00],  
[3.6616e+01, 3.0481e-01, 1.1874e+00],  
[1.1275e+01, 4.8328e-02, 7.6815e-01],  
[3.6940e+00, 6.6788e-04, 2.2959e-01],  
[2.2049e+01, 1.6479e-01, 9.3508e-01],  
[2.5350e+01, 1.4326e-02, 7.5107e-01],  
[1.2218e-01, 1.6704e-05, 1.7889e-02],  
[1.8525e+01, 3.0292e-02, 6.4195e-01],  
[9.4604e-01, 4.0475e-04, 8.8690e-02],  
[1.0002e-01, 2.9942e-06, 1.4693e-02],  
[1.9292e-01, 5.3773e-06, 1.9264e-02],  
[1.0803e+02, 1.3078e-01, 3.3545e+00],  
[9.6107e+01, 2.8207e+00, 3.2256e+00],  
[5.4642e-02, 4.1866e-07, 7.7727e-03],  
[1.5909e+02, 3.1799e+00, 3.5386e+00],  
[3.3314e-03, 2.1357e-09, 5.2847e-04],  
[9.5349e+01, 7.6506e-01, 3.7442e+00],  
[2.2185e+01, 1.0927e-01, 9.3916e-01],  
[5.1071e-01, 4.7824e-05, 6.1678e-02],  
[3.1332e-01, 2.3260e-05, 3.3168e-02],

[9.1266e+01, 9.0813e-01, 3.3135e+00],  
 [7.3129e+01, 9.2271e-01, 2.5697e+00],  
 [2.7315e-01, 4.1451e-05, 3.4070e-02],  
 [1.8898e-01, 2.2870e-06, 2.0179e-02],  
 [1.5723e+00, 4.7140e-04, 1.0659e-01],  
 [1.2785e+00, 7.6523e-04, 1.2250e-01],  
 [1.2863e+01, 2.0147e-02, 1.3011e+00],  
 [7.7012e+01, 1.0738e+00, 2.4955e+00],  
 [3.2908e+01, 9.2608e-02, 1.2837e+00],  
 [7.0219e+00, 3.2395e-03, 4.8612e-01],  
 [2.0976e-01, 2.6238e-06, 3.0830e-02],  
 [9.4486e+00, 1.1236e-02, 6.3215e-01],  
 [8.6299e+01, 5.6964e-01, 3.7042e+00],  
 [7.1177e+01, 1.8188e-01, 2.5237e+00],  
 [1.1187e+02, 3.4514e+00, 3.0104e+00],  
 [6.5042e-01, 2.7269e-04, 5.9716e-02],  
 [2.4749e+01, 1.8402e-01, 8.4708e-01],  
 [3.8131e-01, 9.8105e-05, 5.3543e-02],  
 [2.2788e-01, 1.2895e-05, 2.7668e-02],  
 [2.8133e-01, 8.7057e-06, 3.2903e-02],  
 [1.9591e+01, 9.3252e-03, 8.9635e-01],  
 [2.0256e+00, 5.1661e-04, 1.3772e-01],  
 [6.9183e-02, 1.1222e-06, 9.4583e-03],  
 [2.6719e+01, 1.6166e-01, 1.1387e+00],  
 [4.2601e+00, 4.9607e-03, 2.4711e-01],  
 [6.9737e-02, 2.6507e-06, 9.6489e-03],  
 [6.1268e+01, 5.9999e-01, 1.9703e+00],  
 [1.4153e+02, 3.5791e+00, 3.0205e+00],  
 [2.6474e-01, 6.6169e-06, 2.7399e-02],  
 [3.3330e+00, 1.8596e-03, 2.5111e-01],  
 [6.3431e+01, 4.0685e-01, 3.0767e+00],  
 [1.0787e-01, 5.6183e-06, 1.5701e-02],  
 [1.5010e+00, 7.4836e-04, 1.0820e-01],  
 [3.8072e+01, 5.4171e-01, 2.3288e+00],  
 [2.7070e+01, 9.7938e-02, 8.7766e-01],  
 [5.0592e-01, 9.0441e-05, 5.7791e-02],  
 [3.9254e-01, 6.7484e-05, 3.9714e-02],  
 [2.4226e+01, 6.1791e-02, 8.0904e-01],  
 [6.1065e+00, 2.5232e-03, 4.8969e-01],  
 [4.8697e-01, 5.2195e-05, 4.3823e-02],  
 [2.2928e+00, 2.0613e-03, 1.8916e-01],  
 [1.9653e+01, 6.9385e-02, 6.5484e-01],  
 [4.6330e+00, 4.2552e-03, 2.7292e-01],  
 [1.2404e+02, 5.0241e+00, 3.7901e+00],  
 [2.0842e+00, 9.0335e-04, 1.6869e-01],  
 [1.4905e+01, 4.2173e-02, 5.7919e-01],  
 [6.0152e-01, 4.4819e-05, 4.6737e-02],  
 [4.6144e+01, 6.8735e-01, 1.7643e+00],

[1.7915e+02, 5.7686e+00, 4.2925e+00],  
 [2.6433e+01, 2.2490e-01, 1.7982e+00],  
 [5.4979e+00, 1.7369e-03, 2.2219e-01],  
 [6.4165e-01, 9.7022e-05, 9.0870e-02],  
 [7.2410e-03, 5.1027e-09, 1.1161e-03],  
 [1.5614e-03, 5.3995e-10, 2.4966e-04],  
 [1.2343e+01, 8.1226e-02, 7.8544e-01],  
 [4.5647e+01, 1.9782e-01, 1.2614e+00],  
 [3.4803e-03, 1.3854e-08, 5.4717e-04],  
 [7.0671e-01, 1.5457e-04, 6.0815e-02],  
 [2.9500e+00, 1.6698e-03, 1.7188e-01],  
 [8.5607e+01, 3.7777e-01, 4.0753e+00],  
 [3.7210e+00, 6.1464e-03, 3.5422e-01],  
 [3.5949e+00, 2.8305e-03, 2.0829e-01],  
 [3.8981e-01, 1.3329e-05, 4.0573e-02],  
 [5.4463e-01, 5.6034e-05, 7.2674e-02],  
 [1.1251e+01, 4.0576e-02, 5.3728e-01],  
 [1.7366e+01, 2.0733e-02, 1.2134e+00],  
 [6.4195e+00, 3.1380e-02, 7.0691e-01],  
 [3.9481e-01, 4.0421e-05, 4.4041e-02],  
 [2.4686e+00, 2.8797e-04, 1.9165e-01],  
 [1.0298e+02, 7.8896e-01, 4.3357e+00],  
 [2.7264e+01, 2.2775e-01, 8.8883e-01],  
 [1.0651e+00, 1.3560e-04, 1.0493e-01],  
 [1.1392e+02, 4.7731e+00, 4.0831e+00],  
 [1.1007e+01, 2.1981e-03, 4.8751e-01],  
 [1.6037e+00, 1.9694e-03, 1.9649e-01],  
 [2.8422e+01, 4.0405e-02, 1.4179e+00],  
 [6.6362e+01, 2.5415e-01, 2.1910e+00],  
 [2.3451e+01, 1.0515e-01, 1.3088e+00],  
 [3.3354e+00, 1.7095e-03, 2.1718e-01],  
 [4.1375e+00, 1.8522e-03, 3.6447e-01],  
 [1.5522e+01, 6.9311e-02, 9.7253e-01],  
 [1.8118e+01, 3.8381e-02, 1.0005e+00],  
 [7.4062e+01, 3.5211e-01, 3.0399e+00],  
 [2.4145e+00, 6.4300e-04, 1.6755e-01],  
 [1.9004e-01, 1.9513e-05, 1.8759e-02],  
 [1.1757e+01, 7.0055e-02, 8.9235e-01],  
 [1.0914e+02, 1.8814e+00, 2.4179e+00],  
 [2.7451e+00, 5.7635e-03, 3.2498e-01],  
 [1.0573e+01, 6.4823e-02, 6.6412e-01],  
 [4.0490e-03, 3.4707e-09, 6.4158e-04],  
 [9.0555e+01, 1.4982e+00, 2.5052e+00],  
 [3.1974e+01, 1.9662e-01, 1.7976e+00],  
 [7.8536e+01, 4.4370e-01, 2.6530e+00],  
 [2.7066e+00, 1.3444e-03, 1.5142e-01],  
 [2.4989e+00, 2.6998e-03, 2.6698e-01],  
 [1.2842e+02, 2.3271e+00, 2.8786e+00],

[7.3281e+00, 1.4310e-03, 3.4789e-01],  
[6.7361e-01, 7.7884e-05, 5.3342e-02],  
[7.6790e-01, 7.4326e-05, 5.9020e-02],  
[1.1156e+00, 5.2217e-05, 8.0635e-02],  
[1.8831e+02, 3.1843e-01, 3.2584e+00],  
[3.3451e+01, 6.0448e-02, 1.5880e+00],  
[1.2418e+02, 5.5774e-01, 3.2888e+00],  
[7.5224e-01, 5.3384e-06, 6.3516e-02],  
[2.4384e+00, 6.8765e-04, 2.3708e-01],  
[4.3941e+00, 8.8328e-03, 4.5275e-01],  
[1.5287e+01, 1.3027e-02, 9.7886e-01],  
[2.6680e+02, 1.1280e+00, 4.1756e+00],  
[1.3865e+01, 4.8291e-02, 9.3027e-01],  
[5.0616e+01, 1.2642e-01, 1.1449e+00],  
[2.5122e+00, 2.0917e-03, 1.8380e-01],  
[1.6867e+02, 1.2848e+00, 4.1745e+00],  
[2.5210e-01, 6.2457e-06, 3.1705e-02],  
[3.2329e+01, 4.0772e-01, 1.6730e+00],  
[4.8865e-01, 6.2610e-05, 5.2403e-02],  
[4.2961e-01, 6.6980e-05, 4.2266e-02],  
[6.4821e+00, 4.1136e-02, 6.3685e-01],  
[3.5677e-01, 2.3212e-05, 3.0098e-02],  
[4.4654e-01, 3.2209e-05, 3.8083e-02],  
[4.0376e-02, 2.2087e-06, 6.0445e-03],  
[5.8047e+01, 6.8964e-01, 1.5449e+00],  
[9.8653e-01, 9.3966e-05, 1.2488e-01],  
[2.0930e+01, 6.4663e-02, 1.4846e+00],  
[3.9205e-03, 7.4070e-09, 6.2277e-04],  
[2.2247e+01, 1.2068e-01, 1.0941e+00],  
[2.3254e-02, 5.8659e-07, 3.5457e-03],  
[3.1781e+00, 2.3662e-04, 2.2298e-01],  
[2.2476e+01, 1.5047e-02, 7.0234e-01],  
[2.3443e+01, 2.4861e-01, 1.2388e+00],  
[3.0713e-03, 5.3886e-09, 4.8170e-04],  
[7.2846e+00, 1.5575e-03, 3.1390e-01],  
[1.3890e+02, 2.1296e-01, 4.6958e+00],  
[9.7043e-01, 1.0051e-05, 8.7938e-02],  
[2.3325e+01, 9.7923e-02, 9.8279e-01],  
[6.0188e-02, 3.1675e-07, 8.6004e-03],  
[2.5599e+00, 2.1298e-03, 2.9973e-01],  
[1.4848e+00, 4.2382e-04, 1.8483e-01],  
[7.6802e-02, 1.7068e-06, 1.0292e-02],  
[3.0569e+01, 1.3314e-01, 2.4562e+00],  
[2.0221e+02, 8.6611e+00, 4.4323e+00],  
[9.4390e+00, 1.0415e-02, 7.6676e-01],  
[2.3371e+00, 1.8578e-04, 1.9888e-01],  
[1.3160e+01, 5.4109e-02, 5.3819e-01],  
[5.5532e+00, 2.4593e-03, 4.1131e-01],

```

[1.3539e+00, 3.0296e-04, 1.0824e-01],
[1.0787e+01, 1.1736e-02, 4.2917e-01],
[1.0969e+02, 1.7315e+00, 1.8954e+00],
[2.6640e+02, 7.5218e+00, 4.2067e+00],
[7.7249e+01, 3.6047e-01, 2.1375e+00],
[4.3276e+00, 7.0158e-04, 2.1908e-01],
[2.4921e+02, 7.0380e-01, 4.6058e+00],
[1.0927e+01, 4.3641e-03, 8.2600e-01],
[2.5069e+00, 2.5914e-03, 1.7214e-01],
[1.6391e+02, 9.8877e-01, 3.0925e+00],
[6.7645e+00, 7.3422e-03, 3.1653e-01],
[2.9542e+01, 2.0382e-01, 1.4102e+00],
[1.9616e+01, 3.1064e-02, 7.9665e-01],
[1.4292e+01, 2.7516e-02, 6.4721e-01],
[4.3302e-01, 5.8840e-06, 5.2177e-02],
[8.5411e+01, 6.1129e-01, 1.7221e+00],
[9.5171e-01, 1.0046e-03, 1.1348e-01],
[3.0465e+01, 1.8401e-02, 1.2949e+00],
[1.0920e+01, 2.0523e-02, 5.0496e-01],
[1.0126e+02, 3.6858e-01, 3.8937e+00]], dtype=torch.float64)
Iteration: 277
Inputs: tensor([[2.4286e+19, 1.1681e+02, 1.4646e+01, 3.6083e+00],
[2.4395e+19, 1.8832e+02, 8.8073e+00, 6.2054e+00],
[4.0897e+20, 4.0453e+02, 4.2266e+00, 7.5707e+00],
...,
[1.9393e+18, 1.4104e+02, 2.5610e+00, 1.5465e+00],
[3.0251e+19, 4.5286e+02, 2.1773e+00, 3.0686e+00],
[1.6436e+20, 5.7771e+01, 1.3766e+01, 7.6290e+00]], dtype=torch.float64)
Target: tensor([[1.0831e+00, 3.8114e-04, 1.2593e-01],
[6.4056e+00, 7.8519e-03, 4.1063e-01],
[1.7334e+02, 2.8506e+00, 3.2078e+00],
[1.0298e+00, 6.2044e-05, 8.4118e-02],
[3.4370e-03, 1.3904e-09, 5.5649e-04],
[2.0319e+00, 2.1507e-03, 2.7374e-01],
[1.6761e+01, 2.7854e-01, 1.5878e+00],
[2.5111e+01, 1.6447e-01, 7.9293e-01],
[9.1901e+00, 1.3031e-02, 1.0026e+00],
[4.9603e-03, 1.4012e-08, 7.7614e-04],
[5.4923e+01, 5.3226e-01, 1.8718e+00],
[3.6921e+00, 1.9414e-02, 4.5102e-01],
[2.3173e-01, 9.7886e-06, 2.6291e-02],
[2.2248e+01, 6.0061e-02, 1.0383e+00],
[2.5742e+02, 1.5601e+01, 5.0031e+00],
[1.4033e+00, 4.8419e-04, 1.4887e-01],
[1.6307e+01, 6.3882e-02, 6.3596e-01],
[2.6805e+01, 6.1865e-02, 9.0702e-01],
[3.9675e+01, 2.6491e-01, 1.7924e+00],
[7.0824e+01, 3.4337e-01, 2.9725e+00],

```

[5.6770e+01, 1.0270e-01, 3.1421e+00],  
[1.3706e+00, 5.6902e-04, 1.1039e-01],  
[4.2629e+01, 1.3963e-01, 1.8113e+00],  
[2.4574e+02, 9.2355e+00, 5.0105e+00],  
[5.6669e+01, 8.7104e-01, 2.1214e+00],  
[1.7709e-02, 1.1368e-07, 2.5945e-03],  
[1.4244e+01, 4.6769e-02, 6.3055e-01],  
[1.4094e-01, 5.1725e-06, 1.8150e-02],  
[2.4003e+01, 2.5599e-02, 1.2092e+00],  
[1.7752e+00, 1.0596e-03, 1.2563e-01],  
[1.6750e+00, 3.7508e-04, 2.0678e-01],  
[1.1012e+01, 5.4663e-02, 6.1477e-01],  
[4.7392e+01, 4.3516e-02, 1.8335e+00],  
[1.2855e+02, 9.0549e-01, 2.4535e+00],  
[1.1600e-01, 1.0722e-06, 1.4038e-02],  
[3.3340e+01, 2.9020e-01, 1.0913e+00],  
[4.2132e-01, 2.4677e-05, 3.4485e-02],  
[1.9330e+01, 8.6189e-02, 1.2401e+00],  
[5.5972e-03, 7.7759e-09, 8.7554e-04],  
[1.2744e+00, 4.7789e-04, 8.5882e-02],  
[6.4244e+01, 4.0056e-01, 2.0781e+00],  
[4.2563e+01, 1.7761e-01, 1.8080e+00],  
[9.7219e+00, 5.7635e-03, 8.9794e-01],  
[1.8484e+01, 1.0632e-01, 7.9139e-01],  
[1.4314e+00, 1.2938e-05, 1.0183e-01],  
[8.2175e-01, 7.4279e-05, 9.2799e-02],  
[4.3288e+01, 2.1523e-01, 2.9508e+00],  
[1.4814e+01, 5.1909e-02, 6.0847e-01],  
[4.6927e+00, 1.0951e-03, 2.8294e-01],  
[1.7076e+00, 9.4238e-04, 1.1641e-01],  
[4.3335e-01, 2.2060e-04, 5.8839e-02],  
[1.1040e+02, 6.5739e-01, 2.1360e+00],  
[1.2244e+01, 1.3977e-02, 8.4262e-01],  
[2.4534e+01, 1.1777e-01, 1.0810e+00],  
[1.4026e-01, 4.1555e-06, 1.9163e-02],  
[1.2685e+02, 1.8011e+00, 2.5460e+00],  
[2.3769e-02, 5.2476e-07, 3.3713e-03],  
[1.2057e-02, 2.2716e-07, 1.8843e-03],  
[3.4036e+00, 1.1237e-03, 1.7460e-01],  
[1.1848e+00, 3.1795e-04, 7.7292e-02],  
[1.8660e+00, 2.4012e-03, 1.7935e-01],  
[1.2739e+02, 1.6373e+00, 4.3709e+00],  
[1.4598e-02, 4.4998e-08, 2.3265e-03],  
[2.1629e+02, 6.0903e+00, 4.0386e+00],  
[1.2547e-01, 4.5773e-06, 1.6523e-02],  
[2.2073e+00, 4.1999e-04, 1.9552e-01],  
[2.0053e+02, 3.6153e+00, 3.2568e+00],  
[7.5347e-01, 1.1132e-04, 7.5003e-02],

[3.0372e+01, 8.6919e-02, 1.8706e+00],  
 [1.6379e+01, 6.6220e-02, 6.5943e-01],  
 [8.6128e-02, 4.0666e-07, 1.2096e-02],  
 [6.7658e-02, 6.4449e-07, 9.5645e-03],  
 [5.6811e+01, 4.9042e-01, 1.8571e+00],  
 [5.2996e-01, 2.7654e-05, 4.8238e-02],  
 [1.3934e+01, 6.8000e-03, 7.0108e-01],  
 [5.0188e+00, 6.2868e-03, 4.7366e-01],  
 [2.5476e+00, 5.4857e-04, 1.4987e-01],  
 [2.3153e-01, 4.7401e-06, 2.9873e-02],  
 [8.8524e+01, 8.4061e-01, 2.2512e+00],  
 [4.9584e+01, 8.8934e-01, 2.9115e+00],  
 [7.6689e-01, 3.4844e-04, 6.9692e-02],  
 [4.7701e+00, 4.9444e-03, 4.6557e-01],  
 [1.5209e+02, 7.1120e-01, 4.7621e+00],  
 [1.1940e-01, 9.2880e-07, 1.4572e-02],  
 [2.1807e+00, 1.5246e-03, 1.5878e-01],  
 [2.2767e+01, 3.7839e-02, 1.0925e+00],  
 [1.0220e+02, 2.7300e+00, 3.5133e+00],  
 [3.5825e+01, 1.3527e-01, 2.3740e+00],  
 [1.4828e+01, 4.9918e-02, 8.9994e-01],  
 [4.0351e+01, 1.6878e-01, 9.9757e-01],  
 [3.5371e+00, 2.7842e-03, 2.5697e-01],  
 [1.4947e-01, 3.5950e-06, 1.8701e-02],  
 [6.1141e+01, 2.6399e-01, 3.4623e+00],  
 [3.5557e+01, 2.0317e-02, 9.3150e-01],  
 [1.9859e+02, 1.2929e-01, 4.8927e+00],  
 [5.5651e+01, 3.1966e-01, 2.0259e+00],  
 [1.0373e-01, 4.0561e-06, 1.3673e-02],  
 [5.0904e+01, 1.9587e-01, 2.1563e+00],  
 [1.0788e+02, 8.6707e-01, 1.9732e+00],  
 [5.1739e+01, 2.1284e-02, 1.1783e+00],  
 [1.2905e+02, 3.9853e+00, 3.0118e+00],  
 [1.9552e+01, 1.6675e-01, 1.4341e+00],  
 [5.4260e+00, 3.2271e-03, 3.4781e-01],  
 [1.2761e+02, 9.0275e-01, 4.6107e+00],  
 [6.1737e-01, 1.4687e-04, 6.9781e-02],  
 [3.2969e+01, 3.8099e-02, 1.8751e+00],  
 [2.1709e-01, 2.9407e-05, 2.0993e-02],  
 [1.1220e+02, 9.2343e-01, 2.2726e+00],  
 [3.9828e+01, 1.6981e-01, 1.9373e+00],  
 [2.6748e+00, 1.5477e-04, 1.9296e-01],  
 [4.1036e+00, 2.6425e-03, 3.0568e-01],  
 [5.1545e+01, 6.1218e-02, 1.6051e+00],  
 [3.1187e+01, 4.1724e-02, 1.2617e+00],  
 [1.6830e+00, 4.2130e-04, 1.9016e-01],  
 [1.9804e+01, 6.2397e-02, 9.2736e-01],  
 [6.9616e+01, 7.5646e-01, 1.7562e+00],

[5.8422e-03, 4.1394e-08, 9.0405e-04],  
 [8.8746e+01, 1.3581e+00, 2.2834e+00],  
 [3.6563e-01, 1.6311e-05, 4.0384e-02],  
 [3.7783e+00, 2.3213e-03, 2.2422e-01],  
 [4.2227e+01, 3.4227e-01, 1.1610e+00],  
 [1.5179e+00, 4.9959e-04, 1.4090e-01],  
 [1.6825e-01, 9.9267e-06, 2.1145e-02],  
 [1.3276e+01, 1.2761e-02, 4.7465e-01],  
 [1.5202e+01, 9.9354e-02, 1.0636e+00],  
 [9.8880e+00, 3.8950e-03, 4.5672e-01],  
 [3.9098e-01, 1.3945e-05, 4.3052e-02],  
 [6.9889e+01, 2.0630e+00, 3.5203e+00],  
 [1.6272e-01, 2.1672e-05, 2.2258e-02],  
 [1.5263e+02, 1.8955e+00, 3.8627e+00],  
 [6.6706e+01, 6.7376e-01, 1.8308e+00],  
 [7.7629e-02, 6.2010e-06, 1.1381e-02],  
 [6.3763e+01, 5.0411e-01, 1.3099e+00],  
 [2.3372e+00, 6.7209e-04, 2.9332e-01],  
 [1.0944e-01, 5.5959e-06, 1.5049e-02],  
 [9.0037e-01, 1.5114e-04, 8.3845e-02],  
 [1.5699e-01, 3.6780e-06, 2.1978e-02],  
 [1.7783e+01, 1.1021e-02, 1.0622e+00],  
 [1.6373e-02, 3.3315e-07, 2.5204e-03],  
 [2.1184e+02, 5.1049e+00, 4.7639e+00],  
 [3.9214e+01, 3.0883e-01, 1.2310e+00],  
 [2.3599e+01, 4.6174e-02, 1.4331e+00],  
 [6.4443e+01, 1.2500e+00, 1.9039e+00],  
 [5.1146e-02, 1.3572e-06, 7.3560e-03],  
 [1.5995e+01, 1.2581e-01, 9.0872e-01],  
 [1.3341e-01, 1.9068e-05, 1.8930e-02],  
 [1.5289e+02, 2.9506e+00, 3.9691e+00],  
 [1.2897e+02, 1.1559e+00, 3.6260e+00],  
 [3.0107e+02, 2.3928e+00, 4.5549e+00],  
 [1.1491e+02, 2.0213e+00, 3.0492e+00],  
 [4.1403e+00, 1.1607e-02, 3.3689e-01],  
 [1.0059e+01, 1.3439e-02, 4.0575e-01],  
 [1.2509e+01, 5.8903e-02, 8.7428e-01],  
 [7.4394e+00, 3.0925e-03, 6.0064e-01],  
 [7.8774e-02, 7.3077e-07, 1.0882e-02],  
 [6.4131e-02, 3.1178e-07, 8.4423e-03],  
 [3.9327e-01, 2.6395e-05, 3.8437e-02],  
 [6.1965e-01, 3.2504e-05, 4.7187e-02],  
 [1.9984e+01, 7.1137e-02, 1.0968e+00],  
 [7.6407e+01, 1.1085e+00, 1.8114e+00],  
 [5.6536e+01, 3.6308e-01, 1.5812e+00],  
 [4.1256e+01, 6.5256e-02, 2.6787e+00],  
 [5.6107e+01, 2.6855e-01, 2.0116e+00],  
 [9.9074e+01, 1.6216e+00, 2.6242e+00],



[2.0426e+02, 3.9849e+00, 4.5715e+00],  
 [6.7687e+01, 2.4771e-01, 1.3458e+00],  
 [2.8366e+00, 2.5276e-03, 2.0089e-01],  
 [4.0308e+01, 1.8396e-02, 1.7155e+00],  
 [3.1628e+01, 2.4679e-01, 9.0950e-01],  
 [1.1080e+02, 6.4855e-01, 2.0365e+00],  
 [2.3899e+00, 1.3172e-03, 1.3925e-01],  
 [5.6533e+00, 1.3778e-02, 5.4122e-01],  
 [4.3403e+01, 7.8660e-01, 1.9756e+00],  
 [2.3819e+01, 6.3623e-02, 8.3578e-01],  
 [3.0845e+01, 4.0598e-02, 9.9201e-01],  
 [9.8549e+00, 3.0313e-02, 4.5110e-01],  
 [6.8654e-02, 3.0225e-06, 9.3002e-03],  
 [4.2698e+00, 2.5174e-03, 4.3913e-01],  
 [3.4088e-01, 2.3165e-05, 3.8065e-02],  
 [4.6105e+01, 4.4704e-01, 1.3216e+00],  
 [5.5799e+00, 2.2118e-03, 5.2120e-01],  
 [2.9751e+00, 1.6910e-03, 1.7232e-01],  
 [7.5527e-02, 1.8525e-06, 1.0598e-02],  
 [3.9923e+00, 1.6151e-03, 2.9393e-01],  
 [2.9006e-01, 3.4271e-05, 3.1780e-02],  
 [2.6343e+01, 9.3560e-02, 8.4446e-01],  
 [3.0112e+00, 2.1150e-03, 2.4891e-01],  
 [9.4066e+01, 4.2872e-01, 1.9880e+00],  
 [6.9549e-01, 1.2258e-04, 5.2415e-02],  
 [8.3516e-01, 4.0349e-04, 1.0338e-01],  
 [5.6633e-02, 2.0723e-06, 7.5099e-03],  
 [1.3309e+01, 2.0455e-02, 4.8225e-01],  
 [2.2531e+02, 7.1799e+00, 5.0140e+00],  
 [9.0689e-02, 2.0527e-06, 1.2309e-02],  
 [3.8014e+00, 1.0450e-02, 4.5029e-01],  
 [1.0325e+01, 3.1103e-02, 4.8109e-01],  
 [9.8925e+01, 8.5102e-01, 3.4758e+00],  
 [3.8361e+00, 8.4041e-03, 3.5640e-01],  
 [2.7994e+00, 2.4405e-03, 2.2390e-01],  
 [4.3631e+01, 3.1504e-01, 1.6937e+00],  
 [4.2466e+01, 1.3077e-01, 9.9347e-01],  
 [1.6182e+02, 2.5353e+00, 3.4012e+00],  
 [2.7716e+00, 3.3617e-03, 2.0544e-01],  
 [2.1575e+00, 4.0629e-05, 1.3748e-01],  
 [2.1789e-01, 9.4317e-06, 2.5092e-02],  
 [3.0886e+01, 1.3406e-01, 8.1608e-01],  
 [3.4744e-01, 4.8991e-05, 3.7866e-02],  
 [1.1335e+02, 1.4221e+00, 2.5363e+00],  
 [2.3785e+00, 6.5193e-04, 1.3523e-01],  
 [2.0447e+02, 9.6776e+00, 4.7862e+00],  
 [1.5567e+01, 3.4222e-03, 1.0611e+00],  
 [1.0327e+01, 3.1475e-02, 8.6652e-01],

[3.0511e-02, 1.1037e-06, 4.4922e-03],  
[6.9944e+00, 6.0104e-03, 3.4812e-01],  
[7.7462e+01, 4.3042e-01, 2.8209e+00],  
[9.7264e+01, 1.0445e+00, 2.8581e+00],  
[2.0899e+01, 1.8466e-02, 1.7599e+00],  
[1.0339e+02, 8.3490e-01, 2.2578e+00],  
[1.7659e+01, 2.5148e-02, 1.0374e+00],  
[4.2715e+00, 3.3562e-03, 2.3330e-01],  
[4.9318e+01, 4.3397e-01, 1.9618e+00],  
[5.7825e-02, 8.7345e-07, 7.6562e-03],  
[1.7150e+00, 8.8203e-04, 1.4889e-01],  
[1.4325e+01, 6.7240e-02, 8.8942e-01],  
[1.2404e+00, 2.4076e-03, 1.6447e-01],  
[1.1366e+00, 1.2558e-04, 5.8407e-02],  
[1.9002e-01, 1.9172e-05, 2.0784e-02],  
[3.3873e+01, 5.6901e-01, 1.5979e+00],  
[3.9790e+00, 4.1235e-03, 4.2497e-01],  
[1.4144e+00, 1.0024e-04, 1.3675e-01],  
[1.5988e+01, 1.3127e-02, 6.8640e-01],  
[1.7181e-01, 1.5074e-05, 1.9992e-02],  
[1.1986e+00, 6.4980e-05, 1.1896e-01],  
[1.6283e-01, 8.3166e-07, 2.0009e-02],  
[3.0986e+01, 1.4850e-01, 7.6447e-01],  
[8.7621e+00, 1.2382e-02, 6.7388e-01],  
[3.2699e+01, 4.2775e-02, 1.0269e+00],  
[2.6973e+01, 1.4779e-01, 1.6763e+00],  
[5.7720e-01, 1.6536e-04, 6.1944e-02],  
[3.6625e+01, 2.8160e-01, 1.1106e+00],  
[2.1092e-02, 2.0003e-07, 3.0077e-03],  
[6.8125e+00, 1.4034e-02, 3.5145e-01],  
[3.2483e+01, 1.2301e-01, 1.4264e+00],  
[1.3823e+00, 1.8567e-04, 9.4335e-02],  
[2.4502e-01, 2.1669e-05, 2.6375e-02],  
[9.2768e-02, 1.7854e-06, 1.2213e-02],  
[3.0984e+00, 3.9409e-04, 1.4995e-01],  
[6.3085e-02, 1.3449e-06, 9.0354e-03],  
[1.5519e+01, 2.2643e-02, 6.0971e-01],  
[6.4790e-02, 1.8128e-06, 8.9334e-03],  
[2.2617e-01, 9.7266e-06, 2.8997e-02],  
[2.8403e-01, 4.4169e-06, 3.1719e-02],  
[3.4963e-02, 6.0385e-07, 5.4840e-03],  
[3.5660e+00, 7.2202e-04, 2.4007e-01],  
[3.6543e+01, 1.0707e-01, 1.1624e+00],  
[1.9361e-02, 2.2702e-07, 2.8484e-03],  
[8.1864e-01, 1.9948e-04, 6.7045e-02],  
[1.8689e+02, 2.7189e+00, 4.2893e+00],  
[1.5227e+01, 4.0333e-02, 8.1121e-01],  
[1.2260e+01, 3.3348e-02, 9.6511e-01],

[1.1541e+02, 1.2949e+00, 3.5926e+00],  
 [9.9776e+00, 3.8759e-03, 4.8717e-01],  
 [2.4685e+01, 4.9149e-02, 1.1589e+00],  
 [3.2388e-01, 6.3909e-05, 3.8867e-02],  
 [1.1880e+01, 8.2245e-03, 5.0215e-01],  
 [1.1788e+02, 6.3283e-01, 3.1537e+00],  
 [7.6700e-01, 1.4758e-04, 7.4983e-02],  
 [1.0486e+01, 5.5454e-02, 7.5095e-01],  
 [3.8745e-02, 1.5511e-06, 5.2869e-03],  
 [4.2479e+00, 5.5766e-03, 2.7688e-01],  
 [8.2105e+01, 9.1476e-01, 1.5713e+00],  
 [2.9223e-01, 3.5259e-05, 2.7199e-02],  
 [8.3444e+00, 5.6578e-03, 3.3941e-01],  
 [1.1378e-02, 7.6655e-08, 1.7580e-03],  
 [4.8174e-01, 7.5158e-05, 4.1678e-02],  
 [2.5084e+02, 1.7823e+00, 3.8605e+00],  
 [1.7510e+02, 6.6525e+00, 4.2797e+00],  
 [4.4532e+01, 4.1539e-01, 1.5007e+00],  
 [1.6445e+01, 4.8314e-02, 5.9256e-01],  
 [2.9102e+01, 1.4808e-01, 1.0909e+00],  
 [8.9308e+01, 1.1158e+00, 3.4460e+00],  
 [8.0962e+00, 2.1128e-03, 3.3537e-01],  
 [6.9548e-02, 1.9952e-06, 9.1154e-03],  
 [1.4418e-01, 1.5966e-05, 1.7916e-02],  
 [4.8137e-01, 8.9245e-05, 5.9223e-02],  
 [5.6084e+01, 3.5007e-01, 2.2590e+00],  
 [2.4580e-01, 4.5961e-06, 2.3077e-02],  
 [2.9632e+01, 2.3816e-01, 9.4122e-01],  
 [7.2732e+01, 1.3799e+00, 2.7908e+00],  
 [6.4373e+01, 6.5517e-01, 1.8695e+00],  
 [7.9477e-02, 4.3350e-06, 1.0894e-02],  
 [1.6131e+02, 4.8151e+00, 4.3916e+00],  
 [4.1871e-02, 4.6583e-07, 5.5635e-03],  
 [2.7530e+01, 2.4736e-01, 1.8627e+00],  
 [6.6735e+01, 1.0007e+00, 1.9898e+00],  
 [3.8939e-03, 1.8368e-09, 6.2903e-04],  
 [4.6181e+00, 2.2391e-03, 2.8323e-01],  
 [4.7463e+00, 1.2040e-02, 4.1320e-01],  
 [1.1045e-01, 6.9612e-06, 1.6969e-02],  
 [2.4865e-01, 2.5349e-05, 2.5874e-02],  
 [3.3658e-01, 5.1830e-05, 3.4829e-02],  
 [1.3832e+02, 2.9532e+00, 2.8366e+00],  
 [2.3548e-01, 2.8404e-05, 2.1511e-02],  
 [7.8150e-01, 1.9980e-04, 7.8521e-02],  
 [1.2665e+01, 2.8591e-02, 4.6576e-01],  
 [1.1747e+01, 3.1741e-02, 7.4834e-01],  
 [5.7777e+01, 8.2403e-01, 3.1786e+00],  
 [3.0416e-01, 1.0718e-04, 4.0598e-02],

```

[4.1600e-01, 4.9324e-05, 4.2308e-02],
[1.8968e+00, 2.0698e-03, 1.6271e-01],
[3.3064e+01, 1.3183e-01, 1.9997e+00],
[1.4938e+01, 2.0304e-02, 9.5468e-01],
[2.0145e+00, 1.1120e-03, 1.6774e-01],
[3.4425e-01, 1.3589e-05, 2.8955e-02],
[2.4457e+00, 1.7978e-03, 1.6746e-01],
[4.5179e-01, 9.3052e-05, 4.2332e-02],
[7.3731e+00, 6.4885e-03, 5.6126e-01],
[7.4112e-02, 1.6602e-07, 9.7668e-03],
[2.4294e+01, 1.0896e-02, 6.8533e-01],
[8.6906e+00, 4.6008e-02, 7.9044e-01]], dtype=torch.float64)
Iteration: 278
Inputs: tensor([[1.1594e+19, 2.7457e+02, 9.8071e+00, 7.0698e+00],
[5.4337e+18, 3.0035e+02, 1.5110e+01, 2.4410e+00],
[7.4136e+20, 3.1654e+02, 9.1199e+00, 3.4618e+00],
...,
[2.5174e+19, 4.6777e+02, 1.2554e+01, 6.4887e+00],
[1.5501e+20, 1.9341e+02, 1.8953e+01, 3.8176e+00],
[2.3233e+19, 1.6280e+02, 1.3979e+01, 4.2370e+00]], dtype=torch.float64)
Target: tensor([[3.8570e+00, 3.1585e-03, 2.4853e-01],
[2.7439e-01, 1.3815e-05, 3.3810e-02],
[1.3224e+02, 9.1976e-01, 4.1025e+00],
[1.3304e+02, 1.0738e+00, 4.6446e+00],
[1.9038e-01, 3.7029e-05, 2.7238e-02],
[2.2811e+01, 4.5718e-02, 1.6221e+00],
[2.2051e+02, 3.8166e+00, 4.5361e+00],
[7.2066e+01, 7.4089e-01, 1.7682e+00],
[1.3124e+02, 9.1479e-01, 3.0396e+00],
[1.2005e+01, 1.7763e-02, 4.4402e-01],
[1.9307e-01, 1.2177e-05, 2.1586e-02],
[7.6015e-02, 2.9782e-06, 1.0592e-02],
[3.6997e-03, 1.4642e-09, 5.8133e-04],
[3.2572e+00, 1.4033e-04, 2.0051e-01],
[3.6422e+01, 1.8649e-01, 9.1148e-01],
[5.8360e-03, 1.5163e-08, 9.3069e-04],
[5.1008e+00, 1.2172e-03, 5.7053e-01],
[5.6930e-01, 1.9131e-04, 6.7711e-02],
[9.0562e+01, 1.4232e-01, 3.1531e+00],
[1.1233e+02, 1.1134e+00, 1.9259e+00],
[1.0749e+01, 8.1788e-03, 5.1704e-01],
[3.2904e+00, 1.4240e-03, 1.8928e-01],
[4.4608e-01, 2.3524e-05, 5.7398e-02],
[7.0066e-01, 1.1608e-04, 7.5581e-02],
[1.3046e-01, 3.1223e-06, 1.7321e-02],
[1.0191e-02, 9.3267e-08, 1.5572e-03],
[1.3473e+02, 1.1482e+00, 3.6614e+00],
[1.8182e+02, 7.8802e+00, 4.5825e+00],

```

[4.8065e+00, 6.2684e-03, 5.1496e-01],  
 [2.4766e+00, 8.0413e-04, 2.3944e-01],  
 [1.7959e+00, 2.1373e-05, 1.0325e-01],  
 [1.8794e+00, 8.2419e-04, 1.4932e-01],  
 [2.5532e+01, 9.9915e-02, 1.0468e+00],  
 [1.2847e+01, 2.0344e-02, 4.5864e-01],  
 [1.2344e-01, 6.5738e-06, 1.5576e-02],  
 [7.0381e+01, 9.7821e-01, 3.3082e+00],  
 [1.9493e+01, 1.0382e-01, 7.7016e-01],  
 [1.2548e+00, 1.0338e-03, 1.3526e-01],  
 [2.4918e+00, 2.6104e-03, 1.8370e-01],  
 [3.0921e+01, 9.7741e-02, 1.1372e+00],  
 [1.3307e-01, 1.1248e-05, 1.4795e-02],  
 [1.0963e+02, 4.2126e-01, 3.0235e+00],  
 [7.0742e-02, 5.2478e-07, 8.7893e-03],  
 [1.1170e+01, 1.3352e-01, 1.1837e+00],  
 [7.5166e+00, 1.1242e-02, 3.2665e-01],  
 [3.7827e-01, 2.5167e-05, 3.5102e-02],  
 [2.3297e+01, 1.6162e-01, 1.4455e+00],  
 [3.8282e+01, 3.0990e-01, 1.9585e+00],  
 [2.0000e+00, 2.4331e-03, 2.2920e-01],  
 [1.7606e-01, 6.7478e-06, 1.9087e-02],  
 [3.3179e-01, 6.8558e-05, 4.2634e-02],  
 [2.0269e+00, 5.0249e-03, 2.2392e-01],  
 [1.5228e+01, 1.6874e-02, 5.6126e-01],  
 [1.3219e+02, 4.3785e+00, 3.9123e+00],  
 [4.4273e+01, 9.1390e-02, 1.2852e+00],  
 [2.1206e+01, 6.1878e-02, 1.1284e+00],  
 [5.2245e+01, 6.1212e-02, 2.1985e+00],  
 [7.6238e-03, 6.4548e-08, 1.1682e-03],  
 [8.8496e+01, 2.2802e+00, 2.7312e+00],  
 [1.1199e+02, 1.9025e-01, 2.2255e+00],  
 [1.6508e-01, 1.4121e-05, 2.2613e-02],  
 [2.5247e+01, 2.0628e-01, 9.8117e-01],  
 [4.8733e+01, 4.0149e-01, 1.6131e+00],  
 [1.7614e+00, 4.8656e-04, 1.7927e-01],  
 [4.8651e-01, 2.3412e-05, 5.6036e-02],  
 [2.8234e-02, 1.1321e-07, 4.1633e-03],  
 [1.7559e+01, 6.1929e-02, 8.1087e-01],  
 [1.8217e+01, 3.7912e-02, 1.0076e+00],  
 [1.3391e+02, 7.9172e-01, 2.2707e+00],  
 [9.0243e+01, 2.2533e+00, 3.4374e+00],  
 [1.9255e+02, 2.0964e+00, 4.0601e+00],  
 [8.7720e+01, 2.8018e+00, 3.1063e+00],  
 [1.4258e+01, 4.7977e-02, 9.6348e-01],  
 [9.0466e+01, 6.5703e-02, 3.6884e+00],  
 [7.5072e-02, 3.3226e-06, 1.0558e-02],  
 [5.1363e-01, 2.9647e-05, 4.9105e-02],

[1.1981e+01, 3.3134e-02, 9.3295e-01],  
 [4.2556e+00, 1.9883e-03, 1.8727e-01],  
 [2.6497e+01, 2.3131e-01, 1.6296e+00],  
 [3.2931e+01, 2.9041e-01, 1.9148e+00],  
 [3.8496e+00, 1.4973e-03, 3.8488e-01],  
 [9.2636e-01, 6.5767e-05, 1.1299e-01],  
 [1.2377e+00, 5.9073e-05, 8.5349e-02],  
 [2.7864e-01, 7.6961e-06, 2.4543e-02],  
 [2.6044e+01, 1.7559e-01, 1.3136e+00],  
 [5.2109e+01, 1.8311e-01, 1.8926e+00],  
 [2.0157e-01, 1.9453e-05, 2.2912e-02],  
 [4.1777e+00, 1.4315e-03, 1.9994e-01],  
 [1.4010e+00, 1.4718e-04, 1.6521e-01],  
 [3.2246e+01, 3.0828e-01, 9.2948e-01],  
 [2.7516e+01, 4.3807e-01, 2.2530e+00],  
 [6.8866e+01, 3.9934e-02, 3.0427e+00],  
 [1.1704e+00, 4.5536e-04, 9.5316e-02],  
 [2.4933e+00, 3.6646e-04, 2.4341e-01],  
 [5.9081e+01, 9.8156e-01, 1.7387e+00],  
 [2.9613e+01, 2.8907e-01, 1.2854e+00],  
 [2.0997e+00, 7.5392e-04, 2.6657e-01],  
 [7.8505e-02, 3.2043e-07, 9.9182e-03],  
 [1.1440e+01, 9.3561e-03, 5.2238e-01],  
 [9.5820e+01, 6.7049e-01, 2.6750e+00],  
 [6.7721e+01, 6.5116e-01, 1.6163e+00],  
 [7.5170e-03, 3.3230e-09, 1.1776e-03],  
 [2.6837e+01, 2.4991e-02, 1.6779e+00],  
 [1.9215e+00, 2.7249e-04, 1.2619e-01],  
 [5.1623e-01, 3.4029e-05, 3.3994e-02],  
 [1.0404e+02, 4.7417e-01, 2.1906e+00],  
 [1.6966e+00, 3.9580e-04, 1.3220e-01],  
 [3.2974e+01, 1.2023e-01, 8.1604e-01],  
 [1.1685e-01, 1.0454e-05, 1.5532e-02],  
 [2.7435e+00, 3.0748e-03, 1.7025e-01],  
 [6.2598e+00, 8.9010e-03, 3.9056e-01],  
 [1.7371e+01, 1.4459e-02, 5.9181e-01],  
 [2.1252e-02, 1.9159e-07, 3.2821e-03],  
 [1.2532e+00, 9.1031e-05, 8.2046e-02],  
 [3.7781e-02, 1.1269e-06, 5.4829e-03],  
 [2.5380e+01, 1.6681e-01, 1.0773e+00],  
 [1.6579e+00, 1.0124e-03, 1.6051e-01],  
 [9.7568e+01, 1.1832e+00, 3.8271e+00],  
 [1.7426e+01, 9.3222e-03, 1.1878e+00],  
 [1.7967e+01, 3.5041e-02, 8.6067e-01],  
 [4.0472e-01, 1.2589e-04, 4.6770e-02],  
 [7.3188e+00, 6.1101e-03, 2.5725e-01],  
 [1.0078e+00, 1.7364e-04, 8.4531e-02],  
 [1.4530e-01, 9.7034e-06, 1.9286e-02],

[3.7449e+01, 3.7974e-01, 9.8548e-01],  
 [6.2432e+01, 1.1904e+00, 2.1651e+00],  
 [1.7513e+01, 1.2789e-02, 9.3157e-01],  
 [3.0709e-02, 6.3108e-07, 4.4563e-03],  
 [9.8376e+00, 3.4720e-03, 4.6846e-01],  
 [3.9813e-01, 1.4122e-05, 4.3957e-02],  
 [1.8440e-01, 2.3188e-05, 2.6485e-02],  
 [2.8456e-02, 2.7391e-07, 4.0855e-03],  
 [4.2851e-01, 1.4314e-05, 4.6755e-02],  
 [9.8643e-01, 6.5195e-05, 9.9039e-02],  
 [1.8121e+00, 4.9433e-04, 1.6783e-01],  
 [5.9862e-03, 1.2050e-08, 9.3678e-04],  
 [3.7465e+00, 6.1568e-03, 2.4936e-01],  
 [4.5750e-01, 6.6315e-05, 5.2277e-02],  
 [1.8905e+01, 1.2938e-01, 8.4997e-01],  
 [3.2697e+01, 1.3617e-01, 1.0017e+00],  
 [9.3892e+00, 2.5575e-02, 9.8700e-01],  
 [2.7862e+02, 6.7706e+00, 4.4786e+00],  
 [2.0814e+01, 8.1950e-03, 6.7825e-01],  
 [1.7451e+02, 4.7448e+00, 4.3938e+00],  
 [2.2808e+02, 3.2326e+00, 3.7157e+00],  
 [1.4581e-01, 6.6435e-06, 1.6581e-02],  
 [1.6284e+01, 4.8624e-02, 7.2865e-01],  
 [3.6923e+00, 4.4032e-03, 2.1252e-01],  
 [6.2469e-01, 5.3890e-05, 6.2157e-02],  
 [1.6952e-01, 2.1334e-06, 1.9973e-02],  
 [2.0469e-02, 1.1359e-07, 3.2849e-03],  
 [2.8020e+00, 1.6438e-03, 1.7598e-01],  
 [5.1466e-02, 2.5378e-07, 6.5906e-03],  
 [4.8785e+01, 2.6752e-01, 1.3459e+00],  
 [8.2206e+01, 2.2757e+00, 2.7347e+00],  
 [2.3512e+02, 9.9071e+00, 4.2384e+00],  
 [8.1806e+00, 3.0267e-03, 3.9192e-01],  
 [1.9029e+00, 2.2503e-04, 1.8945e-01],  
 [1.3951e+00, 2.5058e-04, 1.4998e-01],  
 [1.5862e+01, 5.7815e-02, 7.9747e-01],  
 [7.3198e+01, 8.9074e-01, 2.3690e+00],  
 [3.8467e+01, 2.3499e-01, 2.8274e+00],  
 [1.0384e+01, 4.3430e-02, 8.5001e-01],  
 [5.4029e-01, 1.7284e-04, 6.3988e-02],  
 [9.3143e-01, 1.6900e-04, 8.2398e-02],  
 [1.2463e+02, 4.4648e-01, 3.2978e+00],  
 [6.2049e+00, 8.9641e-03, 4.5663e-01],  
 [1.6435e+02, 2.1338e+00, 4.6969e+00],  
 [2.7636e+00, 7.3033e-04, 2.5326e-01],  
 [1.1014e+02, 9.4175e-01, 2.0819e+00],  
 [2.1004e-01, 3.7591e-06, 2.4385e-02],  
 [1.1842e+01, 2.0444e-02, 4.3222e-01],

[4.8537e+00, 7.6175e-03, 2.5991e-01],  
 [6.9636e-01, 1.1820e-04, 9.9281e-02],  
 [2.1019e-01, 8.7168e-06, 2.0716e-02],  
 [6.1743e-01, 8.9220e-05, 7.8162e-02],  
 [5.6969e+00, 2.8558e-03, 3.9614e-01],  
 [1.9845e+00, 6.8001e-04, 1.3714e-01],  
 [1.8422e-01, 1.3210e-06, 1.9987e-02],  
 [2.7091e+00, 1.5999e-03, 1.6683e-01],  
 [7.8923e-02, 5.9152e-06, 9.6834e-03],  
 [2.6207e+01, 1.8513e-01, 8.8065e-01],  
 [1.2473e+00, 3.0935e-04, 8.9654e-02],  
 [8.9951e+00, 3.1541e-03, 4.6945e-01],  
 [1.9441e+01, 1.0001e-01, 7.1752e-01],  
 [3.4115e-02, 8.9141e-08, 4.7908e-03],  
 [1.1279e+02, 8.5279e-01, 2.6338e+00],  
 [1.2204e+02, 1.8493e+00, 4.3462e+00],  
 [2.1426e+02, 3.8083e+00, 4.7333e+00],  
 [8.2782e+01, 2.7932e-01, 1.5951e+00],  
 [1.5903e+02, 5.3423e+00, 3.3458e+00],  
 [5.3171e+01, 6.5900e-02, 2.8144e+00],  
 [3.7091e+01, 2.3323e-02, 1.0842e+00],  
 [2.6983e+01, 1.1414e-01, 1.2638e+00],  
 [4.2737e+01, 1.1294e-01, 2.6753e+00],  
 [3.3774e+01, 1.8805e-01, 1.9924e+00],  
 [3.6653e+01, 3.3042e-01, 1.2006e+00],  
 [3.3806e+01, 1.0418e-01, 9.7274e-01],  
 [9.7976e-02, 1.0769e-06, 1.3799e-02],  
 [3.7157e+01, 4.6430e-01, 1.8004e+00],  
 [2.7926e+00, 1.0414e-03, 3.0545e-01],  
 [8.8733e+01, 1.0336e+00, 2.7989e+00],  
 [1.7499e+00, 1.4181e-03, 1.4334e-01],  
 [8.6891e+01, 5.7584e-01, 2.9475e+00],  
 [5.8042e+01, 4.4006e-01, 1.1334e+00],  
 [6.9758e+00, 3.4261e-02, 6.4562e-01],  
 [1.0733e+01, 1.1921e-02, 7.4009e-01],  
 [2.5778e-01, 4.1430e-05, 2.6355e-02],  
 [4.9959e+01, 1.4821e-01, 1.3664e+00],  
 [5.0343e+00, 7.7277e-03, 3.6813e-01],  
 [1.1671e+00, 1.4388e-04, 1.0811e-01],  
 [5.9868e-02, 1.5068e-06, 8.9996e-03],  
 [3.8915e+01, 4.6421e-01, 1.7550e+00],  
 [1.0556e+00, 4.3130e-04, 7.5310e-02],  
 [2.1063e+01, 5.6638e-02, 1.2390e+00],  
 [3.9762e-01, 5.0432e-05, 3.8684e-02],  
 [1.9557e-01, 4.0671e-06, 2.2634e-02],  
 [3.4204e+00, 1.2483e-03, 2.4089e-01],  
 [2.1197e-01, 2.6543e-05, 2.1778e-02],  
 [1.6643e+01, 5.0090e-02, 5.6315e-01],



[5.7353e-01, 2.2081e-04, 7.7520e-02],  
 [8.6719e+01, 2.6966e-01, 3.9447e+00],  
 [5.5855e+00, 4.6317e-03, 3.9342e-01],  
 [1.3767e+01, 6.8798e-02, 1.0820e+00],  
 [9.5735e+01, 8.1719e-02, 3.4218e+00],  
 [1.4385e+00, 3.0880e-04, 1.5313e-01],  
 [2.2702e+01, 9.3010e-02, 7.5939e-01],  
 [6.5145e+01, 7.2694e-01, 2.0834e+00],  
 [6.5618e-02, 5.7019e-06, 9.3378e-03],  
 [8.5289e+01, 2.5677e-01, 3.9405e+00],  
 [5.6920e-01, 2.1881e-04, 6.0874e-02],  
 [1.2107e+00, 1.1556e-04, 1.3544e-01],  
 [1.9124e+02, 2.4596e+00, 3.0630e+00],  
 [5.2116e+01, 3.9846e-01, 1.7222e+00],  
 [2.3134e+02, 9.0847e-01, 3.5098e+00],  
 [2.5898e+01, 1.0039e-01, 7.6297e-01],  
 [2.0656e+01, 4.7086e-02, 7.8360e-01],  
 [1.0057e+02, 1.3165e+00, 4.0133e+00],  
 [2.4365e+01, 7.0089e-02, 1.3061e+00],  
 [2.1832e+02, 8.5810e+00, 3.7901e+00],  
 [3.5190e+00, 1.4843e-03, 2.8109e-01],  
 [3.0110e-02, 1.9186e-07, 4.3397e-03],  
 [1.1658e-02, 7.0040e-08, 1.8685e-03],  
 [2.4354e+01, 1.1066e-01, 1.5067e+00],  
 [3.5231e-01, 5.7989e-06, 3.3526e-02],  
 [1.5993e+02, 1.6760e+00, 3.6749e+00],  
 [1.8532e+01, 3.3416e-02, 1.4074e+00],  
 [2.8584e+01, 1.8114e-01, 1.2007e+00],  
 [1.5270e-01, 6.1016e-06, 1.7486e-02],  
 [9.5633e-02, 2.9904e-06, 1.2047e-02],  
 [6.3458e-01, 4.4819e-05, 6.7299e-02],  
 [3.2283e+01, 2.6789e-01, 1.4997e+00],  
 [2.7818e+01, 2.5444e-01, 1.6290e+00],  
 [2.7377e+02, 1.3886e+01, 5.0969e+00],  
 [5.1787e+01, 7.0728e-01, 2.1963e+00],  
 [3.7907e-01, 2.8153e-05, 4.0121e-02],  
 [8.6293e-02, 2.9817e-07, 1.2626e-02],  
 [6.7280e+00, 4.6180e-03, 2.8792e-01],  
 [1.0639e+01, 1.8925e-02, 5.9412e-01],  
 [8.8810e-01, 3.8026e-04, 1.1794e-01],  
 [3.2019e-02, 4.2814e-08, 4.5512e-03],  
 [2.3748e-01, 1.4741e-05, 2.8965e-02],  
 [1.9244e+01, 4.9675e-02, 1.2002e+00],  
 [3.2107e+01, 3.9124e-01, 1.3659e+00],  
 [3.3641e+01, 2.1035e-01, 1.7444e+00],  
 [1.7748e-01, 5.7500e-06, 2.6211e-02],  
 [4.0659e-01, 6.1930e-05, 4.1396e-02],  
 [1.2796e-01, 3.0521e-06, 1.8020e-02],

[1.2227e+02, 2.7875e+00, 2.5144e+00],  
 [9.0036e-02, 7.6174e-06, 1.2404e-02],  
 [6.1321e+00, 6.0168e-03, 4.0578e-01],  
 [1.2832e+01, 5.2449e-03, 5.9740e-01],  
 [4.1603e+00, 3.8284e-03, 3.0581e-01],  
 [1.8592e+00, 1.6420e-03, 1.4009e-01],  
 [1.3493e-01, 9.1504e-06, 1.6542e-02],  
 [1.1614e+02, 3.4954e+00, 2.7898e+00],  
 [2.1623e+02, 2.6743e+00, 4.6604e+00],  
 [2.5125e+01, 6.2826e-02, 9.0802e-01],  
 [1.9396e+00, 8.5516e-04, 1.9484e-01],  
 [7.9991e-01, 2.0436e-04, 7.5733e-02],  
 [3.6138e+00, 1.9021e-03, 1.7493e-01],  
 [4.6803e+01, 1.7131e-01, 2.4270e+00],  
 [9.3308e+00, 1.9472e-03, 4.3821e-01],  
 [6.3626e-03, 2.6543e-09, 1.0128e-03],  
 [7.9268e-01, 1.9391e-04, 9.6992e-02],  
 [3.8984e+00, 8.1817e-03, 3.0753e-01],  
 [1.4133e+00, 7.8772e-04, 1.1460e-01],  
 [9.4575e+01, 1.5282e+00, 3.3941e+00],  
 [5.6785e+01, 4.1282e-01, 1.8383e+00],  
 [2.2509e+00, 1.0808e-04, 1.2331e-01],  
 [1.3099e+01, 1.7356e-02, 1.2790e+00],  
 [2.2297e+01, 6.7103e-02, 9.6742e-01],  
 [1.1125e+02, 1.0882e+00, 2.8204e+00],  
 [1.4401e+00, 7.5764e-04, 1.4609e-01],  
 [1.8704e-02, 1.9050e-07, 2.8666e-03],  
 [4.1467e+00, 6.1025e-03, 2.6315e-01],  
 [2.1593e-01, 1.2386e-05, 2.2568e-02],  
 [1.6156e-02, 2.7376e-08, 2.3616e-03],  
 [4.2066e+00, 9.7964e-03, 3.3979e-01],  
 [4.4895e-02, 6.3368e-07, 6.2982e-03],  
 [1.6193e+02, 7.6965e-01, 2.5501e+00],  
 [6.1460e-03, 4.9361e-08, 9.7844e-04],  
 [3.6544e+01, 2.7178e-01, 1.4097e+00],  
 [6.5985e+01, 5.4482e-01, 2.6902e+00],  
 [2.6266e+01, 2.7497e-02, 1.6736e+00],  
 [6.7775e+00, 2.2609e-03, 3.5951e-01],  
 [1.0210e+01, 2.9225e-02, 5.5539e-01],  
 [1.8591e+02, 3.0760e+00, 4.0975e+00],  
 [2.2975e+01, 3.9630e-02, 6.9056e-01],  
 [1.8682e+02, 1.3956e+00, 4.6520e+00],  
 [2.8197e+01, 1.3097e-01, 1.3374e+00],  
 [3.4324e+01, 7.5481e-02, 1.7657e+00],  
 [1.5214e-01, 8.8138e-06, 1.7543e-02],  
 [4.7784e-01, 9.2470e-06, 6.0196e-02],  
 [1.4531e-01, 1.7234e-06, 1.7055e-02],  
 [5.3704e+01, 3.3667e-01, 1.3485e+00],

```

[2.1286e+01, 1.0444e-01, 1.0559e+00],
[1.3698e+01, 3.1076e-02, 5.5361e-01],
[1.5684e+01, 5.5967e-02, 1.1123e+00],
[2.2907e+00, 1.4091e-03, 2.1996e-01]], dtype=torch.float64)
Iteration: 279
Inputs: tensor([[4.9349e+18, 4.5446e+02, 1.7600e+01, 9.0154e+00],
[2.8951e+19, 5.4311e+01, 1.2190e+01, 3.1394e+00],
[2.4183e+20, 6.1466e+01, 3.8886e+00, 2.0643e+00],
...,
[3.0824e+20, 3.0138e+02, 9.0215e-01, 9.0725e+00],
[4.4132e+20, 1.6764e+02, 7.6444e+00, 2.6698e+00],
[8.6487e+19, 1.7974e+02, 1.6480e+01, 6.9261e+00]], dtype=torch.float64)
Target: tensor([[1.7563e+00, 1.2817e-03, 1.2249e-01],
[3.7501e-01, 4.9911e-05, 5.1577e-02],
[1.2841e+01, 6.7445e-03, 1.0972e+00],
[1.5296e+00, 8.6293e-04, 1.1918e-01],
[3.6425e-01, 7.7018e-05, 3.4641e-02],
[8.0107e-01, 2.5229e-04, 7.1643e-02],
[2.6509e+00, 1.8898e-03, 2.4787e-01],
[1.1013e-01, 7.9277e-06, 1.2546e-02],
[2.4185e+01, 1.3654e-02, 1.8672e+00],
[1.4504e-02, 6.2680e-08, 2.2914e-03],
[3.7349e+00, 3.1325e-03, 4.4152e-01],
[4.5648e+01, 1.0971e-01, 1.0922e+00],
[1.5679e+02, 1.1241e+00, 4.5755e+00],
[3.2740e+01, 4.7319e-02, 1.0922e+00],
[1.1753e+01, 5.6049e-03, 5.8966e-01],
[2.0242e+00, 4.8021e-04, 1.8346e-01],
[1.1662e+01, 2.4737e-02, 7.4121e-01],
[2.1276e+01, 7.3656e-03, 1.0857e+00],
[3.7096e+00, 4.9504e-03, 3.1362e-01],
[1.0436e-03, 1.0792e-10, 1.6806e-04],
[3.7796e+00, 5.3208e-03, 2.3997e-01],
[2.5317e+00, 8.7444e-04, 1.9964e-01],
[3.2930e+00, 1.5047e-03, 1.9883e-01],
[3.2151e-02, 8.8982e-07, 4.5620e-03],
[3.7185e+01, 1.7758e-01, 2.2767e+00],
[6.0458e+01, 2.4361e-01, 2.1641e+00],
[5.2405e+00, 1.9848e-03, 2.4600e-01],
[3.7811e+01, 6.0139e-01, 2.7003e+00],
[1.9212e+02, 7.2299e+00, 4.4668e+00],
[6.7690e+00, 7.0543e-03, 3.4768e-01],
[1.4803e+01, 9.4286e-02, 1.1008e+00],
[6.6225e+00, 1.4070e-03, 5.1093e-01],
[3.2840e+01, 2.0513e-01, 1.1360e+00],
[1.2276e+01, 1.2232e-01, 9.7055e-01],
[4.4159e+00, 2.8229e-03, 2.6300e-01],
[8.3240e+01, 6.6363e-01, 1.5797e+00],

```

[1.7919e-01, 5.7407e-06, 2.0286e-02],  
 [2.3173e+00, 2.8602e-03, 2.3125e-01],  
 [8.2486e+01, 5.9223e-02, 1.8467e+00],  
 [2.3536e+02, 4.6892e+00, 4.3150e+00],  
 [4.6310e-01, 5.2620e-05, 3.8961e-02],  
 [2.2426e+01, 3.4719e-02, 5.8443e-01],  
 [3.5327e+01, 2.2901e-01, 1.2520e+00],  
 [2.4101e+00, 2.3755e-04, 1.8294e-01],  
 [9.3632e-01, 6.5619e-05, 7.2770e-02],  
 [7.4933e-02, 5.0049e-07, 9.5541e-03],  
 [2.4773e+00, 1.0997e-03, 1.4426e-01],  
 [8.2901e-01, 4.4843e-04, 8.4689e-02],  
 [2.8114e-01, 2.4459e-05, 3.7687e-02],  
 [1.2084e+01, 4.1902e-02, 6.1216e-01],  
 [4.7672e-02, 1.6960e-06, 6.9815e-03],  
 [2.3862e+00, 1.5104e-03, 1.8938e-01],  
 [3.0123e+01, 3.2461e-01, 1.1382e+00],  
 [1.5979e+01, 2.3977e-01, 1.5574e+00],  
 [1.6818e+01, 6.3582e-02, 5.9847e-01],  
 [2.0606e-01, 2.8427e-06, 2.1430e-02],  
 [4.7520e+01, 3.1977e-01, 1.1948e+00],  
 [9.8796e+00, 1.3614e-02, 6.2589e-01],  
 [2.3477e+02, 1.6205e+00, 4.3552e+00],  
 [5.2147e-01, 5.4994e-05, 6.6832e-02],  
 [4.9635e-01, 1.2326e-04, 4.6263e-02],  
 [1.3190e+02, 1.3481e+00, 3.4827e+00],  
 [6.1302e+01, 3.7364e-01, 3.1860e+00],  
 [7.1102e+00, 1.9492e-03, 2.5533e-01],  
 [1.8943e+00, 4.7202e-04, 1.6751e-01],  
 [4.0107e-01, 2.3896e-04, 5.3702e-02],  
 [5.3120e+01, 9.8536e-01, 2.0098e+00],  
 [5.5425e+00, 5.8305e-03, 3.3342e-01],  
 [1.2968e+00, 8.0978e-04, 1.7961e-01],  
 [1.0145e+01, 1.0510e-02, 4.7632e-01],  
 [7.7590e+01, 1.4253e+00, 3.4015e+00],  
 [1.8076e+02, 2.4564e+00, 3.8780e+00],  
 [1.3918e+02, 2.3304e+00, 3.7928e+00],  
 [2.8148e+00, 1.0431e-03, 2.2477e-01],  
 [8.9322e+01, 1.3448e+00, 2.0846e+00],  
 [1.7484e+00, 1.6443e-04, 1.1583e-01],  
 [4.9828e+00, 2.5894e-03, 3.4983e-01],  
 [1.5583e+02, 4.3831e+00, 2.8695e+00],  
 [3.8234e+01, 7.6659e-02, 2.6116e+00],  
 [2.0132e+01, 3.0110e-02, 9.1402e-01],  
 [3.8905e-01, 1.1835e-04, 3.8215e-02],  
 [1.1495e-01, 1.4199e-06, 1.3587e-02],  
 [7.2698e+01, 2.8301e-01, 3.6047e+00],  
 [2.6392e+00, 1.8551e-03, 1.9186e-01],

[9.3148e+00, 4.9463e-03, 5.6918e-01],  
 [2.5667e-02, 4.2379e-07, 3.9186e-03],  
 [1.3624e+01, 5.5649e-02, 7.0572e-01],  
 [3.2667e+00, 2.0628e-03, 2.3695e-01],  
 [2.5455e+01, 9.7627e-02, 9.5592e-01],  
 [1.5205e-01, 1.3580e-05, 1.5850e-02],  
 [8.1195e-02, 2.0558e-06, 1.0375e-02],  
 [1.5226e+02, 2.4153e+00, 3.7197e+00],  
 [5.5487e-01, 2.6783e-05, 5.1522e-02],  
 [7.8602e-01, 1.4061e-04, 8.7052e-02],  
 [1.7699e-01, 2.2366e-05, 1.9560e-02],  
 [1.9638e+02, 2.9311e+00, 4.2031e+00],  
 [4.9426e+01, 1.7364e-01, 2.3381e+00],  
 [6.6417e+00, 9.2408e-04, 2.7655e-01],  
 [2.9158e+01, 3.5111e-01, 1.6836e+00],  
 [4.3796e+01, 2.8676e-01, 1.1679e+00],  
 [2.5289e+01, 1.2064e-01, 1.2168e+00],  
 [3.1284e+00, 2.9557e-03, 1.9109e-01],  
 [5.4695e+00, 4.9257e-03, 6.1289e-01],  
 [6.1562e+00, 1.6766e-02, 4.7231e-01],  
 [1.7747e+01, 6.0057e-02, 1.4900e+00],  
 [8.0923e+01, 1.6826e-01, 3.7159e+00],  
 [8.5323e+01, 5.7222e-01, 1.7657e+00],  
 [3.7937e+01, 1.6117e-01, 2.0039e+00],  
 [1.5779e+01, 1.8751e-02, 8.4182e-01],  
 [1.2358e+02, 2.0251e+00, 2.9686e+00],  
 [7.0777e+01, 6.5396e-01, 1.8121e+00],  
 [1.3384e+01, 5.4783e-02, 1.2120e+00],  
 [1.2561e+01, 1.0178e-02, 4.7992e-01],  
 [5.7582e+01, 4.7108e-01, 2.5497e+00],  
 [3.8102e+00, 3.4556e-03, 2.6088e-01],  
 [3.9103e+01, 4.2738e-01, 2.8073e+00],  
 [1.0346e+00, 7.0557e-04, 1.2292e-01],  
 [4.7494e-01, 1.6581e-05, 3.9589e-02],  
 [4.8290e+00, 3.1219e-04, 2.7963e-01],  
 [5.1459e+01, 7.7995e-01, 1.5475e+00],  
 [7.2484e+01, 4.5583e-01, 3.7299e+00],  
 [1.5642e+01, 5.6928e-02, 1.3251e+00],  
 [9.2780e-02, 3.6176e-07, 1.0923e-02],  
 [1.8379e+00, 1.5782e-04, 1.4576e-01],  
 [3.0910e+01, 2.9047e-02, 8.5000e-01],  
 [4.3039e+01, 4.3033e-02, 2.3227e+00],  
 [1.7339e+01, 1.7627e-01, 1.0402e+00],  
 [9.5247e-03, 1.6865e-08, 1.4723e-03],  
 [1.6385e-03, 2.6780e-10, 2.6408e-04],  
 [1.3601e-01, 3.9053e-06, 1.5670e-02],  
 [2.3360e+00, 3.8403e-04, 1.2693e-01],  
 [1.5112e+00, 1.0089e-03, 1.8388e-01],

[6.3512e+00, 6.0027e-04, 4.0725e-01],  
 [1.1541e+01, 2.9441e-02, 7.0462e-01],  
 [3.3451e+01, 1.1641e-01, 2.2344e+00],  
 [5.6105e+00, 1.3348e-03, 3.0737e-01],  
 [9.5338e+01, 4.7469e-01, 2.6522e+00],  
 [4.1517e-01, 6.6320e-05, 3.4839e-02],  
 [2.7426e+01, 1.7246e-02, 1.0526e+00],  
 [1.6519e-01, 3.3376e-06, 1.8464e-02],  
 [2.1555e-01, 1.4618e-05, 2.5040e-02],  
 [3.1371e+01, 3.3635e-02, 1.2421e+00],  
 [9.6548e-01, 1.8657e-04, 9.0575e-02],  
 [3.9625e+01, 2.6795e-01, 1.0388e+00],  
 [1.4875e+00, 3.2400e-04, 1.0480e-01],  
 [2.2056e-02, 1.4161e-07, 3.4178e-03],  
 [4.9125e-01, 5.7575e-05, 4.0373e-02],  
 [2.9674e+00, 8.3941e-04, 1.7991e-01],  
 [1.1823e+02, 1.0208e+00, 4.3871e+00],  
 [2.7854e-01, 1.1923e-05, 3.5266e-02],  
 [1.8042e-01, 6.9206e-06, 2.2220e-02],  
 [1.3007e+01, 1.9071e-02, 8.5335e-01],  
 [4.7771e-02, 4.2263e-07, 6.7516e-03],  
 [2.5727e+02, 9.0554e+00, 4.0477e+00],  
 [8.1053e+01, 5.0124e-01, 2.6126e+00],  
 [4.5424e+01, 4.9478e-01, 1.3368e+00],  
 [1.5806e+00, 3.4049e-05, 7.9924e-02],  
 [4.9454e-02, 8.2252e-07, 6.9591e-03],  
 [2.1066e+01, 5.0677e-02, 7.6789e-01],  
 [2.1166e+01, 1.0439e-01, 6.8721e-01],  
 [2.2682e-01, 6.1897e-06, 2.0999e-02],  
 [4.8453e+01, 2.8067e-01, 1.2154e+00],  
 [7.5638e+01, 5.2109e-01, 1.7566e+00],  
 [1.0390e+02, 1.4515e+00, 2.4050e+00],  
 [5.3775e-01, 9.5204e-06, 4.4510e-02],  
 [1.0311e+01, 2.6975e-02, 9.2697e-01],  
 [3.4494e+01, 1.9517e-01, 9.4328e-01],  
 [4.7785e+01, 2.2977e-01, 1.8791e+00],  
 [5.3190e+00, 6.4132e-03, 3.0232e-01],  
 [1.5596e+00, 3.8818e-04, 2.0469e-01],  
 [2.8015e-01, 2.1706e-05, 3.8296e-02],  
 [9.2776e+00, 3.0602e-03, 5.0093e-01],  
 [6.8786e-01, 1.1786e-04, 6.6146e-02],  
 [3.9595e-03, 9.4995e-10, 6.3166e-04],  
 [6.7193e+01, 1.9160e-02, 1.6562e+00],  
 [1.1494e+00, 7.3533e-04, 1.1412e-01],  
 [6.1699e+01, 3.8264e-01, 2.5526e+00],  
 [1.1816e+01, 3.7313e-02, 4.9913e-01],  
 [7.1878e+00, 2.8788e-02, 5.4326e-01],  
 [1.4792e+00, 2.2212e-04, 7.4283e-02],

[2.5092e+02, 1.2117e+01, 4.3568e+00],  
 [4.0568e-01, 8.4337e-05, 4.8760e-02],  
 [4.0593e+01, 1.9892e-01, 1.3158e+00],  
 [4.5116e+01, 9.4359e-03, 1.4046e+00],  
 [2.7374e+00, 1.6799e-04, 1.5664e-01],  
 [3.4781e+01, 2.5102e-01, 1.8757e+00],  
 [7.7613e+00, 2.1073e-02, 4.2821e-01],  
 [2.2635e+00, 1.4970e-03, 1.4742e-01],  
 [2.5219e+00, 7.3891e-04, 1.3154e-01],  
 [6.1333e+01, 2.2255e-01, 3.4031e+00],  
 [4.1188e+01, 4.2722e-01, 1.7324e+00],  
 [4.0997e+01, 1.1284e-01, 1.7266e+00],  
 [2.9370e-02, 5.3133e-07, 4.1512e-03],  
 [6.4800e+01, 9.5275e-01, 1.6829e+00],  
 [1.5594e+01, 2.6184e-02, 5.0053e-01],  
 [6.5433e+00, 2.5734e-02, 7.7204e-01],  
 [2.5330e+00, 4.2709e-04, 1.6065e-01],  
 [2.5484e+01, 1.3539e-02, 8.5855e-01],  
 [7.5356e+00, 1.6616e-02, 4.2564e-01],  
 [2.8848e-02, 5.0708e-07, 4.1099e-03],  
 [1.5649e+02, 2.6336e+00, 4.4461e+00],  
 [1.1354e+01, 2.6164e-02, 6.7254e-01],  
 [3.0816e+01, 5.5451e-02, 1.0236e+00],  
 [1.1511e+01, 5.2543e-03, 8.2467e-01],  
 [1.4015e+02, 1.9846e+00, 2.7110e+00],  
 [1.5279e+01, 2.5835e-02, 8.5452e-01],  
 [2.2489e+00, 2.4790e-03, 2.4045e-01],  
 [1.3763e+02, 1.4478e-01, 4.4307e+00],  
 [3.7702e+01, 2.0570e-01, 1.6525e+00],  
 [5.5225e-01, 2.4260e-05, 5.9459e-02],  
 [1.0223e+02, 3.7215e-01, 3.6316e+00],  
 [2.0402e+02, 5.6783e+00, 3.7674e+00],  
 [1.3098e+01, 6.2326e-02, 1.1619e+00],  
 [1.2812e+02, 2.7418e+00, 2.9394e+00],  
 [1.9744e-01, 1.5419e-06, 2.6465e-02],  
 [7.2910e+00, 7.5170e-03, 4.6247e-01],  
 [1.9490e+02, 3.4093e+00, 3.1973e+00],  
 [1.3974e+01, 7.0481e-03, 1.2479e+00],  
 [2.4083e-01, 3.8138e-06, 2.6010e-02],  
 [4.6928e-02, 2.9463e-06, 6.8651e-03],  
 [3.5313e-03, 2.5162e-08, 5.6011e-04],  
 [1.3997e-01, 6.8413e-06, 1.4996e-02],  
 [7.6560e+01, 5.5801e-01, 1.6534e+00],  
 [3.0879e-01, 2.3537e-06, 2.8770e-02],  
 [5.2930e+01, 3.3647e-01, 1.7842e+00],  
 [5.5765e-02, 2.1938e-06, 7.8313e-03],  
 [1.7262e-02, 5.9841e-07, 2.6774e-03],  
 [2.3110e+01, 4.3759e-02, 8.9139e-01],

[9.1746e-01, 3.5287e-04, 8.0088e-02],  
 [9.1490e-01, 5.9273e-05, 9.2810e-02],  
 [1.5882e+02, 3.1692e-01, 3.8509e+00],  
 [2.9295e+00, 4.0017e-03, 2.8115e-01],  
 [2.2475e+01, 8.4884e-02, 1.0250e+00],  
 [3.1964e+00, 6.1264e-04, 2.5856e-01],  
 [1.0268e+02, 1.4489e+00, 2.7981e+00],  
 [1.2151e+02, 2.9248e-01, 3.0047e+00],  
 [3.4346e+00, 7.2735e-04, 2.6737e-01],  
 [1.7179e+02, 4.9106e+00, 4.0750e+00],  
 [2.4698e+01, 2.8095e-02, 7.6208e-01],  
 [4.1759e-01, 2.6713e-05, 4.0552e-02],  
 [4.3495e-01, 5.8518e-05, 4.8469e-02],  
 [2.0780e-01, 1.5141e-05, 2.2862e-02],  
 [1.4392e+02, 5.1729e+00, 3.9949e+00],  
 [4.4375e+01, 3.9600e-02, 1.3794e+00],  
 [6.7039e-03, 1.7480e-08, 1.0432e-03],  
 [7.9027e+00, 6.6623e-03, 8.5934e-01],  
 [2.3432e+01, 2.5585e-02, 7.3137e-01],  
 [2.0819e+01, 6.0167e-02, 5.9852e-01],  
 [1.1616e+02, 1.6438e+00, 1.9935e+00],  
 [8.0312e+01, 2.9508e-01, 2.6838e+00],  
 [1.7496e-01, 1.2792e-05, 2.0645e-02],  
 [3.8739e-01, 4.8075e-05, 3.8689e-02],  
 [5.5558e+00, 4.3566e-03, 2.2934e-01],  
 [1.4189e+00, 2.7790e-04, 1.3702e-01],  
 [2.2036e+01, 2.4821e-01, 9.5625e-01],  
 [2.9675e-03, 1.7833e-09, 4.7550e-04],  
 [4.0210e+00, 1.1553e-02, 3.3899e-01],  
 [1.7130e+01, 1.4641e-01, 1.6184e+00],  
 [4.6871e-02, 2.2329e-06, 6.3882e-03],  
 [2.6458e-01, 7.7856e-05, 3.2705e-02],  
 [3.2371e+00, 8.2315e-04, 1.8648e-01],  
 [3.9612e+01, 1.0888e-01, 1.6967e+00],  
 [5.3164e+01, 1.0416e+00, 2.8534e+00],  
 [2.8615e-01, 1.0767e-05, 2.9258e-02],  
 [3.3347e-01, 1.3765e-05, 3.5153e-02],  
 [5.0077e+00, 9.2196e-03, 4.6820e-01],  
 [9.8369e+00, 2.3664e-02, 4.4852e-01],  
 [1.2539e-01, 4.4787e-07, 1.3736e-02],  
 [9.9207e+00, 5.9319e-02, 6.6554e-01],  
 [8.9108e+00, 1.4885e-02, 4.3373e-01],  
 [1.7995e+00, 3.5538e-03, 1.8992e-01],  
 [3.2130e+00, 1.1167e-03, 2.0624e-01],  
 [6.5859e-02, 8.8082e-07, 9.2851e-03],  
 [1.2766e+02, 8.7114e-01, 2.9256e+00],  
 [2.0167e+00, 2.6045e-04, 1.3893e-01],  
 [6.5809e+00, 5.0614e-04, 3.8294e-01],



```

[1.3077e+01, 1.1235e-02, 4.8014e-01],
[3.8020e-01, 7.6897e-05, 3.6986e-02],
[4.6184e+00, 2.6525e-03, 2.8698e-01],
[7.5320e+01, 3.1788e-01, 1.5294e+00],
[1.4508e+01, 9.7862e-02, 1.4690e+00],
[5.0306e+01, 3.8256e-01, 1.8004e+00],
[7.5758e-01, 1.8471e-04, 7.6794e-02],
[3.6531e+00, 2.4422e-03, 3.1978e-01],
[4.1915e+01, 1.9654e-02, 1.5175e+00],
[4.7492e+01, 2.6280e-01, 1.7958e+00],
[2.1119e+02, 1.6215e+00, 4.3247e+00],
[1.1388e-01, 1.1216e-05, 1.4446e-02],
[4.0756e-02, 3.1960e-07, 6.3127e-03],
[1.2111e+02, 2.1523e+00, 3.1077e+00],
[1.5194e+00, 7.1418e-04, 1.2468e-01],
[8.1376e+00, 5.6534e-03, 3.4059e-01],
[8.6554e+00, 5.1702e-02, 7.7580e-01],
[6.2911e-02, 7.9065e-07, 9.5702e-03],
[1.2950e+00, 1.5047e-04, 1.0976e-01],
[1.7666e+01, 1.0086e-01, 1.3995e+00],
[3.6795e+01, 1.1483e-01, 8.0604e-01],
[3.5393e+01, 2.8366e-01, 1.7133e+00],
[3.2502e+00, 1.2079e-03, 1.3930e-01],
[4.7601e+00, 7.2488e-03, 3.3888e-01],
[2.2011e+01, 9.5112e-02, 1.0476e+00],
[9.2001e-01, 6.8279e-04, 1.0036e-01],
[4.2918e+00, 2.6735e-03, 2.0338e-01],
[1.9202e+02, 4.1678e+00, 3.4143e+00],
[2.8260e+00, 6.2716e-04, 2.2569e-01],
[2.6692e-02, 6.5302e-07, 3.7915e-03],
[7.6864e+01, 1.5782e+00, 3.3527e+00],
[5.6713e+00, 2.4085e-03, 2.6058e-01],
[2.0826e+01, 4.8310e-02, 1.4192e+00],
[1.0832e+02, 1.1268e+00, 3.8877e+00],
[4.4296e+01, 1.9118e-01, 1.0688e+00],
[3.3527e-01, 1.5215e-05, 3.7871e-02],
[2.2956e+00, 1.0899e-03, 1.3640e-01],
[2.0804e+01, 6.7567e-02, 1.1050e+00],
[5.5759e+01, 4.2556e-01, 2.3903e+00],
[8.2262e+00, 1.6142e-03, 4.3383e-01],
[3.6108e+00, 8.5060e-05, 1.7646e-01],
[1.4648e+02, 2.1277e+00, 2.7516e+00],
[4.9886e+01, 1.2171e-01, 2.5682e+00],
[1.7092e+01, 1.0168e-01, 9.7437e-01]], dtype=torch.float64)

```

Iteration: 280

```

Inputs: tensor([[3.9494e+19, 2.3841e+01, 1.7822e+01, 9.3600e+00],
               [1.4046e+20, 4.8810e+02, 6.1526e+00, 5.5708e+00],
               [2.9918e+19, 9.9111e+01, 2.5091e+00, 4.3986e+00],

```

```

...,
[4.8454e+19, 1.3447e+02, 7.3202e+00, 5.9454e+00],
[8.4582e+19, 4.7294e+02, 3.8700e+00, 1.5977e+00],
[1.9770e+18, 2.4916e+02, 9.0665e+00, 5.8585e+00]], dtype=torch.float64)
Target: tensor([[3.4732e-01, 2.6238e-04, 4.9001e-02],
[7.9214e+01, 4.6936e-01, 1.7580e+00],
[6.3759e+00, 2.9264e-03, 4.3739e-01],
[2.2620e+01, 1.3679e-02, 7.0861e-01],
[3.2504e+00, 1.7355e-03, 3.5851e-01],
[2.0857e+01, 3.2941e-02, 6.4494e-01],
[4.6129e-01, 4.1119e-05, 3.2509e-02],
[6.8914e-02, 1.4457e-06, 8.4464e-03],
[2.5374e+00, 3.3001e-04, 1.7170e-01],
[2.7362e+00, 2.7399e-03, 1.9963e-01],
[1.0371e+01, 8.7635e-02, 1.0370e+00],
[4.4572e+01, 1.4075e-01, 2.8199e+00],
[1.6840e+00, 1.4695e-04, 1.3306e-01],
[2.3829e-01, 1.0072e-06, 2.7573e-02],
[5.1984e-01, 4.2967e-05, 3.7727e-02],
[1.2031e+00, 1.0564e-03, 1.4541e-01],
[5.5008e-01, 2.9818e-05, 4.4312e-02],
[1.8317e+00, 3.2252e-04, 1.3820e-01],
[2.0883e+00, 1.2307e-03, 2.0533e-01],
[2.5307e+01, 1.0952e-01, 1.1988e+00],
[5.5495e+01, 4.6526e-01, 1.2089e+00],
[1.9819e+00, 4.9787e-04, 1.3495e-01],
[7.2594e+01, 7.7365e-01, 2.0575e+00],
[2.2934e-01, 8.0260e-05, 3.2037e-02],
[1.0330e+02, 4.3980e-01, 4.3046e+00],
[1.4072e+02, 4.5187e+00, 3.5628e+00],
[1.9859e+01, 5.4264e-02, 1.2877e+00],
[4.2522e+01, 1.5264e-01, 1.2290e+00],
[1.3452e-01, 5.8348e-06, 1.4791e-02],
[1.5320e+02, 5.5369e+00, 3.8012e+00],
[5.4466e-01, 1.4533e-04, 7.0507e-02],
[1.5936e+00, 3.5777e-04, 2.2243e-01],
[2.3545e-02, 2.9400e-07, 3.6182e-03],
[8.8672e+01, 3.8952e-01, 2.3703e+00],
[3.6594e+01, 2.3992e-02, 2.4277e+00],
[1.5660e+01, 8.1847e-02, 8.3460e-01],
[1.0142e+00, 4.5994e-05, 1.1403e-01],
[2.3015e+01, 9.3194e-02, 7.5870e-01],
[1.3624e+00, 1.3621e-03, 1.4230e-01],
[7.9928e-02, 7.9341e-06, 1.0722e-02],
[1.6858e-02, 6.3537e-08, 2.6413e-03],
[2.1266e+01, 2.5923e-01, 1.7088e+00],
[9.6108e+00, 1.7357e-02, 5.9763e-01],
[2.0659e-01, 2.1634e-05, 2.4531e-02],

```

[1.6993e-03, 6.0945e-09, 2.7125e-04],  
 [2.0963e-02, 2.4253e-07, 3.0649e-03],  
 [1.4369e-01, 1.4847e-05, 1.6306e-02],  
 [6.0781e-02, 1.1968e-06, 7.8329e-03],  
 [8.9212e+00, 9.4770e-03, 5.9522e-01],  
 [1.6658e+01, 7.7782e-02, 1.4225e+00],  
 [1.6233e+01, 1.1839e-02, 5.5657e-01],  
 [3.0395e+01, 1.7482e-01, 1.2215e+00],  
 [6.8316e-01, 4.2654e-05, 5.9886e-02],  
 [1.4290e+00, 6.4594e-04, 1.8464e-01],  
 [7.1194e+01, 3.0237e-01, 3.7236e+00],  
 [4.9985e+01, 2.4753e-01, 1.7998e+00],  
 [1.3350e+02, 5.7013e+00, 3.7518e+00],  
 [2.3039e+02, 3.2843e+00, 4.2911e+00],  
 [2.1536e+00, 9.3698e-04, 1.6258e-01],  
 [1.4887e+01, 9.3955e-03, 8.2126e-01],  
 [6.8711e+01, 1.0098e-01, 2.4953e+00],  
 [3.3446e+00, 3.0585e-04, 1.6225e-01],  
 [5.4451e+01, 5.6087e-02, 1.1321e+00],  
 [1.4904e+02, 4.6719e+00, 3.2844e+00],  
 [5.9312e+01, 6.0973e-01, 1.8286e+00],  
 [1.1297e+02, 1.7803e+00, 3.1807e+00],  
 [4.1739e-02, 3.0971e-08, 5.5749e-03],  
 [6.2522e-01, 3.7609e-04, 8.1287e-02],  
 [6.1223e+00, 1.3893e-03, 2.8806e-01],  
 [6.9013e+01, 1.0321e+00, 2.1156e+00],  
 [6.6894e+01, 9.1024e-01, 1.9974e+00],  
 [8.7258e-01, 1.7781e-04, 7.6897e-02],  
 [2.5664e+00, 2.9215e-03, 2.1244e-01],  
 [6.1449e-03, 2.2607e-08, 9.4648e-04],  
 [5.4593e-01, 8.5736e-06, 6.1335e-02],  
 [4.7128e+00, 8.8494e-03, 2.9326e-01],  
 [1.0542e+01, 2.5675e-02, 5.1612e-01],  
 [3.5670e-01, 3.4534e-05, 3.7068e-02],  
 [5.6511e-02, 6.1329e-07, 7.9895e-03],  
 [1.2467e+02, 2.1814e+00, 2.8107e+00],  
 [6.4633e+00, 1.5468e-02, 3.8617e-01],  
 [1.2163e+00, 1.6498e-04, 8.8110e-02],  
 [1.2714e+00, 3.0886e-04, 1.2603e-01],  
 [2.2406e+00, 1.2923e-03, 1.4867e-01],  
 [2.9223e+02, 5.1021e+00, 4.9461e+00],  
 [2.6543e+00, 2.1357e-03, 1.5695e-01],  
 [5.3493e+01, 6.6484e-01, 1.5053e+00],  
 [3.2747e+01, 3.8811e-02, 1.2655e+00],  
 [2.1744e-01, 1.1817e-05, 2.8409e-02],  
 [6.3665e-01, 1.1210e-04, 6.1352e-02],  
 [5.9400e+01, 1.8004e-01, 3.0507e+00],  
 [1.2311e+02, 2.5713e-01, 3.2670e+00],

[1.6603e+01, 2.0057e-03, 7.9634e-01],  
 [1.0391e+01, 1.1876e-02, 3.8952e-01],  
 [9.2995e+01, 2.0683e+00, 2.5036e+00],  
 [2.2731e+00, 2.9184e-04, 1.3301e-01],  
 [5.9076e-01, 1.0042e-04, 5.9714e-02],  
 [1.5960e+01, 4.2649e-02, 6.2856e-01],  
 [1.3895e-01, 9.3672e-06, 1.9599e-02],  
 [1.5613e+02, 3.2870e+00, 4.0368e+00],  
 [1.8713e+00, 3.8194e-04, 1.5383e-01],  
 [2.1803e+00, 2.3930e-05, 1.5458e-01],  
 [3.0262e+00, 6.7952e-04, 3.2658e-01],  
 [8.8117e+01, 2.6876e+00, 3.8111e+00],  
 [5.3926e-01, 7.9542e-05, 3.7403e-02],  
 [1.7901e+02, 4.3957e+00, 4.2384e+00],  
 [8.7962e+01, 1.7272e+00, 3.0971e+00],  
 [1.8127e-01, 1.7770e-05, 2.1884e-02],  
 [5.5311e+01, 3.2993e-01, 1.0846e+00],  
 [2.0829e+00, 3.4945e-04, 2.2055e-01],  
 [2.5712e+00, 7.4314e-04, 1.9512e-01],  
 [3.3569e+01, 2.2294e-01, 1.2806e+00],  
 [6.2121e+01, 2.0282e-01, 1.4799e+00],  
 [8.6106e+00, 2.3283e-02, 4.0188e-01],  
 [4.2976e+01, 2.4217e-02, 2.1474e+00],  
 [2.1055e+02, 6.4203e+00, 3.9164e+00],  
 [2.1297e+00, 6.2515e-04, 2.6357e-01],  
 [3.3967e+00, 2.7399e-03, 1.9063e-01],  
 [9.3977e+00, 1.3785e-02, 6.2155e-01],  
 [2.7715e+00, 3.2491e-03, 1.8587e-01],  
 [2.3405e-01, 1.6347e-05, 3.0528e-02],  
 [4.3294e+00, 2.2229e-03, 2.4714e-01],  
 [2.7582e+00, 4.6772e-03, 2.5131e-01],  
 [1.4438e-01, 3.0279e-06, 1.9272e-02],  
 [2.4572e+02, 8.2635e+00, 4.6929e+00],  
 [1.1508e+00, 2.6748e-04, 1.3349e-01],  
 [8.7295e-01, 2.2487e-04, 6.1832e-02],  
 [2.8940e+01, 1.2658e-01, 1.6708e+00],  
 [2.7028e+00, 4.8521e-04, 1.5938e-01],  
 [1.0967e+02, 1.9809e-01, 2.3312e+00],  
 [3.1622e+00, 8.8076e-04, 2.0346e-01],  
 [2.4560e+00, 9.5712e-04, 1.3286e-01],  
 [1.4590e-01, 1.7542e-06, 1.8343e-02],  
 [1.4424e+01, 1.7423e-02, 6.0847e-01],  
 [1.0691e+01, 1.1031e-02, 5.9132e-01],  
 [3.7158e-01, 1.1016e-04, 4.1686e-02],  
 [5.6563e+01, 9.3277e-01, 1.6671e+00],  
 [4.0202e-02, 1.4629e-06, 5.5049e-03],  
 [1.5397e+02, 3.6393e+00, 2.6990e+00],  
 [9.5077e-01, 3.8930e-04, 1.2693e-01],

[1.4975e+01, 6.7277e-02, 5.8968e-01],  
 [7.9589e+01, 2.2519e+00, 3.2468e+00],  
 [3.8523e+00, 9.6688e-03, 4.0948e-01],  
 [2.9353e+00, 2.4234e-03, 2.3455e-01],  
 [1.2426e+00, 2.8154e-04, 7.4367e-02],  
 [3.1259e+01, 1.8365e-01, 1.1311e+00],  
 [7.7805e+01, 1.5476e+00, 2.6937e+00],  
 [2.5274e+00, 2.4911e-03, 1.9868e-01],  
 [9.4816e+01, 3.7813e-01, 2.5683e+00],  
 [3.4949e-01, 5.0791e-05, 4.4509e-02],  
 [1.0461e+02, 1.4873e+00, 1.9746e+00],  
 [3.5920e-01, 1.4132e-05, 3.9622e-02],  
 [3.2822e-01, 5.1824e-05, 4.0597e-02],  
 [9.5653e+00, 2.1776e-02, 5.7345e-01],  
 [3.0581e+01, 7.1530e-02, 7.3325e-01],  
 [4.4773e+00, 3.5674e-03, 2.6594e-01],  
 [4.3079e+01, 7.1719e-01, 2.3232e+00],  
 [1.2638e-02, 1.1395e-07, 1.9178e-03],  
 [8.5112e+01, 1.5200e+00, 2.4857e+00],  
 [7.7216e+01, 2.8887e-01, 2.0715e+00],  
 [1.3007e+01, 7.1801e-02, 1.2309e+00],  
 [7.7738e-01, 6.1698e-05, 5.8052e-02],  
 [1.3109e-01, 6.6245e-06, 1.5226e-02],  
 [2.5345e-01, 4.3983e-05, 3.4053e-02],  
 [9.5994e-01, 6.7320e-05, 9.8672e-02],  
 [6.6930e-01, 1.5938e-04, 5.5198e-02],  
 [1.8711e+01, 5.1609e-02, 1.0042e+00],  
 [3.5430e+00, 3.4761e-03, 2.6983e-01],  
 [2.0045e+00, 1.0816e-04, 1.3620e-01],  
 [4.6143e+00, 7.7830e-03, 4.0769e-01],  
 [2.4179e+01, 4.0078e-02, 1.0389e+00],  
 [4.1282e-01, 3.9929e-05, 5.1185e-02],  
 [2.7603e+01, 4.8334e-02, 7.9441e-01],  
 [1.0086e+01, 3.4958e-03, 8.5923e-01],  
 [5.8017e-01, 3.0904e-04, 6.7713e-02],  
 [7.7536e+01, 9.9572e-01, 2.7311e+00],  
 [1.3505e-01, 1.0508e-05, 1.7662e-02],  
 [8.2290e+00, 1.6968e-02, 4.7235e-01],  
 [7.2523e+00, 1.7148e-03, 4.3959e-01],  
 [1.7973e+01, 2.1120e-02, 1.1202e+00],  
 [4.8398e-01, 1.3307e-04, 4.6894e-02],  
 [6.4832e+01, 5.4705e-01, 2.8691e+00],  
 [4.9095e+01, 1.1864e-01, 1.2543e+00],  
 [1.9939e+00, 3.2626e-04, 1.5236e-01],  
 [7.3875e+00, 1.8339e-02, 4.2607e-01],  
 [6.3983e+01, 6.2687e-01, 1.5327e+00],  
 [3.4827e+00, 1.5380e-03, 2.0140e-01],  
 [1.3740e-01, 3.8188e-06, 1.7446e-02],

[1.2019e+00, 1.3035e-04, 1.4005e-01],  
 [2.6623e+00, 1.7049e-03, 1.6709e-01],  
 [5.8488e-02, 5.5470e-06, 8.7926e-03],  
 [2.2299e+01, 4.9027e-02, 1.1722e+00],  
 [3.0270e+01, 1.5303e-01, 1.4261e+00],  
 [1.8125e+02, 4.8125e-01, 4.0734e+00],  
 [1.7121e+01, 4.9709e-02, 1.3117e+00],  
 [2.9757e+01, 3.6108e-02, 1.0344e+00],  
 [1.3100e+02, 4.9220e-01, 3.0548e+00],  
 [1.3588e-03, 1.3478e-10, 2.1814e-04],  
 [4.2628e+01, 3.4203e-01, 1.2660e+00],  
 [1.0764e-01, 2.0272e-06, 1.4934e-02],  
 [7.0787e+00, 1.9241e-02, 5.1599e-01],  
 [3.1167e+01, 4.1108e-01, 2.1515e+00],  
 [2.3522e-02, 7.1246e-07, 3.6886e-03],  
 [1.3389e+00, 1.7005e-04, 1.5566e-01],  
 [8.5466e-01, 2.3187e-04, 6.9842e-02],  
 [1.1871e+00, 2.3059e-04, 9.0417e-02],  
 [5.2189e+01, 1.7260e-01, 2.2694e+00],  
 [1.0049e-01, 8.3078e-06, 1.2018e-02],  
 [2.6478e-01, 1.5960e-05, 2.3953e-02],  
 [9.1004e-01, 1.4330e-04, 1.0976e-01],  
 [2.2030e+02, 1.0090e+01, 4.6238e+00],  
 [1.0361e+02, 2.0099e+00, 3.1846e+00],  
 [6.2239e+00, 8.2777e-03, 4.2882e-01],  
 [4.3024e-01, 2.2304e-05, 4.0353e-02],  
 [1.1159e+00, 2.1412e-04, 1.0745e-01],  
 [9.8827e+01, 5.0155e-01, 2.9780e+00],  
 [2.6444e+00, 1.5640e-03, 1.8977e-01],  
 [7.8760e-01, 8.4582e-05, 8.7217e-02],  
 [1.2604e+01, 8.6826e-03, 8.4714e-01],  
 [6.3308e-01, 1.4036e-04, 7.1324e-02],  
 [6.5190e+01, 9.3203e-01, 1.6096e+00],  
 [1.3512e-01, 1.2148e-05, 2.0255e-02],  
 [5.3413e+01, 5.6225e-02, 2.5118e+00],  
 [4.9936e+01, 5.3811e-02, 1.3148e+00],  
 [6.6329e-02, 5.4398e-06, 1.0129e-02],  
 [4.4389e+00, 8.1899e-03, 2.8010e-01],  
 [1.0772e+00, 1.2895e-04, 1.1994e-01],  
 [2.0559e+01, 4.8969e-02, 8.3408e-01],  
 [8.2189e-02, 5.5200e-06, 1.1744e-02],  
 [7.9497e-01, 6.4273e-05, 6.3488e-02],  
 [2.0334e+00, 2.6796e-04, 1.9093e-01],  
 [1.6066e+02, 1.8031e+00, 2.5896e+00],  
 [1.2300e+01, 1.8782e-02, 4.1862e-01],  
 [8.4559e+00, 3.6214e-02, 5.7239e-01],  
 [1.8453e+01, 1.8452e-02, 6.5396e-01],  
 [1.9966e+01, 1.9712e-01, 1.5054e+00],

[2.8932e+00, 5.9393e-04, 1.4875e-01],  
 [5.7697e-01, 2.9465e-04, 6.2195e-02],  
 [4.9572e+00, 7.8253e-03, 4.1952e-01],  
 [2.0804e+01, 1.0158e-01, 8.3588e-01],  
 [2.8456e-03, 7.0778e-10, 4.5137e-04],  
 [1.7439e+02, 7.4156e-01, 4.2344e+00],  
 [7.3119e-01, 9.4588e-06, 5.7097e-02],  
 [3.3157e+00, 2.5825e-03, 2.4860e-01],  
 [1.5946e+01, 4.8050e-02, 6.3972e-01],  
 [7.9941e+01, 1.0443e+00, 2.9823e+00],  
 [2.0871e+02, 2.1071e+00, 3.8028e+00],  
 [7.7431e-02, 1.9646e-06, 1.0838e-02],  
 [1.0919e-01, 9.5205e-06, 1.5898e-02],  
 [7.5881e-01, 1.5497e-04, 7.6225e-02],  
 [2.3804e-02, 3.6120e-07, 3.3745e-03],  
 [7.7006e+01, 1.1929e+00, 2.1363e+00],  
 [2.6806e-02, 4.1811e-07, 3.7687e-03],  
 [7.8078e+01, 7.4541e-01, 2.4193e+00],  
 [2.6442e+02, 7.8679e+00, 4.1156e+00],  
 [1.9966e+01, 1.7695e-01, 1.5568e+00],  
 [1.3338e+00, 6.3504e-04, 1.0057e-01],  
 [4.2227e+01, 9.5405e-02, 2.9388e+00],  
 [1.1633e+01, 5.5139e-03, 6.9850e-01],  
 [4.1009e-01, 1.4947e-05, 3.7341e-02],  
 [8.3149e+00, 7.6782e-03, 5.0650e-01],  
 [1.8124e+02, 2.2056e+00, 3.5814e+00],  
 [6.9246e-02, 1.2224e-06, 9.5345e-03],  
 [2.0794e+02, 6.8241e+00, 4.6274e+00],  
 [9.2754e+01, 7.6553e-01, 1.6869e+00],  
 [1.6438e-01, 6.0623e-06, 1.7323e-02],  
 [4.2069e+00, 2.9510e-03, 4.0451e-01],  
 [1.3966e+02, 5.4265e+00, 4.4173e+00],  
 [4.9005e+00, 7.8298e-03, 4.1593e-01],  
 [1.8051e-01, 1.0270e-05, 2.2917e-02],  
 [3.0715e+01, 2.2298e-01, 1.8447e+00],  
 [3.6735e+01, 1.8868e-01, 1.5235e+00],  
 [2.1944e+02, 5.8095e+00, 3.8207e+00],  
 [1.4460e+01, 2.1926e-02, 5.0270e-01],  
 [4.5335e+00, 4.3501e-03, 2.6330e-01],  
 [2.6878e-01, 3.5818e-05, 3.1875e-02],  
 [1.4933e+00, 6.8657e-04, 1.0685e-01],  
 [5.2837e-01, 4.2057e-05, 5.4887e-02],  
 [1.8367e+01, 1.3676e-01, 8.1951e-01],  
 [2.9740e+00, 6.3100e-04, 3.1969e-01],  
 [2.8629e+02, 1.2167e+01, 4.8814e+00],  
 [1.2154e+02, 4.9283e-01, 4.2723e+00],  
 [6.8979e+01, 3.9394e-01, 1.6541e+00],  
 [1.7814e+01, 4.4598e-02, 5.7547e-01],

```

[3.5078e+00, 1.5357e-02, 3.6543e-01],
[1.0852e+02, 2.7408e+00, 3.2448e+00],
[8.0562e+01, 8.9225e-02, 1.9486e+00],
[1.3865e+02, 1.1928e+00, 2.6679e+00],
[6.3085e-01, 1.9478e-04, 7.5443e-02],
[4.2894e+00, 3.8435e-03, 2.9452e-01],
[4.7732e+00, 3.5080e-03, 4.3204e-01],
[5.5149e+00, 5.6624e-03, 2.8762e-01],
[1.6244e+02, 1.0155e+00, 4.3159e+00],
[5.3944e-01, 1.2058e-04, 5.1597e-02],
[8.6828e+00, 3.0075e-02, 5.4120e-01],
[3.4631e-03, 3.4739e-09, 5.5110e-04],
[4.7314e+00, 4.5163e-03, 2.7511e-01],
[7.2522e+01, 3.8786e-01, 3.1118e+00],
[1.5545e+01, 2.9843e-02, 8.4752e-01],
[1.1111e-01, 2.1146e-06, 1.3663e-02],
[1.4256e+02, 6.5301e-01, 3.0564e+00],
[1.3104e-01, 8.3678e-07, 1.7599e-02],
[6.7360e+01, 1.0892e-01, 2.7390e+00],
[1.5030e-01, 3.6082e-06, 1.5830e-02],
[1.8369e-01, 6.9530e-06, 2.0242e-02],
[1.3910e-01, 2.1826e-06, 1.4812e-02],
[4.3336e+00, 3.5624e-03, 3.2818e-01],
[8.5421e-01, 7.5582e-05, 6.1648e-02],
[2.3315e+01, 1.8432e-01, 1.3144e+00],
[3.5639e-01, 5.0226e-05, 4.0759e-02],
[3.8135e+00, 3.4967e-03, 3.4551e-01],
[3.6146e+01, 2.2027e-01, 1.2517e+00],
[1.7019e+00, 4.0237e-04, 1.9714e-01],
[2.5009e-01, 4.3213e-05, 2.6163e-02],
[5.8229e+00, 4.1621e-03, 6.1752e-01],
[6.1428e+00, 4.2047e-03, 6.7873e-01],
[1.4382e+00, 5.4133e-04, 1.1812e-01],
[1.1312e+01, 2.2650e-02, 6.7151e-01],
[3.9351e+01, 1.8338e-02, 1.2429e+00],
[2.2867e-01, 1.4737e-05, 2.4847e-02]], dtype=torch.float64)
Iteration: 281
Inputs: tensor([[5.9196e+18, 2.1412e+02, 1.4825e+01, 2.7063e+00],
[9.2156e+19, 9.5437e+01, 7.6116e+00, 1.6620e+00],
[1.1342e+18, 2.5836e+02, 7.9823e+00, 1.0861e+00],
[2.2819e+20, 8.2320e+01, 6.8783e-01, 2.9578e+00],
[6.4400e+19, 2.7342e+02, 1.9429e+01, 2.4805e+00],
[4.2548e+18, 4.1900e+02, 7.3138e+00, 5.1399e+00],
[1.8450e+18, 5.3682e+01, 1.6579e+01, 2.6228e+00],
[6.6241e+19, 2.4043e+02, 1.7704e+01, 4.4358e+00],
[9.3460e+19, 1.8275e+02, 2.9609e+00, 4.8843e+00],
[1.1470e+20, 1.4180e+02, 1.4325e+01, 2.1829e+00],
[5.7993e+19, 2.5542e+02, 2.0105e+00, 8.7615e+00],

```



[2.2969e+19, 1.6897e+02, 8.4452e+00, 5.3676e+00],  
[5.2883e+20, 3.9814e+02, 2.7589e+00, 5.2772e+00],  
[1.5825e+20, 7.6739e+01, 5.9170e+00, 7.8533e+00],  
[2.5531e+18, 4.2384e+02, 1.0611e+01, 7.8881e+00],  
[7.8483e+20, 2.1826e+02, 1.6671e+01, 3.1626e+00],  
[2.4920e+19, 4.8639e+01, 1.9731e+00, 2.8921e+00],  
[4.7322e+20, 6.6967e+01, 1.3686e+00, 8.4995e+00],  
[9.0220e+18, 4.5288e+02, 4.7999e+00, 6.0975e+00],  
[5.1938e+20, 1.5100e+02, 1.4989e+01, 3.1858e+00],  
[9.7692e+19, 3.1451e+02, 1.5136e+01, 2.0719e+00],  
[5.5706e+20, 2.4358e+02, 1.3042e+01, 1.1080e+00],  
[3.2966e+20, 2.8371e+01, 1.4524e+01, 7.6422e+00],  
[6.3317e+19, 3.8150e+01, 3.5983e+00, 6.4404e+00],  
[3.1030e+18, 2.8110e+02, 2.1765e+00, 8.2460e+00],  
[1.2172e+20, 4.9203e+02, 8.6731e+00, 5.2066e+00],  
[1.9041e+20, 2.7678e+02, 9.7259e+00, 1.4579e+00],  
[1.1649e+20, 3.5459e+02, 1.6075e+01, 7.2341e+00],  
[3.7543e+18, 4.3697e+02, 7.6459e+00, 4.2728e+00],  
[5.7736e+18, 2.2188e+02, 9.6583e+00, 1.8106e+00],  
[3.0066e+19, 2.6684e+02, 3.5216e+00, 7.1263e+00],  
[7.7655e+18, 1.6987e+02, 1.7740e+01, 7.0893e+00],  
[2.0502e+19, 2.5685e+02, 8.6929e+00, 3.1500e+00],  
[3.3042e+20, 2.5980e+02, 3.7537e+00, 3.4027e+00],  
[5.4564e+20, 3.1026e+02, 9.7412e+00, 8.6665e+00],  
[5.3095e+20, 3.0157e+02, 1.4044e+01, 9.8936e+00],  
[4.8302e+18, 3.7348e+02, 7.7382e+00, 1.5082e+00],  
[2.0610e+20, 4.4135e+02, 8.2717e+00, 5.5258e+00],  
[7.5900e+19, 1.3782e+02, 1.0671e+01, 4.9595e+00],  
[4.9275e+20, 3.6733e+02, 2.6288e+00, 2.0455e+00],  
[2.2401e+20, 4.3509e+02, 1.2553e+01, 1.5116e+00],  
[6.3543e+20, 2.3046e+02, 1.6098e+01, 4.6193e+00],  
[3.2904e+18, 4.0671e+02, 7.5068e+00, 9.4803e+00],  
[3.0558e+18, 4.6508e+02, 1.0126e+01, 6.1691e+00],  
[6.3891e+20, 3.0334e+02, 5.6073e+00, 8.4876e+00],  
[5.6270e+19, 1.0366e+02, 1.1889e+01, 1.6158e+00],  
[1.5743e+19, 4.1040e+01, 4.7730e+00, 1.6310e+00],  
[8.5322e+19, 9.0455e+01, 1.4190e+01, 4.9297e+00],  
[1.4158e+18, 1.4561e+02, 1.8350e+01, 7.1784e+00],  
[2.3346e+19, 3.0637e+02, 1.0684e+01, 2.5194e+00],  
[1.0346e+20, 3.7753e+02, 9.7006e+00, 6.2385e+00],  
[1.0639e+20, 4.8410e+02, 8.1690e+00, 1.1670e+00],  
[8.0136e+19, 1.4719e+02, 1.8637e+00, 1.6724e+00],  
[5.1923e+20, 1.3015e+02, 1.5138e+01, 3.2735e+00],  
[7.6540e+20, 4.7250e+02, 1.8782e+01, 3.6283e+00],  
[1.6557e+20, 7.0344e+01, 1.3076e+01, 4.4736e+00],  
[2.6324e+18, 1.3561e+02, 1.0909e+01, 6.0068e+00],  
[3.6107e+19, 1.8566e+02, 1.3629e+01, 5.6889e+00],  
[6.4798e+19, 1.0932e+02, 2.6976e+00, 2.0061e+00],

```

[1.9880e+18, 4.4883e+02, 1.7824e+01, 5.7569e+00],
[5.7963e+19, 3.4795e+02, 2.4164e+00, 4.6848e+00],
[1.5191e+18, 4.9365e+02, 5.8914e+00, 7.9411e+00],
[1.9208e+18, 5.9581e+01, 1.6927e+01, 5.0818e+00],
[1.3142e+19, 1.1775e+02, 1.0280e+01, 7.1401e+00],
[1.5576e+18, 4.3943e+02, 1.7224e+00, 4.1463e+00],
[1.7036e+19, 9.7291e+01, 1.2169e+01, 2.9874e+00],
[4.2617e+18, 2.6810e+02, 3.8074e+00, 2.7440e+00],
[4.1970e+18, 2.3251e+02, 4.8877e+00, 4.6267e+00],
[4.4731e+18, 2.0858e+02, 5.9359e+00, 3.5538e+00],
[1.6069e+18, 3.3403e+02, 1.1842e+00, 5.7001e+00],
[2.8028e+20, 1.4775e+02, 2.0901e+00, 8.6453e+00],
[7.1983e+20, 9.0277e+01, 1.5968e+01, 4.6550e+00],
[3.1030e+18, 1.8939e+02, 6.2617e+00, 6.4689e+00],
[2.9468e+20, 1.0927e+02, 8.5204e+00, 7.1832e+00],
[1.0678e+18, 2.0281e+02, 9.8893e+00, 3.9896e+00],
[9.4133e+18, 3.1110e+02, 1.0277e+01, 9.6631e+00],
[2.2719e+18, 4.7174e+02, 1.6674e+01, 5.0138e+00],
[5.2043e+20, 3.7711e+02, 6.7831e+00, 1.6900e+00],
[4.0348e+18, 4.8598e+02, 2.3442e+00, 4.2152e+00],
[1.0224e+18, 1.3124e+02, 2.3677e+00, 2.6282e+00]], dtype=torch.float64)
Target: tensor([[2.0503e-01, 9.6624e-06, 2.6629e-02],
[3.9169e+00, 1.1369e-03, 4.0903e-01],
[1.0770e-02, 7.2793e-09, 1.6090e-03],
[4.3959e+01, 3.4613e-02, 1.9443e+00],
[7.0116e+00, 8.8219e-03, 5.6690e-01],
[1.6428e+00, 2.8838e-04, 1.1187e-01],
[1.4260e-03, 8.0266e-10, 2.3035e-04],
[1.2419e+01, 3.6402e-02, 7.7564e-01],
[3.5860e+01, 7.2838e-02, 1.2761e+00],
[5.5804e+00, 4.7555e-03, 5.4730e-01],
[3.8773e+01, 1.8949e-01, 1.0303e+00],
[4.8238e+00, 4.0295e-03, 3.4869e-01],
[2.0612e+02, 1.8923e+00, 3.6880e+00],
[2.1979e+01, 1.1590e-01, 1.3195e+00],
[8.4881e-01, 1.9671e-04, 6.4707e-02],
[6.2502e+01, 4.4509e-01, 3.3796e+00],
[1.5831e+00, 1.5506e-04, 1.7010e-01],
[6.6243e+01, 5.9035e-01, 2.8978e+00],
[6.2802e+00, 3.0661e-03, 2.6969e-01],
[3.3090e+01, 1.4945e-01, 2.2485e+00],
[1.2981e+01, 1.5487e-02, 8.8947e-01],
[2.3171e+01, 2.4645e-02, 1.8756e+00],
[4.8718e+00, 2.2344e-02, 5.6785e-01],
[4.6584e+00, 5.9550e-03, 4.3461e-01],
[1.3984e+00, 2.6707e-04, 9.0887e-02],
[6.2318e+01, 3.3752e-01, 1.5927e+00],
[2.1216e+01, 1.6960e-02, 1.3715e+00],

```

[4.1828e+01, 4.1427e-01, 1.4562e+00],  
 [1.2255e+00, 1.4102e-04, 9.1352e-02],  
 [2.1899e-01, 4.6915e-06, 2.8114e-02],  
 [1.7927e+01, 3.2154e-02, 6.4450e-01],  
 [6.2638e-01, 2.5281e-04, 6.9360e-02],  
 [4.4034e+00, 1.6500e-03, 3.2083e-01],  
 [9.5442e+01, 2.6707e-01, 2.7145e+00],  
 [1.5084e+02, 4.0158e+00, 3.6439e+00],  
 [1.3386e+02, 4.8455e+00, 3.5438e+00],  
 [4.3976e-01, 9.2477e-06, 4.8646e-02],  
 [8.7559e+01, 6.7289e-01, 2.1490e+00],  
 [1.2301e+01, 2.9621e-02, 8.0499e-01],  
 [1.4969e+02, 2.3407e-01, 3.4696e+00],  
 [3.2185e+01, 4.1496e-02, 1.7313e+00],  
 [7.7326e+01, 8.7086e-01, 3.3870e+00],  
 [1.5792e+00, 6.0304e-04, 9.8744e-02],  
 [1.0639e+00, 2.0454e-04, 7.8407e-02],  
 [1.9127e+02, 4.6740e+00, 4.0245e+00],  
 [1.4067e+00, 2.8770e-04, 1.7141e-01],  
 [1.1659e-01, 1.0753e-06, 1.7093e-02],  
 [5.8955e+00, 1.2794e-02, 5.3915e-01],  
 [2.6699e-02, 7.3984e-07, 3.7981e-03],  
 [4.3211e+00, 1.5388e-03, 3.2958e-01],  
 [4.7609e+01, 2.9344e-01, 1.4142e+00],  
 [2.3311e+01, 1.1045e-02, 1.1834e+00],  
 [2.0909e+01, 4.8932e-03, 1.0252e+00],  
 [2.7967e+01, 1.2259e-01, 2.0570e+00],  
 [1.2349e+02, 1.5428e+00, 4.1039e+00],  
 [7.1550e+00, 1.6453e-02, 6.9301e-01],  
 [1.0352e-01, 5.0978e-06, 1.3513e-02],  
 [7.0422e+00, 1.3344e-02, 4.8730e-01],  
 [1.1529e+01, 3.1825e-03, 7.4371e-01],  
 [2.8342e-01, 3.1689e-05, 2.9229e-02],  
 [4.1677e+01, 7.4499e-02, 1.0399e+00],  
 [7.0867e-01, 8.8910e-05, 4.7749e-02],  
 [5.2946e-03, 2.2830e-08, 8.3119e-04],  
 [1.3913e+00, 8.0006e-04, 1.3837e-01],  
 [8.0849e-01, 2.4238e-05, 5.1505e-02],  
 [4.3173e-01, 4.8633e-05, 5.6119e-02],  
 [9.2695e-01, 3.5662e-05, 8.0472e-02],  
 [9.0910e-01, 8.4621e-05, 7.9132e-02],  
 [5.7454e-01, 3.3312e-05, 5.8635e-02],  
 [7.2887e-01, 3.4604e-05, 4.9630e-02],  
 [8.1454e+01, 7.8579e-01, 2.4546e+00],  
 [3.1009e+01, 2.4830e-01, 2.3523e+00],  
 [4.4813e-01, 4.7715e-05, 4.5177e-02],  
 [4.1526e+01, 3.4882e-01, 2.0924e+00],  
 [3.2542e-02, 3.0257e-07, 4.4367e-03],

```
[3.9817e+00, 4.7454e-03, 2.3281e-01],
[3.4735e-01, 3.6616e-05, 3.4967e-02],
[9.2412e+01, 1.6080e-01, 3.2850e+00],
[2.8588e+00, 2.6846e-04, 1.3857e-01],
[4.0373e-02, 1.0523e-07, 5.3463e-03]], dtype=torch.float64)
```

[14]: *#Can we apply a log to just intens section of the inputs?*

```
copy = inputs
intensCopy = row[:, 0:1]

intensCopy = np.log(intensCopy)

#print(intensCopy)

#processedInput =

#Can we concatenate this with the other tensors?

print("Size:", intensCopy.size())
print("Size:", row[:,1:4].size())

concatVer = torch.cat((intensCopy, row[:, 1:4]), axis = 1)

print(concatVer)
print(row[:,0:4])
```

```
Size: torch.Size([320, 1])
Size: torch.Size([320, 3])
tensor([[ 44.9578, 329.1354,  7.3251,  2.6762],
        [ 46.8221, 281.7589, 19.8001,  1.4083],
        [ 47.7481, 267.0071, 11.4944,  7.5930],
        ...,
        [ 42.2319, 238.9690,  6.8343,  1.5268],
        [ 43.0730, 493.0260,  9.2126,  8.3730],
        [ 41.6355, 422.8455,  6.3417,  8.4278]], dtype=torch.float64)
tensor([[3.3490e+19, 3.2914e+02, 7.3251e+00, 2.6762e+00],
        [2.1606e+20, 2.8176e+02, 1.9800e+01, 1.4083e+00],
        [5.4541e+20, 2.6701e+02, 1.1494e+01, 7.5930e+00],
        ...,
        [2.1932e+18, 2.3897e+02, 6.8343e+00, 1.5268e+00],
        [5.0860e+18, 4.9303e+02, 9.2126e+00, 8.3730e+00],
        [1.2080e+18, 4.2285e+02, 6.3417e+00, 8.4278e+00]], dtype=torch.float64)
```

[15]: *#Initialize neural network*

```
#model = MLP()
model = MLP().to('cuda') #GPU Version, comment out if not using GPU
```

```

loss_function = nn.MSELoss()
optimizer = torch.optim.Adam(model.parameters(), lr=1e-2)
numEpochs = 20

print(model)

trainNetwork(model, loss_function, optimizer, numEpochs, dataloader, numOutputs,
    ↪= 1)

```

```

MLP(
  (norm0): BatchNorm1d(4, eps=1e-05, momentum=0.1, affine=True,
track_running_stats=True)
  (linear1): Linear(in_features=4, out_features=64, bias=True)
  (norm1): BatchNorm1d(64, eps=1e-05, momentum=0.1, affine=True,
track_running_stats=True)
  (act1): SELU()
  (linear2): Linear(in_features=64, out_features=16, bias=True)
  (norm2): BatchNorm1d(16, eps=1e-05, momentum=0.1, affine=True,
track_running_stats=True)
  (act2): SELU()
  (output): Linear(in_features=16, out_features=1, bias=True)
)

```

Starting epoch 1

```

Loss after mini-batch      1: 0.025
Loss after mini-batch     11: 0.061
Loss after mini-batch     21: 0.025
Loss after mini-batch     31: 0.013
Loss after mini-batch     41: 0.008
Loss after mini-batch     51: 0.007
Loss after mini-batch     61: 0.006
Loss after mini-batch     71: 0.005
Loss after mini-batch     81: 0.005
Loss after mini-batch     91: 0.004
Loss after mini-batch    101: 0.004
Loss after mini-batch    111: 0.004
Loss after mini-batch    121: 0.003
Loss after mini-batch    131: 0.003
Loss after mini-batch    141: 0.003
Loss after mini-batch    151: 0.003
Loss after mini-batch    161: 0.003
Loss after mini-batch    171: 0.003
Loss after mini-batch    181: 0.003
Loss after mini-batch    191: 0.003
Loss after mini-batch    201: 0.002
Loss after mini-batch    211: 0.002
Loss after mini-batch    221: 0.003
Loss after mini-batch    231: 0.003

```

Loss after mini-batch	241:	0.002
Loss after mini-batch	251:	0.002
Loss after mini-batch	261:	0.003
Loss after mini-batch	271:	0.002
Loss after mini-batch	281:	0.002
Starting epoch 2		
Loss after mini-batch	1:	0.000
Loss after mini-batch	11:	0.002
Loss after mini-batch	21:	0.002
Loss after mini-batch	31:	0.002
Loss after mini-batch	41:	0.002
Loss after mini-batch	51:	0.002
Loss after mini-batch	61:	0.002
Loss after mini-batch	71:	0.002
Loss after mini-batch	81:	0.003
Loss after mini-batch	91:	0.002
Loss after mini-batch	101:	0.002
Loss after mini-batch	111:	0.002
Loss after mini-batch	121:	0.002
Loss after mini-batch	131:	0.002
Loss after mini-batch	141:	0.002
Loss after mini-batch	151:	0.001
Loss after mini-batch	161:	0.002
Loss after mini-batch	171:	0.002
Loss after mini-batch	181:	0.001
Loss after mini-batch	191:	0.002
Loss after mini-batch	201:	0.001
Loss after mini-batch	211:	0.001
Loss after mini-batch	221:	0.002
Loss after mini-batch	231:	0.002
Loss after mini-batch	241:	0.001
Loss after mini-batch	251:	0.001
Loss after mini-batch	261:	0.001
Loss after mini-batch	271:	0.002
Loss after mini-batch	281:	0.002
Starting epoch 3		
Loss after mini-batch	1:	0.000
Loss after mini-batch	11:	0.002
Loss after mini-batch	21:	0.001
Loss after mini-batch	31:	0.002
Loss after mini-batch	41:	0.002
Loss after mini-batch	51:	0.002
Loss after mini-batch	61:	0.002
Loss after mini-batch	71:	0.001
Loss after mini-batch	81:	0.001
Loss after mini-batch	91:	0.001
Loss after mini-batch	101:	0.002
Loss after mini-batch	111:	0.002

```

Loss after mini-batch 121: 0.001
Loss after mini-batch 131: 0.001
Loss after mini-batch 141: 0.002
Loss after mini-batch 151: 0.002
Loss after mini-batch 161: 0.001
Loss after mini-batch 171: 0.002
Loss after mini-batch 181: 0.002
Loss after mini-batch 191: 0.001
Loss after mini-batch 201: 0.001
Loss after mini-batch 211: 0.001
Loss after mini-batch 221: 0.001
Loss after mini-batch 231: 0.001
Loss after mini-batch 241: 0.001
Loss after mini-batch 251: 0.001
Loss after mini-batch 261: 0.001
Loss after mini-batch 271: 0.001
Loss after mini-batch 281: 0.001
Starting epoch 4
Loss after mini-batch 1: 0.000
Loss after mini-batch 11: 0.002
Loss after mini-batch 21: 0.002
Loss after mini-batch 31: 0.002
Loss after mini-batch 41: 0.001
Loss after mini-batch 51: 0.002
Loss after mini-batch 61: 0.001
Loss after mini-batch 71: 0.002
Loss after mini-batch 81: 0.001
Loss after mini-batch 91: 0.001
Loss after mini-batch 101: 0.001
Loss after mini-batch 111: 0.001
Loss after mini-batch 121: 0.001
Loss after mini-batch 131: 0.002
Loss after mini-batch 141: 0.002
Loss after mini-batch 151: 0.002
Loss after mini-batch 161: 0.002
Loss after mini-batch 171: 0.002
Loss after mini-batch 181: 0.001
Loss after mini-batch 191: 0.002
Loss after mini-batch 201: 0.001
Loss after mini-batch 211: 0.001
Loss after mini-batch 221: 0.001
Loss after mini-batch 231: 0.001
Loss after mini-batch 241: 0.001
Loss after mini-batch 251: 0.001
Loss after mini-batch 261: 0.001
Loss after mini-batch 271: 0.001
Loss after mini-batch 281: 0.002
Starting epoch 5

```

Loss after mini-batch	1:	0.000
Loss after mini-batch	11:	0.001
Loss after mini-batch	21:	0.001
Loss after mini-batch	31:	0.001
Loss after mini-batch	41:	0.001
Loss after mini-batch	51:	0.001
Loss after mini-batch	61:	0.001
Loss after mini-batch	71:	0.001
Loss after mini-batch	81:	0.001
Loss after mini-batch	91:	0.001
Loss after mini-batch	101:	0.002
Loss after mini-batch	111:	0.001
Loss after mini-batch	121:	0.001
Loss after mini-batch	131:	0.001
Loss after mini-batch	141:	0.001
Loss after mini-batch	151:	0.002
Loss after mini-batch	161:	0.002
Loss after mini-batch	171:	0.001
Loss after mini-batch	181:	0.001
Loss after mini-batch	191:	0.001
Loss after mini-batch	201:	0.001
Loss after mini-batch	211:	0.002
Loss after mini-batch	221:	0.001
Loss after mini-batch	231:	0.001
Loss after mini-batch	241:	0.001
Loss after mini-batch	251:	0.001
Loss after mini-batch	261:	0.001
Loss after mini-batch	271:	0.001
Loss after mini-batch	281:	0.001
Starting epoch 6		
Loss after mini-batch	1:	0.000
Loss after mini-batch	11:	0.001
Loss after mini-batch	21:	0.001
Loss after mini-batch	31:	0.001
Loss after mini-batch	41:	0.001
Loss after mini-batch	51:	0.001
Loss after mini-batch	61:	0.001
Loss after mini-batch	71:	0.001
Loss after mini-batch	81:	0.001
Loss after mini-batch	91:	0.001
Loss after mini-batch	101:	0.001
Loss after mini-batch	111:	0.001
Loss after mini-batch	121:	0.001
Loss after mini-batch	131:	0.001
Loss after mini-batch	141:	0.001
Loss after mini-batch	151:	0.001
Loss after mini-batch	161:	0.002
Loss after mini-batch	171:	0.001



Loss after mini-batch	181:	0.001
Loss after mini-batch	191:	0.001
Loss after mini-batch	201:	0.002
Loss after mini-batch	211:	0.001
Loss after mini-batch	221:	0.001
Loss after mini-batch	231:	0.001
Loss after mini-batch	241:	0.001
Loss after mini-batch	251:	0.001
Loss after mini-batch	261:	0.001
Loss after mini-batch	271:	0.002
Loss after mini-batch	281:	0.001
Starting epoch 7		
Loss after mini-batch	1:	0.000
Loss after mini-batch	11:	0.001
Loss after mini-batch	21:	0.002
Loss after mini-batch	31:	0.001
Loss after mini-batch	41:	0.001
Loss after mini-batch	51:	0.002
Loss after mini-batch	61:	0.001
Loss after mini-batch	71:	0.001
Loss after mini-batch	81:	0.001
Loss after mini-batch	91:	0.001
Loss after mini-batch	101:	0.001
Loss after mini-batch	111:	0.002
Loss after mini-batch	121:	0.001
Loss after mini-batch	131:	0.001
Loss after mini-batch	141:	0.001
Loss after mini-batch	151:	0.001
Loss after mini-batch	161:	0.001
Loss after mini-batch	171:	0.002
Loss after mini-batch	181:	0.002
Loss after mini-batch	191:	0.001
Loss after mini-batch	201:	0.002
Loss after mini-batch	211:	0.001
Loss after mini-batch	221:	0.001
Loss after mini-batch	231:	0.001
Loss after mini-batch	241:	0.001
Loss after mini-batch	251:	0.001
Loss after mini-batch	261:	0.001
Loss after mini-batch	271:	0.001
Loss after mini-batch	281:	0.001
Starting epoch 8		
Loss after mini-batch	1:	0.000
Loss after mini-batch	11:	0.001
Loss after mini-batch	21:	0.001
Loss after mini-batch	31:	0.002
Loss after mini-batch	41:	0.001
Loss after mini-batch	51:	0.001

Loss after mini-batch	61: 0.001
Loss after mini-batch	71: 0.001
Loss after mini-batch	81: 0.001
Loss after mini-batch	91: 0.001
Loss after mini-batch	101: 0.001
Loss after mini-batch	111: 0.001
Loss after mini-batch	121: 0.001
Loss after mini-batch	131: 0.001
Loss after mini-batch	141: 0.001
Loss after mini-batch	151: 0.001
Loss after mini-batch	161: 0.001
Loss after mini-batch	171: 0.001
Loss after mini-batch	181: 0.001
Loss after mini-batch	191: 0.001
Loss after mini-batch	201: 0.001
Loss after mini-batch	211: 0.001
Loss after mini-batch	221: 0.001
Loss after mini-batch	231: 0.001
Loss after mini-batch	241: 0.001
Loss after mini-batch	251: 0.001
Loss after mini-batch	261: 0.001
Loss after mini-batch	271: 0.001
Loss after mini-batch	281: 0.001
Starting epoch 9	
Loss after mini-batch	1: 0.000
Loss after mini-batch	11: 0.001
Loss after mini-batch	21: 0.001
Loss after mini-batch	31: 0.001
Loss after mini-batch	41: 0.001
Loss after mini-batch	51: 0.001
Loss after mini-batch	61: 0.001
Loss after mini-batch	71: 0.001
Loss after mini-batch	81: 0.001
Loss after mini-batch	91: 0.002
Loss after mini-batch	101: 0.001
Loss after mini-batch	111: 0.001
Loss after mini-batch	121: 0.001
Loss after mini-batch	131: 0.001
Loss after mini-batch	141: 0.001
Loss after mini-batch	151: 0.001
Loss after mini-batch	161: 0.001
Loss after mini-batch	171: 0.001
Loss after mini-batch	181: 0.001
Loss after mini-batch	191: 0.001
Loss after mini-batch	201: 0.001
Loss after mini-batch	211: 0.001
Loss after mini-batch	221: 0.001
Loss after mini-batch	231: 0.001

Loss after mini-batch	241:	0.001
Loss after mini-batch	251:	0.001
Loss after mini-batch	261:	0.001
Loss after mini-batch	271:	0.001
Loss after mini-batch	281:	0.001
Starting epoch 10		
Loss after mini-batch	1:	0.000
Loss after mini-batch	11:	0.001
Loss after mini-batch	21:	0.001
Loss after mini-batch	31:	0.001
Loss after mini-batch	41:	0.001
Loss after mini-batch	51:	0.001
Loss after mini-batch	61:	0.002
Loss after mini-batch	71:	0.001
Loss after mini-batch	81:	0.001
Loss after mini-batch	91:	0.001
Loss after mini-batch	101:	0.001
Loss after mini-batch	111:	0.001
Loss after mini-batch	121:	0.001
Loss after mini-batch	131:	0.001
Loss after mini-batch	141:	0.001
Loss after mini-batch	151:	0.001
Loss after mini-batch	161:	0.001
Loss after mini-batch	171:	0.001
Loss after mini-batch	181:	0.002
Loss after mini-batch	191:	0.001
Loss after mini-batch	201:	0.001
Loss after mini-batch	211:	0.001
Loss after mini-batch	221:	0.001
Loss after mini-batch	231:	0.001
Loss after mini-batch	241:	0.001
Loss after mini-batch	251:	0.001
Loss after mini-batch	261:	0.001
Loss after mini-batch	271:	0.001
Loss after mini-batch	281:	0.001
Starting epoch 11		
Loss after mini-batch	1:	0.000
Loss after mini-batch	11:	0.001
Loss after mini-batch	21:	0.001
Loss after mini-batch	31:	0.001
Loss after mini-batch	41:	0.001
Loss after mini-batch	51:	0.001
Loss after mini-batch	61:	0.001
Loss after mini-batch	71:	0.002
Loss after mini-batch	81:	0.001
Loss after mini-batch	91:	0.001
Loss after mini-batch	101:	0.001
Loss after mini-batch	111:	0.001

```

Loss after mini-batch 121: 0.001
Loss after mini-batch 131: 0.001
Loss after mini-batch 141: 0.001
Loss after mini-batch 151: 0.001
Loss after mini-batch 161: 0.001
Loss after mini-batch 171: 0.002
Loss after mini-batch 181: 0.001
Loss after mini-batch 191: 0.001
Loss after mini-batch 201: 0.001
Loss after mini-batch 211: 0.001
Loss after mini-batch 221: 0.001
Loss after mini-batch 231: 0.001
Loss after mini-batch 241: 0.001
Loss after mini-batch 251: 0.002
Loss after mini-batch 261: 0.001
Loss after mini-batch 271: 0.001
Loss after mini-batch 281: 0.001
Starting epoch 12
Loss after mini-batch 1: 0.000
Loss after mini-batch 11: 0.001
Loss after mini-batch 21: 0.001
Loss after mini-batch 31: 0.001
Loss after mini-batch 41: 0.001
Loss after mini-batch 51: 0.001
Loss after mini-batch 61: 0.001
Loss after mini-batch 71: 0.001
Loss after mini-batch 81: 0.001
Loss after mini-batch 91: 0.001
Loss after mini-batch 101: 0.001
Loss after mini-batch 111: 0.001
Loss after mini-batch 121: 0.001
Loss after mini-batch 131: 0.001
Loss after mini-batch 141: 0.001
Loss after mini-batch 151: 0.001
Loss after mini-batch 161: 0.001
Loss after mini-batch 171: 0.001
Loss after mini-batch 181: 0.001
Loss after mini-batch 191: 0.001
Loss after mini-batch 201: 0.001
Loss after mini-batch 211: 0.001
Loss after mini-batch 221: 0.001
Loss after mini-batch 231: 0.001
Loss after mini-batch 241: 0.001
Loss after mini-batch 251: 0.001
Loss after mini-batch 261: 0.001
Loss after mini-batch 271: 0.001
Loss after mini-batch 281: 0.001
Starting epoch 13

```

```
Loss after mini-batch      1: 0.000
Loss after mini-batch     11: 0.001
Loss after mini-batch     21: 0.001
Loss after mini-batch     31: 0.002
Loss after mini-batch     41: 0.001
Loss after mini-batch     51: 0.001
Loss after mini-batch     61: 0.001
Loss after mini-batch     71: 0.002
Loss after mini-batch     81: 0.001
Loss after mini-batch     91: 0.002
Loss after mini-batch    101: 0.001
Loss after mini-batch    111: 0.002
Loss after mini-batch    121: 0.001
Loss after mini-batch    131: 0.002
Loss after mini-batch    141: 0.001
Loss after mini-batch    151: 0.001
Loss after mini-batch    161: 0.001
Loss after mini-batch    171: 0.001
Loss after mini-batch    181: 0.001
Loss after mini-batch    191: 0.001
Loss after mini-batch    201: 0.001
Loss after mini-batch    211: 0.001
Loss after mini-batch    221: 0.001
Loss after mini-batch    231: 0.001
Loss after mini-batch    241: 0.001
Loss after mini-batch    251: 0.001
Loss after mini-batch    261: 0.001
Loss after mini-batch    271: 0.001
Loss after mini-batch    281: 0.001
Starting epoch 14
Loss after mini-batch      1: 0.000
Loss after mini-batch     11: 0.001
Loss after mini-batch     21: 0.001
Loss after mini-batch     31: 0.001
Loss after mini-batch     41: 0.001
Loss after mini-batch     51: 0.001
Loss after mini-batch     61: 0.001
Loss after mini-batch     71: 0.001
Loss after mini-batch     81: 0.001
Loss after mini-batch     91: 0.002
Loss after mini-batch    101: 0.001
Loss after mini-batch    111: 0.001
Loss after mini-batch    121: 0.001
Loss after mini-batch    131: 0.001
Loss after mini-batch    141: 0.001
Loss after mini-batch    151: 0.001
Loss after mini-batch    161: 0.001
Loss after mini-batch    171: 0.001
```

```

Loss after mini-batch 181: 0.001
Loss after mini-batch 191: 0.001
Loss after mini-batch 201: 0.001
Loss after mini-batch 211: 0.001
Loss after mini-batch 221: 0.001
Loss after mini-batch 231: 0.001
Loss after mini-batch 241: 0.001
Loss after mini-batch 251: 0.001
Loss after mini-batch 261: 0.001
Loss after mini-batch 271: 0.001
Loss after mini-batch 281: 0.001
Starting epoch 15
Loss after mini-batch 1: 0.000
Loss after mini-batch 11: 0.001
Loss after mini-batch 21: 0.001
Loss after mini-batch 31: 0.001
Loss after mini-batch 41: 0.001
Loss after mini-batch 51: 0.001
Loss after mini-batch 61: 0.001
Loss after mini-batch 71: 0.002
Loss after mini-batch 81: 0.001
Loss after mini-batch 91: 0.002
Loss after mini-batch 101: 0.001
Loss after mini-batch 111: 0.001
Loss after mini-batch 121: 0.001
Loss after mini-batch 131: 0.001
Loss after mini-batch 141: 0.001
Loss after mini-batch 151: 0.001
Loss after mini-batch 161: 0.001
Loss after mini-batch 171: 0.001
Loss after mini-batch 181: 0.001
Loss after mini-batch 191: 0.001
Loss after mini-batch 201: 0.001
Loss after mini-batch 211: 0.001
Loss after mini-batch 221: 0.001
Loss after mini-batch 231: 0.001
Loss after mini-batch 241: 0.000
Loss after mini-batch 251: 0.001
Loss after mini-batch 261: 0.001
Loss after mini-batch 271: 0.002
Loss after mini-batch 281: 0.001
Starting epoch 16
Loss after mini-batch 1: 0.000
Loss after mini-batch 11: 0.001
Loss after mini-batch 21: 0.001
Loss after mini-batch 31: 0.002
Loss after mini-batch 41: 0.001
Loss after mini-batch 51: 0.001

```

```
Loss after mini-batch    61: 0.001
Loss after mini-batch    71: 0.001
Loss after mini-batch    81: 0.001
Loss after mini-batch    91: 0.001
Loss after mini-batch   101: 0.001
Loss after mini-batch   111: 0.001
Loss after mini-batch   121: 0.001
Loss after mini-batch   131: 0.001
Loss after mini-batch   141: 0.001
Loss after mini-batch   151: 0.001
Loss after mini-batch   161: 0.002
Loss after mini-batch   171: 0.001
Loss after mini-batch   181: 0.001
Loss after mini-batch   191: 0.001
Loss after mini-batch   201: 0.001
Loss after mini-batch   211: 0.001
Loss after mini-batch   221: 0.001
Loss after mini-batch   231: 0.001
Loss after mini-batch   241: 0.001
Loss after mini-batch   251: 0.001
Loss after mini-batch   261: 0.001
Loss after mini-batch   271: 0.001
Loss after mini-batch   281: 0.001
Starting epoch 17
Loss after mini-batch     1: 0.000
Loss after mini-batch    11: 0.001
Loss after mini-batch    21: 0.001
Loss after mini-batch    31: 0.001
Loss after mini-batch    41: 0.001
Loss after mini-batch    51: 0.001
Loss after mini-batch    61: 0.001
Loss after mini-batch    71: 0.001
Loss after mini-batch    81: 0.001
Loss after mini-batch    91: 0.001
Loss after mini-batch   101: 0.001
Loss after mini-batch   111: 0.001
Loss after mini-batch   121: 0.001
Loss after mini-batch   131: 0.001
Loss after mini-batch   141: 0.001
Loss after mini-batch   151: 0.001
Loss after mini-batch   161: 0.001
Loss after mini-batch   171: 0.001
Loss after mini-batch   181: 0.001
Loss after mini-batch   191: 0.001
Loss after mini-batch   201: 0.001
Loss after mini-batch   211: 0.001
Loss after mini-batch   221: 0.001
Loss after mini-batch   231: 0.001
```

Loss after mini-batch	241:	0.001
Loss after mini-batch	251:	0.001
Loss after mini-batch	261:	0.001
Loss after mini-batch	271:	0.001
Loss after mini-batch	281:	0.001
Starting epoch 18		
Loss after mini-batch	1:	0.000
Loss after mini-batch	11:	0.001
Loss after mini-batch	21:	0.001
Loss after mini-batch	31:	0.001
Loss after mini-batch	41:	0.001
Loss after mini-batch	51:	0.001
Loss after mini-batch	61:	0.001
Loss after mini-batch	71:	0.001
Loss after mini-batch	81:	0.001
Loss after mini-batch	91:	0.001
Loss after mini-batch	101:	0.001
Loss after mini-batch	111:	0.001
Loss after mini-batch	121:	0.001
Loss after mini-batch	131:	0.001
Loss after mini-batch	141:	0.001
Loss after mini-batch	151:	0.001
Loss after mini-batch	161:	0.001
Loss after mini-batch	171:	0.001
Loss after mini-batch	181:	0.001
Loss after mini-batch	191:	0.001
Loss after mini-batch	201:	0.001
Loss after mini-batch	211:	0.000
Loss after mini-batch	221:	0.001
Loss after mini-batch	231:	0.001
Loss after mini-batch	241:	0.001
Loss after mini-batch	251:	0.001
Loss after mini-batch	261:	0.001
Loss after mini-batch	271:	0.001
Loss after mini-batch	281:	0.001
Starting epoch 19		
Loss after mini-batch	1:	0.000
Loss after mini-batch	11:	0.001
Loss after mini-batch	21:	0.001
Loss after mini-batch	31:	0.001
Loss after mini-batch	41:	0.001
Loss after mini-batch	51:	0.001
Loss after mini-batch	61:	0.001
Loss after mini-batch	71:	0.001
Loss after mini-batch	81:	0.001
Loss after mini-batch	91:	0.001
Loss after mini-batch	101:	0.001
Loss after mini-batch	111:	0.001



```
Loss after mini-batch 121: 0.001
Loss after mini-batch 131: 0.001
Loss after mini-batch 141: 0.001
Loss after mini-batch 151: 0.001
Loss after mini-batch 161: 0.001
Loss after mini-batch 171: 0.001
Loss after mini-batch 181: 0.001
Loss after mini-batch 191: 0.001
Loss after mini-batch 201: 0.001
Loss after mini-batch 211: 0.002
Loss after mini-batch 221: 0.001
Loss after mini-batch 231: 0.001
Loss after mini-batch 241: 0.001
Loss after mini-batch 251: 0.001
Loss after mini-batch 261: 0.001
Loss after mini-batch 271: 0.001
Loss after mini-batch 281: 0.001
Starting epoch 20
Loss after mini-batch 1: 0.000
Loss after mini-batch 11: 0.001
Loss after mini-batch 21: 0.002
Loss after mini-batch 31: 0.001
Loss after mini-batch 41: 0.001
Loss after mini-batch 51: 0.001
Loss after mini-batch 61: 0.001
Loss after mini-batch 71: 0.001
Loss after mini-batch 81: 0.001
Loss after mini-batch 91: 0.001
Loss after mini-batch 101: 0.002
Loss after mini-batch 111: 0.001
Loss after mini-batch 121: 0.001
Loss after mini-batch 131: 0.001
Loss after mini-batch 141: 0.001
Loss after mini-batch 151: 0.001
Loss after mini-batch 161: 0.001
Loss after mini-batch 171: 0.001
Loss after mini-batch 181: 0.001
Loss after mini-batch 191: 0.001
Loss after mini-batch 201: 0.001
Loss after mini-batch 211: 0.001
Loss after mini-batch 221: 0.001
Loss after mini-batch 231: 0.001
Loss after mini-batch 241: 0.001
Loss after mini-batch 251: 0.001
Loss after mini-batch 261: 0.001
Loss after mini-batch 271: 0.001
Loss after mini-batch 281: 0.001
Training process has finished.
```

```
[16]: model.eval()
```

```
[16]: MLP(
  (norm0): BatchNorm1d(4, eps=1e-05, momentum=0.1, affine=True,
track_running_stats=True)
  (linear1): Linear(in_features=4, out_features=64, bias=True)
  (norm1): BatchNorm1d(64, eps=1e-05, momentum=0.1, affine=True,
track_running_stats=True)
  (act1): SELU()
  (linear2): Linear(in_features=64, out_features=16, bias=True)
  (norm2): BatchNorm1d(16, eps=1e-05, momentum=0.1, affine=True,
track_running_stats=True)
  (act2): SELU()
  (output): Linear(in_features=16, out_features=1, bias=True)
)
```

```
[17]: # Specify a path
PATH = "test_regression.pt"

# Save
torch.save(model, PATH)
```

```
[18]: %matplotlib inline
import matplotlib.pyplot as plt

#Let's put in the training dataset in now

test_dataset = h5File.create_dataset(name=None, data=npTest)
testDataloader = DataLoader(test_dataset, batch_size=500, shuffle=True)
iterDataLoader = iter(testDataloader)
testData = next(iterDataLoader)

#Originally had tested with the full dataset
# fulldata = DataLoader(training_dataset, batch_size=5000, shuffle=True)
# iterDataLoader = iter(fulldata)
# allData = next(iterDataLoader)

print(testData)

#Get each separate input for future plotting reasons
intens = testData[:, 0:1]
duration = testData[:, 1]
thickness = testData[:, 2]
spotSize = testData[:, 3]

#Transform intens by a log function
logIntens = np.log(intens)
```

```

#print(logIntens.size(), allData[:,1:4].size())
#Process intensity by putting it on a log scale
inputs = torch.cat((logIntens, testData[:,1:4]), axis = 1)

#Turn logIntens back into a tensor that can be passed to a plot
intens = testData[:, 0]
logIntens = np.log(intens)

target = testData[:, 4]

inputs = inputs.to('cuda')
target = target.to('cuda')

inputs, target = inputs.float(), target.float()
target = target.reshape((target.shape[0], 1))

output = model(inputs)

#print(output)
print(output)
print(target)

```

```

tensor([[5.1352e+20, 4.5900e+02, 4.4902e+00, ..., 2.1381e+02, 4.4847e+00,
        3.6418e+00],
        [4.7829e+20, 4.9421e+02, 1.8470e+01, ..., 1.4397e+02, 5.1120e+00,
        3.4063e+00],
        [4.8294e+19, 1.0847e+02, 1.9501e+01, ..., 4.2022e+00, 1.2058e-02,
        3.8464e-01],
        ...,
        [7.4831e+19, 2.5182e+02, 1.8350e+01, ..., 1.7806e+01, 9.1878e-02,
        9.4216e-01],
        [5.6878e+20, 3.3037e+01, 1.4992e+01, ..., 3.8873e+00, 6.5357e-03,
        4.9437e-01],
        [2.5575e+20, 3.9066e+02, 8.8434e+00, ..., 9.4206e+01, 9.0208e-01,
        2.4052e+00]], dtype=torch.float64)
tensor([[ 5.2173],
        [ 4.8763],
        [ 1.4396],
        [ 0.9515],
        [ 2.4502],
        [ 2.9006],
        [-0.7216],
        [ 2.9650],
        [ 0.4165],
        [ 3.7827],
        [ 4.1618],
        [ 4.4634],

```

[ 1.7271],  
[ 4.6473],  
[ 2.1987],  
[ 2.4102],  
[ 3.3303],  
[ 3.4319],  
[-0.5926],  
[ 4.9865],  
[-0.7061],  
[-1.3007],  
[ 0.9843],  
[ 4.5371],  
[ 0.7572],  
[-0.9298],  
[-4.3747],  
[ 3.3988],  
[-2.4863],  
[ 0.9826],  
[ 2.4828],  
[ 3.2526],  
[ 5.0213],  
[ 3.5355],  
[ 5.1775],  
[-3.7833],  
[ 0.1003],  
[-0.0559],  
[ 3.1009],  
[ 1.4331],  
[-0.3068],  
[ 2.6404],  
[ 2.7949],  
[-1.5709],  
[-0.0439],  
[ 0.2186],  
[ 2.1694],  
[-4.1411],  
[-3.6465],  
[-3.4870],  
[ 2.2400],  
[ 4.0722],  
[ 1.3499],  
[ 4.1612],  
[ 4.3923],  
[ 0.0372],  
[ 0.8819],  
[ 4.8220],  
[ 4.5576],  
[ 2.2166],

[-0.4900],  
[-3.4408],  
[ 3.2063],  
[-5.7059],  
[-2.7926],  
[-1.3850],  
[-0.3650],  
[-0.0609],  
[ 1.1910],  
[-2.5198],  
[-0.1224],  
[ 1.0597],  
[-0.7581],  
[ 3.4774],  
[ 4.3425],  
[ 0.8388],  
[-0.2364],  
[-1.4728],  
[ 4.0860],  
[ 3.5494],  
[ 2.9232],  
[ 4.8592],  
[ 0.8492],  
[ 0.4392],  
[ 2.5749],  
[ 3.5568],  
[ 3.1079],  
[ 3.6523],  
[-2.9018],  
[ 1.0441],  
[ 4.6714],  
[ 3.0077],  
[ 3.8299],  
[-0.4857],  
[ 4.3033],  
[ 4.1106],  
[-0.8479],  
[-3.9019],  
[ 0.4754],  
[-2.2434],  
[-0.1416],  
[ 2.2498],  
[-2.1749],  
[ 2.7806],  
[-3.1870],  
[ 4.8793],  
[-3.6591],  
[ 1.7140],

[ 3.9794],  
[ 1.8083],  
[ 0.9186],  
[ 3.7000],  
[ 0.4146],  
[ 2.0372],  
[ 2.8392],  
[ 2.7578],  
[ 3.3335],  
[ 0.6259],  
[ 1.0436],  
[ 0.5220],  
[ 3.9582],  
[ 1.4582],  
[ 3.9405],  
[ 0.3654],  
[ 2.9619],  
[ 3.8145],  
[ 0.7088],  
[ 4.5963],  
[ 1.3058],  
[ 2.2276],  
[ 5.1563],  
[ 0.0371],  
[-0.8597],  
[-0.0898],  
[ 3.8317],  
[ 0.8403],  
[ 0.7736],  
[ 4.4245],  
[ 1.2779],  
[ 3.8515],  
[ 2.9457],  
[-0.9437],  
[ 3.3713],  
[ 1.9315],  
[ 3.4788],  
[ 3.8368],  
[ 1.2626],  
[-6.3062],  
[ 2.7033],  
[ 4.6756],  
[-1.2279],  
[-2.1509],  
[ 1.8049],  
[ 4.2948],  
[ 4.5381],  
[-0.6140],

[ 3.2839],  
[ 2.0246],  
[ 2.7052],  
[ 1.0780],  
[ 4.9114],  
[-1.8821],  
[ 5.3706],  
[ 1.8167],  
[ 1.6350],  
[ 3.1761],  
[ 2.2725],  
[ 3.4057],  
[ 2.6998],  
[ 2.0647],  
[ 3.5217],  
[ 4.6868],  
[-1.6642],  
[-0.1083],  
[-1.0840],  
[ 3.7046],  
[ 1.6398],  
[ 4.2149],  
[-1.4756],  
[ 1.8154],  
[ 0.2371],  
[ 0.8720],  
[ 3.1560],  
[ 0.3925],  
[-1.7945],  
[ 0.6358],  
[-1.6800],  
[ 3.2163],  
[ 4.3048],  
[ 4.3186],  
[-0.5149],  
[ 0.6828],  
[ 4.8443],  
[ 3.9378],  
[ 3.8487],  
[-0.7051],  
[ 2.6178],  
[ 2.7279],  
[ 3.5752],  
[ 2.8827],  
[ 0.8461],  
[ 2.9606],  
[-2.8260],  
[-3.5335],

[ 1.3205],  
[-0.1901],  
[ 3.0562],  
[ 1.8341],  
[ 1.9821],  
[-2.9736],  
[ 4.0753],  
[ 0.1928],  
[-3.2022],  
[-5.1908],  
[ 4.3181],  
[-0.2155],  
[ 3.9093],  
[ 3.2206],  
[-0.7206],  
[ 2.9491],  
[ 3.4042],  
[ 0.9908],  
[-4.5366],  
[ 3.7439],  
[-0.0821],  
[ 0.2010],  
[ 3.3193],  
[ 4.5324],  
[ 3.9781],  
[-2.3649],  
[ 0.6406],  
[-2.0514],  
[ 0.8929],  
[-5.0810],  
[ 2.0556],  
[ 3.6558],  
[-2.6303],  
[ 2.2205],  
[ 4.7313],  
[ 3.2126],  
[ 4.0157],  
[-1.0774],  
[-1.9796],  
[ 3.9811],  
[ 1.1840],  
[ 2.0176],  
[-0.0596],  
[ 3.0437],  
[-3.2975],  
[ 3.3104],  
[-0.4518],  
[ 2.2400],



[ 1.9370],  
[ 2.0021],  
[-0.5649],  
[ 4.4846],  
[-4.5038],  
[-3.1312],  
[ 0.3852],  
[ 3.1571],  
[ 1.3521],  
[-0.4639],  
[-3.0953],  
[-0.9702],  
[ 4.0120],  
[ 3.4696],  
[ 2.1996],  
[ 3.7829],  
[-4.7041],  
[ 1.0679],  
[ 2.3697],  
[-2.2718],  
[ 0.6447],  
[ 3.6883],  
[-5.6613],  
[-0.2988],  
[ 4.4314],  
[ 5.0100],  
[ 2.9830],  
[ 2.2426],  
[ 4.9749],  
[-0.6021],  
[-0.3825],  
[-0.4914],  
[ 1.4964],  
[-1.4977],  
[ 0.4427],  
[ 0.6643],  
[ 1.7519],  
[ 4.7263],  
[-0.3184],  
[-3.2695],  
[-3.0016],  
[ 1.9647],  
[-1.0248],  
[-1.5709],  
[-1.3244],  
[ 3.3785],  
[ 3.0849],  
[ 2.0864],

[-1.1111],  
[ 3.3122],  
[ 2.4664],  
[ 2.9736],  
[ 2.8745],  
[ 4.7038],  
[-1.0798],  
[ 2.4004],  
[ 2.2440],  
[ 1.7388],  
[-0.5252],  
[ 4.4010],  
[-4.1402],  
[ 1.6603],  
[ 4.4779],  
[ 0.4543],  
[ 5.4299],  
[ 0.4137],  
[-0.4003],  
[ 1.6541],  
[ 3.3077],  
[ 3.3305],  
[ 2.3637],  
[-1.5258],  
[ 1.1996],  
[ 3.6431],  
[ 4.9186],  
[ 4.0303],  
[ 3.3368],  
[-4.6569],  
[ 2.1774],  
[ 3.9904],  
[-0.7171],  
[ 0.5146],  
[ 2.0193],  
[ 2.6237],  
[ 0.1623],  
[ 1.5281],  
[-0.3716],  
[ 0.4558],  
[ 2.0957],  
[-1.9783],  
[ 2.6033],  
[-1.0062],  
[-0.7238],  
[ 3.4294],  
[ 3.5638],  
[ 4.6144],

[ 3.4559],  
[-1.4403],  
[ 4.5340],  
[-5.8407],  
[ 3.9812],  
[ 4.3663],  
[ 0.2001],  
[ 3.3739],  
[ 0.4506],  
[ 3.2483],  
[-0.0930],  
[ 3.7149],  
[ 3.2466],  
[-2.6460],  
[-0.3222],  
[ 3.2644],  
[-1.3433],  
[ 4.7991],  
[ 4.2347],  
[ 1.9476],  
[ 5.1000],  
[ 1.8058],  
[-3.2017],  
[ 0.9531],  
[ 3.0416],  
[ 0.8157],  
[ 1.5893],  
[-3.6562],  
[ 0.0499],  
[-6.7400],  
[ 3.6212],  
[ 3.8984],  
[ 1.7078],  
[ 4.4358],  
[-0.8107],  
[ 2.0214],  
[ 3.7096],  
[ 4.5386],  
[ 1.9991],  
[ 0.7202],  
[ 5.0199],  
[ 3.7589],  
[ 4.4632],  
[ 0.4471],  
[ 0.6928],  
[-1.6895],  
[ 3.3720],  
[ 2.9335],

[ 3.3816],  
[-2.1814],  
[ 0.7211],  
[-5.7916],  
[ 2.7510],  
[ 2.3374],  
[ 2.0919],  
[ 2.9039],  
[ 4.5787],  
[ 5.1325],  
[-0.2921],  
[-1.1311],  
[ 1.8136],  
[ 2.7484],  
[ 3.0398],  
[ 2.9225],  
[ 2.8556],  
[ 4.5172],  
[-0.3686],  
[-1.0704],  
[ 4.3611],  
[ 4.7924],  
[ 0.8484],  
[-0.6698],  
[-1.4948],  
[ 4.5729],  
[-0.1096],  
[ 2.3258],  
[ 1.9212],  
[ 2.4086],  
[-0.2019],  
[ 3.3600],  
[-2.2345],  
[ 3.0378],  
[-1.3701],  
[ 3.6737],  
[ 4.7862],  
[-2.8149],  
[ 1.8514],  
[ 1.2234],  
[-5.7020],  
[-0.6872],  
[ 1.8686],  
[ 3.7593],  
[ 3.9784],  
[-1.7567],  
[-0.6661],  
[ 4.8612],

[ 4.4882],  
[ 0.4935],  
[-4.5667],  
[ 2.9908],  
[ 2.9140],  
[-0.5301],  
[ 2.3644],  
[-0.4746],  
[-5.1681],  
[-0.7640],  
[ 0.4873],  
[-3.5869],  
[ 1.5289],  
[ 1.8119],  
[-0.4873],  
[ 4.2397],  
[-3.6033],  
[ 4.0717],  
[ 2.4595],  
[-3.4503],  
[ 3.1247],  
[-2.0689],  
[-2.0432],  
[ 3.6543],  
[ 4.5312],  
[ 0.5564],  
[ 2.4897],  
[ 1.7653],  
[-1.2077],  
[-3.2804],  
[ 2.8971],  
[ 3.4037],  
[ 4.0056],  
[ 2.5003],  
[ 0.1602],  
[-2.3823],  
[ 3.4550],  
[ 0.7280],  
[-0.4708],  
[ 3.1753],  
[ 5.0184],  
[ 0.5740],  
[ 2.3153],  
[ 1.7336],  
[ 1.5270],  
[ 4.6795],  
[ 2.3782],  
[ 0.0654],

```

[-0.1788],
[ 0.8890],
[ 4.0335],
[ 3.9746],
[-1.2635],
[ 2.8182],
[ 1.1206],
[ 4.4448]], device='cuda:0', grad_fn=<AddmmBackward0>)
tensor([[2.1381e+02,
        1.4397e+02,
        4.2022e+00,
        2.9220e+00,
        1.3514e+01,
        1.8373e+01,
        4.3546e-01,
        2.1596e+01,
        1.4283e+00,
        4.7493e+01,
        6.9557e+01,
        9.2972e+01,
        5.6222e+00,
        1.2786e+02,
        8.3863e+00,
        1.1916e+01,
        3.0024e+01,
        3.4210e+01,
        5.8420e-01,
        1.6880e+02,
        4.3123e-01,
        2.4477e-01,
        3.3839e+00,
        1.0273e+02,
        2.0608e+00,
        3.3946e-01,
        1.1404e-02,
        3.1258e+01,
        7.1207e-02,
        2.9044e+00,
        1.2024e+01,
        3.1295e+01,
        1.9366e+02,
        3.6941e+01,
        2.0518e+02,
        2.2277e-02,
        9.9958e-01,
        1.2929e+00,
        2.3724e+01,
        5.3808e+00],

```

[6.5815e-01],  
[1.8023e+01],  
[1.8090e+01],  
[1.8651e-01],  
[8.7717e-01],  
[1.3655e+00],  
[9.1423e+00],  
[1.6501e-02],  
[2.0337e-02],  
[2.6823e-02],  
[8.8691e+00],  
[6.5579e+01],  
[5.0225e+00],  
[7.3655e+01],  
[8.8207e+01],  
[9.2755e-01],  
[2.2409e+00],  
[1.3593e+02],  
[1.0813e+02],  
[9.6645e+00],  
[7.0328e-01],  
[3.0795e-02],  
[2.7382e+01],  
[2.7076e-03],  
[5.0224e-02],  
[3.7104e-01],  
[6.4288e-01],  
[8.8574e-01],  
[3.1358e+00],  
[6.7068e-02],  
[1.0299e+00],  
[2.5613e+00],  
[4.0560e-01],  
[3.5782e+01],  
[8.4457e+01],  
[2.1823e+00],  
[7.1311e-01],  
[2.4605e-01],  
[6.2680e+01],  
[3.9796e+01],  
[1.9479e+01],  
[1.4538e+02],  
[2.4170e+00],  
[1.2778e+00],  
[1.3974e+01],  
[3.7598e+01],  
[3.9133e+01],  
[4.4660e+01],

[4.7382e-02],  
[2.9179e+00],  
[1.2097e+02],  
[2.3350e+01],  
[5.9104e+01],  
[5.9060e-01],  
[8.7605e+01],  
[6.6504e+01],  
[3.8542e-01],  
[1.9722e-02],  
[2.0803e+00],  
[1.0508e-01],  
[8.4052e-01],  
[9.5341e+00],  
[1.0152e-01],  
[1.8279e+01],  
[4.1232e-02],  
[1.4918e+02],  
[2.1776e-02],  
[5.5298e+00],  
[5.8357e+01],  
[6.0427e+00],  
[2.2405e+00],  
[4.2897e+01],  
[1.3939e+00],  
[7.2696e+00],  
[1.7241e+01],  
[1.8462e+01],  
[2.9910e+01],  
[2.2559e+00],  
[2.6799e+00],  
[1.5860e+00],  
[5.4725e+01],  
[4.4501e+00],  
[5.4820e+01],  
[1.6985e+00],  
[2.0784e+01],  
[4.8582e+01],  
[1.8981e+00],  
[1.0934e+02],  
[3.5421e+00],  
[1.0036e+01],  
[2.0107e+02],  
[1.0161e+00],  
[4.7320e-01],  
[9.1828e-01],  
[4.8526e+01],  
[2.3910e+00],



[3.4242e+00],  
[9.2030e+01],  
[3.4765e+00],  
[5.3291e+01],  
[1.9938e+01],  
[3.4510e-01],  
[3.2114e+01],  
[9.6107e+00],  
[3.9373e+01],  
[6.3699e+01],  
[4.1848e+00],  
[1.7689e-03],  
[1.5917e+01],  
[1.2099e+02],  
[3.1713e-01],  
[9.0672e-02],  
[5.9788e+00],  
[9.8898e+01],  
[1.0031e+02],  
[6.6530e-01],  
[3.1297e+01],  
[7.2289e+00],  
[1.5648e+01],  
[3.2840e+00],  
[1.5241e+02],  
[1.3333e-01],  
[2.4858e+02],  
[6.3736e+00],  
[7.4758e+00],  
[3.3252e+01],  
[9.3048e+00],  
[3.1968e+01],  
[1.6132e+01],  
[7.6301e+00],  
[4.0162e+01],  
[1.1954e+02],  
[1.5410e-01],  
[8.1876e-01],  
[2.9526e-01],  
[4.5600e+01],  
[5.2324e+00],  
[8.2571e+01],  
[2.0138e-01],  
[6.0304e+00],  
[1.2086e+00],  
[2.8111e+00],  
[4.9817e+01],  
[1.7026e+00],

[1.5685e-01],  
[2.6538e+00],  
[2.0547e-01],  
[2.9563e+01],  
[8.6446e+01],  
[9.2727e+01],  
[6.8914e-01],  
[1.9663e+00],  
[1.4056e+02],  
[5.3595e+01],  
[5.1541e+01],  
[4.5480e-01],  
[1.4146e+01],  
[1.5199e+01],  
[4.0406e+01],  
[1.9180e+01],  
[2.7395e+00],  
[1.9585e+01],  
[5.6439e-02],  
[2.6393e-02],  
[3.7694e+00],  
[9.4665e-01],  
[2.1820e+01],  
[6.3694e+00],  
[7.5200e+00],  
[4.6399e-02],  
[6.6027e+01],  
[1.9103e+00],  
[4.1737e-02],  
[4.7594e-03],  
[9.0192e+01],  
[7.4967e-01],  
[6.2397e+01],  
[2.6965e+01],  
[4.6687e-01],  
[3.0479e+01],  
[3.6100e+01],  
[2.5234e+00],  
[1.6658e-02],  
[6.0656e+01],  
[8.3318e-01],  
[1.2851e+00],  
[2.9870e+01],  
[1.0630e+02],  
[5.6265e+01],  
[8.9834e-02],  
[1.8345e+00],  
[1.1222e-01],

[3.0988e+00],  
[4.9902e-03],  
[8.3538e+00],  
[4.1956e+01],  
[7.3489e-02],  
[8.7930e+00],  
[1.3156e+02],  
[3.0237e+01],  
[5.8916e+01],  
[3.5809e-01],  
[1.3875e-01],  
[6.0571e+01],  
[3.0315e+00],  
[7.4618e+00],  
[8.3920e-01],  
[2.4248e+01],  
[3.3271e-02],  
[3.0644e+01],  
[6.0896e-01],  
[1.0151e+01],  
[7.3914e+00],  
[7.7261e+00],  
[5.4805e-01],  
[9.5766e+01],  
[9.2370e-03],  
[4.0816e-02],  
[1.2240e+00],  
[2.5379e+01],  
[3.8279e+00],  
[6.4459e-01],  
[3.8439e-02],  
[3.3816e-01],  
[5.8804e+01],  
[4.3790e+01],  
[1.3140e+01],  
[4.6265e+01],  
[8.7285e-03],  
[2.8663e+00],  
[1.0249e+01],  
[9.3952e-02],  
[1.8687e+00],  
[4.6189e+01],  
[2.8842e-03],  
[7.1388e-01],  
[1.2065e+02],  
[1.6890e+02],  
[2.6163e+01],  
[8.9904e+00],

[1.7404e+02],  
[7.0197e-01],  
[6.2361e-01],  
[6.3145e-01],  
[6.8298e+00],  
[2.1456e-01],  
[1.3614e+00],  
[1.7173e+00],  
[5.8404e+00],  
[1.4018e+02],  
[7.0858e-01],  
[3.7090e-02],  
[5.6219e-02],  
[7.3105e+00],  
[3.1702e-01],  
[1.8429e-01],  
[2.5797e-01],  
[3.1452e+01],  
[3.4448e+01],  
[8.5358e+00],  
[3.3135e-01],  
[2.8569e+01],  
[1.1968e+01],  
[2.1029e+01],  
[1.8738e+01],  
[1.2162e+02],  
[3.1062e-01],  
[1.2846e+01],  
[9.8558e+00],  
[5.2944e+00],  
[6.3122e-01],  
[8.6675e+01],  
[1.1383e-02],  
[4.9636e+00],  
[9.6737e+01],  
[1.5163e+00],  
[2.6585e+02],  
[1.2919e+00],  
[6.5923e-01],  
[5.1195e+00],  
[2.9500e+01],  
[2.9877e+01],  
[1.0154e+01],  
[1.9312e-01],  
[3.7020e+00],  
[4.3557e+01],  
[1.5469e+02],  
[6.4724e+01],

[3.9592e+01],  
[5.8388e-03],  
[1.0966e+01],  
[5.7146e+01],  
[4.6487e-01],  
[1.5976e+00],  
[7.7681e+00],  
[1.6576e+01],  
[1.6171e+00],  
[5.2805e+00],  
[7.3674e-01],  
[1.4401e+00],  
[8.3459e+00],  
[1.2621e-01],  
[1.4565e+01],  
[3.2356e-01],  
[4.5411e-01],  
[3.1800e+01],  
[4.1500e+01],  
[1.1383e+02],  
[3.3627e+01],  
[2.1806e-01],  
[1.0875e+02],  
[2.3541e-03],  
[6.1176e+01],  
[8.5739e+01],  
[1.1273e+00],  
[3.8996e+01],  
[2.1456e+00],  
[2.8485e+01],  
[8.1725e-01],  
[4.4815e+01],  
[2.7649e+01],  
[6.8756e-02],  
[8.1463e-01],  
[3.3374e+01],  
[2.4394e-01],  
[1.3558e+02],  
[8.0466e+01],  
[7.1108e+00],  
[1.9208e+02],  
[7.0952e+00],  
[3.9098e-02],  
[3.0768e+00],  
[2.3389e+01],  
[2.5207e+00],  
[4.7746e+00],  
[2.1250e-02],

[8.9764e-01],  
[1.1852e-03],  
[3.9442e+01],  
[5.5576e+01],  
[9.0564e+00],  
[9.4839e+01],  
[4.5718e-01],  
[8.2813e+00],  
[4.3250e+01],  
[1.0876e+02],  
[8.7156e+00],  
[2.5202e+00],  
[1.7159e+02],  
[4.6682e+01],  
[9.6553e+01],  
[1.6557e+00],  
[1.9376e+00],  
[1.7406e-01],  
[3.2723e+01],  
[1.9326e+01],  
[3.2025e+01],  
[1.1595e-01],  
[1.9041e+00],  
[3.0042e-03],  
[1.7572e+01],  
[1.0018e+01],  
[9.7072e+00],  
[1.9105e+01],  
[1.3586e+02],  
[1.9818e+02],  
[8.5934e-01],  
[3.2058e-01],  
[6.8354e+00],  
[1.5744e+01],  
[2.5097e+01],  
[1.9039e+01],  
[1.7562e+01],  
[1.0151e+02],  
[6.7452e-01],  
[3.3396e-01],  
[8.3440e+01],  
[1.4178e+02],  
[2.1939e+00],  
[4.6520e-01],  
[2.2956e-01],  
[1.0451e+02],  
[8.0938e-01],  
[1.0824e+01],

[6.9325e+00],  
[1.2560e+01],  
[7.1506e-01],  
[4.2488e+01],  
[9.9574e-02],  
[2.2500e+01],  
[2.6461e-01],  
[4.3269e+01],  
[1.3286e+02],  
[5.2512e-02],  
[1.2467e+01],  
[4.1327e+00],  
[2.8771e-03],  
[4.8751e-01],  
[6.2264e+00],  
[4.7851e+01],  
[6.3837e+01],  
[1.6586e-01],  
[5.1566e-01],  
[1.4657e+02],  
[9.7044e+01],  
[2.1450e+00],  
[8.8098e-03],  
[2.0594e+01],  
[2.5805e+01],  
[7.8227e-01],  
[1.0094e+01],  
[5.8331e-01],  
[5.8007e-03],  
[7.5241e-01],  
[1.5332e+00],  
[2.4525e-02],  
[4.3572e+00],  
[6.5543e+00],  
[5.4508e-01],  
[7.6817e+01],  
[2.2487e-02],  
[6.4759e+01],  
[1.6593e+01],  
[2.5429e-02],  
[2.4835e+01],  
[1.2515e-01],  
[1.1199e-01],  
[4.2724e+01],  
[1.2299e+02],  
[1.9974e+00],  
[1.3755e+01],  
[5.9264e+00],

```

[2.8643e-01],
[3.2782e-02],
[2.8158e+01],
[3.1920e+01],
[5.8802e+01],
[1.3404e+01],
[1.1959e+00],
[7.8093e-02],
[3.4796e+01],
[1.9983e+00],
[6.6577e-01],
[2.4949e+01],
[1.7965e+02],
[1.6634e+00],
[1.3581e+01],
[5.6548e+00],
[6.7728e+00],
[1.1741e+02],
[1.1652e+01],
[9.6785e-01],
[8.9893e-01],
[2.2494e+00],
[6.0591e+01],
[6.4891e+01],
[2.8391e-01],
[1.7806e+01],
[3.8873e+00],
[9.4206e+01]], device='cuda:0')

```

```

[19]: #Plot just actual data itself

print(target.size())
print(intens.size())
print(output.size())
print(intens[0])

#Max KE Energy plots

fig=plt.figure(figsize=(12,4))
plt.subplot(1, 4, 1)
plt.scatter(logIntens,target[:].cpu().detach().numpy(), color = 'blue')
plt.xscale('log')
plt.xlabel(r'Intensity (W cm$^{-2}$)')
plt.ylabel('Max Proton Energy (MeV)')

plt.subplot(1, 4, 2)
plt.scatter(duration,target[:].cpu().detach().numpy(), color = 'blue')

```



```

plt.xlabel('Pulse Duration (fs)')
plt.ylabel('Max Proton Energy (MeV)')

plt.subplot(1, 4, 3)
plt.scatter(thickness,target[:].cpu().detach().numpy(), color = 'blue')
plt.xlabel(r'Target Thickness ( $\mu\text{m}$ )')
plt.ylabel('Max Proton Energy (MeV)')

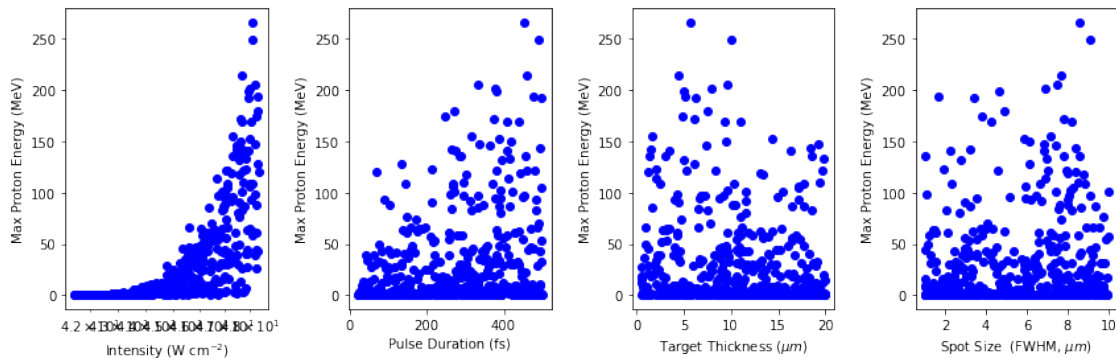
plt.subplot(1, 4, 4)
plt.scatter(spotSize,target[:].cpu().detach().numpy(), color = 'blue')
plt.xlabel(r'Spot Size (FWHM,  $\mu\text{m}$ )')
plt.ylabel('Max Proton Energy (MeV)')
plt.tight_layout()
plt.show()

```

```

torch.Size([500, 1])
torch.Size([500])
torch.Size([500, 1])
tensor(5.1352e+20, dtype=torch.float64)

```



[20]: *#Plot the actual data and the regressor's predicted data*

```

#Max KE Energy plots

fig=plt.figure(figsize=(12,4))
plt.subplot(1, 4, 1)
plt.scatter(logIntens,target[:].cpu().detach().numpy(), color = 'blue')
plt.scatter(logIntens,np.exp(output.cpu().detach().numpy()), color = 'red')
plt.xscale('log')
plt.xlabel(r'Intensity (W cm-2)')
plt.ylabel('Max Proton Energy (MeV)')

plt.subplot(1, 4, 2)
plt.scatter(duration,target[:].cpu().detach().numpy(), color = 'blue')

```

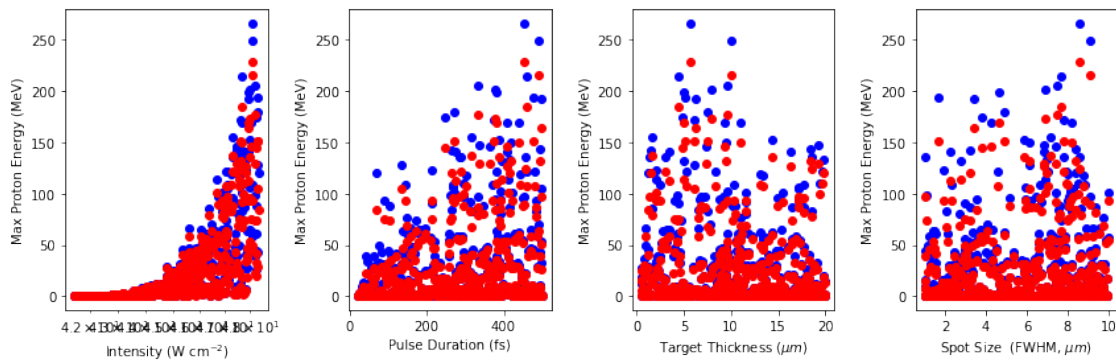
```

plt.scatter(duration,np.exp(output.cpu().detach().numpy()), color = 'red')
plt.xlabel('Pulse Duration (fs)')
plt.ylabel('Max Proton Energy (MeV)')

plt.subplot(1, 4, 3)
plt.scatter(thickness,target[:].cpu().detach().numpy(), color = 'blue')
plt.scatter(thickness,np.exp(output.cpu().detach().numpy()), color = 'red')
plt.xlabel(r'Target Thickness ( $\mu\text{m}$ )')
plt.ylabel('Max Proton Energy (MeV)')

plt.subplot(1, 4, 4)
plt.scatter(spotSize,target[:].cpu().detach().numpy(), color = 'blue')
plt.scatter(spotSize,np.exp(output.cpu().detach().numpy()), color = 'red')
plt.xlabel(r'Spot Size (FWHM,  $\mu\text{m}$ )')
plt.ylabel('Max Proton Energy (MeV)')
plt.tight_layout()
plt.show()

```



## 2 Error Plots

```

[21]: #Plot relative error

difference = target[:].cpu().detach().numpy() - np.exp(output.cpu().detach().
    ↪numpy())
error = np.divide(difference, np.exp(output.cpu().detach().numpy())) * 100

fig=plt.figure(figsize=(12,4))
plt.subplot(1, 4, 1)
plt.scatter(logIntens, error, color = 'blue')
plt.xscale('log')
plt.xlabel(r'Intensity ( $\text{W cm}^{-2}$ )')
plt.ylabel('Max KE Error (%)')

```

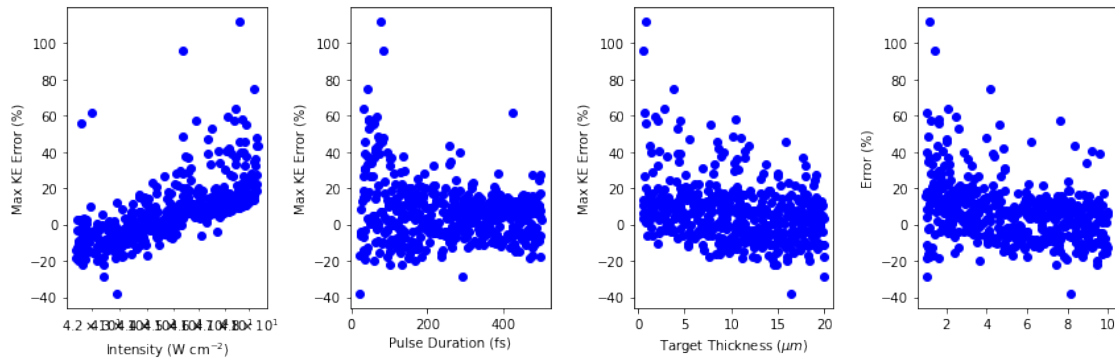
```

plt.subplot(1, 4, 2)
plt.scatter(duration,error, color = 'blue')
plt.xlabel('Pulse Duration (fs)')
plt.ylabel('Max KE Error (%)')

plt.subplot(1, 4, 3)
plt.scatter(thickness,error, color = 'blue')
plt.xlabel(r'Target Thickness ( $\mu\text{m}$ )')
plt.ylabel('Max KE Error (%)')

plt.subplot(1, 4, 4)
plt.scatter(spotSize,error, color = 'blue')
plt.ylabel('Max KE Error (%)')
plt.ylabel('Error (%)')
plt.tight_layout()
plt.show()

```



[22]: *#Plot relative error magnitude*

```

difference = np.abs(target[:].cpu().detach().numpy() - np.exp(output.cpu().
    ↳detach().numpy()))
error = np.divide(difference, np.exp(output.cpu().detach().numpy())) * 100

fig=plt.figure(figsize=(12,4))
plt.subplot(1, 4, 1)
plt.scatter(logIntens, error, color = 'blue')
plt.xscale('log')
plt.xlabel(r'Intensity (W cm-2)')
plt.ylabel('Max KE Error (%)')

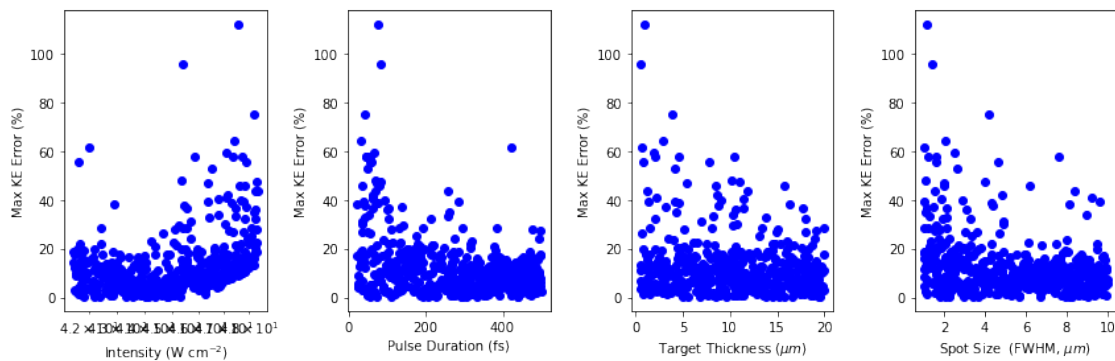
plt.subplot(1, 4, 2)
plt.scatter(duration,error, color = 'blue')
plt.xlabel('Pulse Duration (fs)')

```

```
plt.ylabel('Max KE Error (%)')

plt.subplot(1, 4, 3)
plt.scatter(thickness,error, color = 'blue')
plt.xlabel(r'Target Thickness ( $\mu\text{m}$ )')
plt.ylabel('Max KE Error (%)')

plt.subplot(1, 4, 4)
plt.scatter(spotSize,error, color = 'blue')
plt.xlabel(r'Spot Size (FWHM,  $\mu\text{m}$ )')
plt.ylabel('Max KE Error (%)')
plt.tight_layout()
plt.show()
```



[23]: *#Also plot absolute errors*

```
difference = target[:,].cpu().detach().numpy() - np.exp(output.cpu().detach().
    ↳numpy())

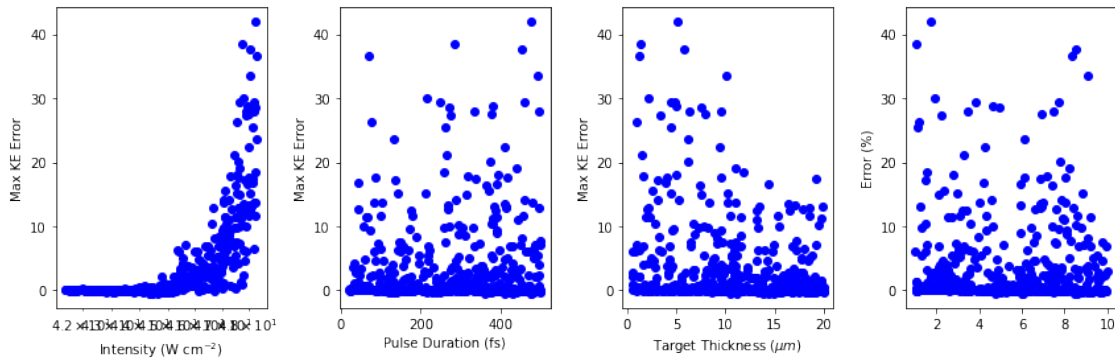
fig=plt.figure(figsize=(12,4))
plt.subplot(1, 4, 1)
plt.scatter(logIntens, difference, color = 'blue')
plt.xscale('log')
plt.xlabel(r'Intensity ( $\text{W cm}^{-2}$ )')
plt.ylabel('Max KE Error')

plt.subplot(1, 4, 2)
plt.scatter(duration, difference, color = 'blue')
plt.xlabel('Pulse Duration (fs)')
plt.ylabel('Max KE Error')

plt.subplot(1, 4, 3)
```

```
plt.scatter(thickness, difference, color = 'blue')
plt.xlabel(r'Target Thickness ( $\mu\text{m}$ )')
plt.ylabel('Max KE Error')

plt.subplot(1, 4, 4)
plt.scatter(spotSize, difference, color = 'blue')
plt.ylabel('Max KE Error')
plt.ylabel('Error (%)')
plt.tight_layout()
plt.show()
```



[24]: *#Absolute error magnitude*

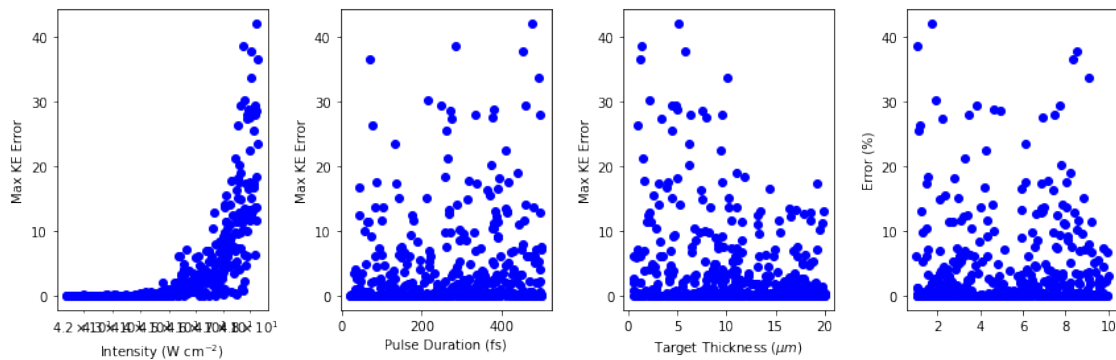
```
difference = np.abs(target[:].cpu().detach().numpy() - np.exp(output.cpu().
    ↳detach().numpy()))

fig=plt.figure(figsize=(12,4))
plt.subplot(1, 4, 1)
plt.scatter(logIntens, difference, color = 'blue')
plt.xscale('log')
plt.xlabel(r'Intensity (W cm-2)')
plt.ylabel('Max KE Error')

plt.subplot(1, 4, 2)
plt.scatter(duration, difference, color = 'blue')
plt.xlabel('Pulse Duration (fs)')
plt.ylabel('Max KE Error')

plt.subplot(1, 4, 3)
plt.scatter(thickness, difference, color = 'blue')
plt.xlabel(r'Target Thickness ( $\mu\text{m}$ )')
plt.ylabel('Max KE Error')
```

```
plt.subplot(1, 4, 4)
plt.scatter(spotSize, difference, color = 'blue')
plt.ylabel('Max KE Error')
plt.ylabel('Error (%)')
plt.tight_layout()
plt.show()
```



3 Could be better, but we're just using this regression neural network as practice for when we make an invertible regression neural network. There seems to be a small habit of underestimating the actual values.

3.1 The regression neural network looks like it does a pretty good job of predicting the max proton energy values, now can we get it to predict all three values at once?

[332]: *#Define a new neural network that outputs three features rather than one*

```
class MultiRegressor(nn.Module):
    '''
        Multilayer Perceptron for regression.
    '''
    def __init__(self):
        super().__init__()
        self.norm0 = nn.BatchNorm1d(4)
        self.linear1 = nn.Linear(in_features=4, out_features=64)
        self.norm1 = nn.BatchNorm1d(64)
        self.act1 = nn.LeakyReLU()
        self.dropout = nn.Dropout()
        self.linear2 = nn.Linear(in_features=64, out_features=16)
        self.norm2 = nn.BatchNorm1d(16)
```

```

        #self.dropout = nn.Dropout()
        self.act2 = nn.LeakyReLU()
        self.linear3 = nn.Linear(in_features=16, out_features=8)
        self.act3 = nn.LeakyReLU()
        #self.dropout = nn.Dropout()
        self.output = nn.Linear(in_features=8, out_features = 3)

def forward(self, x):
    '''
        Forward pass
    '''
    x = self.norm0(x)
    x = self.linear1(x)
    x = self.norm1(x)
    x = self.act1(x)
    #x = self.dropout(x)
    x = self.linear2(x)
    x = self.norm2(x)
    #x = self.dropout(x)
    x = self.act2(x)
    x = self.linear3(x)
    x = self.act3(x)
    #x = self.dropout(x)
    x = self.output(x)

    return x

```

3.2 The following two cells were used by me to figure out some stuff about the shape of our outputs

```

[333]: targets = data[:, 4:7]

        #print(targets)

        targets = data[:, 4]
        print(targets.shape[0])

        targets = data[:, 4:7]
        print(targets.shape[0])

```

80

80

```
[334]: targets = data[:, 4:7]
targets = targets.reshape((targets.shape[0], 3))
print(targets)
```

```
tensor([[2.0503e-01, 9.6624e-06, 2.6629e-02],
        [3.9169e+00, 1.1369e-03, 4.0903e-01],
        [1.0770e-02, 7.2793e-09, 1.6090e-03],
        [4.3959e+01, 3.4613e-02, 1.9443e+00],
        [7.0116e+00, 8.8219e-03, 5.6690e-01],
        [1.6428e+00, 2.8838e-04, 1.1187e-01],
        [1.4260e-03, 8.0266e-10, 2.3035e-04],
        [1.2419e+01, 3.6402e-02, 7.7564e-01],
        [3.5860e+01, 7.2838e-02, 1.2761e+00],
        [5.5804e+00, 4.7555e-03, 5.4730e-01],
        [3.8773e+01, 1.8949e-01, 1.0303e+00],
        [4.8238e+00, 4.0295e-03, 3.4869e-01],
        [2.0612e+02, 1.8923e+00, 3.6880e+00],
        [2.1979e+01, 1.1590e-01, 1.3195e+00],
        [8.4881e-01, 1.9671e-04, 6.4707e-02],
        [6.2502e+01, 4.4509e-01, 3.3796e+00],
        [1.5831e+00, 1.5506e-04, 1.7010e-01],
        [6.6243e+01, 5.9035e-01, 2.8978e+00],
        [6.2802e+00, 3.0661e-03, 2.6969e-01],
        [3.3090e+01, 1.4945e-01, 2.2485e+00],
        [1.2981e+01, 1.5487e-02, 8.8947e-01],
        [2.3171e+01, 2.4645e-02, 1.8756e+00],
        [4.8718e+00, 2.2344e-02, 5.6785e-01],
        [4.6584e+00, 5.9550e-03, 4.3461e-01],
        [1.3984e+00, 2.6707e-04, 9.0887e-02],
        [6.2318e+01, 3.3752e-01, 1.5927e+00],
        [2.1216e+01, 1.6960e-02, 1.3715e+00],
        [4.1828e+01, 4.1427e-01, 1.4562e+00],
        [1.2255e+00, 1.4102e-04, 9.1352e-02],
        [2.1899e-01, 4.6915e-06, 2.8114e-02],
        [1.7927e+01, 3.2154e-02, 6.4450e-01],
        [6.2638e-01, 2.5281e-04, 6.9360e-02],
        [4.4034e+00, 1.6500e-03, 3.2083e-01],
        [9.5442e+01, 2.6707e-01, 2.7145e+00],
        [1.5084e+02, 4.0158e+00, 3.6439e+00],
        [1.3386e+02, 4.8455e+00, 3.5438e+00],
        [4.3976e-01, 9.2477e-06, 4.8646e-02],
        [8.7559e+01, 6.7289e-01, 2.1490e+00],
        [1.2301e+01, 2.9621e-02, 8.0499e-01],
        [1.4969e+02, 2.3407e-01, 3.4696e+00],
        [3.2185e+01, 4.1496e-02, 1.7313e+00],
        [7.7326e+01, 8.7086e-01, 3.3870e+00],
        [1.5792e+00, 6.0304e-04, 9.8744e-02],
        [1.0639e+00, 2.0454e-04, 7.8407e-02],
```



```
[1.9127e+02, 4.6740e+00, 4.0245e+00],
[1.4067e+00, 2.8770e-04, 1.7141e-01],
[1.1659e-01, 1.0753e-06, 1.7093e-02],
[5.8955e+00, 1.2794e-02, 5.3915e-01],
[2.6699e-02, 7.3984e-07, 3.7981e-03],
[4.3211e+00, 1.5388e-03, 3.2958e-01],
[4.7609e+01, 2.9344e-01, 1.4142e+00],
[2.3311e+01, 1.1045e-02, 1.1834e+00],
[2.0909e+01, 4.8932e-03, 1.0252e+00],
[2.7967e+01, 1.2259e-01, 2.0570e+00],
[1.2349e+02, 1.5428e+00, 4.1039e+00],
[7.1550e+00, 1.6453e-02, 6.9301e-01],
[1.0352e-01, 5.0978e-06, 1.3513e-02],
[7.0422e+00, 1.3344e-02, 4.8730e-01],
[1.1529e+01, 3.1825e-03, 7.4371e-01],
[2.8342e-01, 3.1689e-05, 2.9229e-02],
[4.1677e+01, 7.4499e-02, 1.0399e+00],
[7.0867e-01, 8.8910e-05, 4.7749e-02],
[5.2946e-03, 2.2830e-08, 8.3119e-04],
[1.3913e+00, 8.0006e-04, 1.3837e-01],
[8.0849e-01, 2.4238e-05, 5.1505e-02],
[4.3173e-01, 4.8633e-05, 5.6119e-02],
[9.2695e-01, 3.5662e-05, 8.0472e-02],
[9.0910e-01, 8.4621e-05, 7.9132e-02],
[5.7454e-01, 3.3312e-05, 5.8635e-02],
[7.2887e-01, 3.4604e-05, 4.9630e-02],
[8.1454e+01, 7.8579e-01, 2.4546e+00],
[3.1009e+01, 2.4830e-01, 2.3523e+00],
[4.4813e-01, 4.7715e-05, 4.5177e-02],
[4.1526e+01, 3.4882e-01, 2.0924e+00],
[3.2542e-02, 3.0257e-07, 4.4367e-03],
[3.9817e+00, 4.7454e-03, 2.3281e-01],
[3.4735e-01, 3.6616e-05, 3.4967e-02],
[9.2412e+01, 1.6080e-01, 3.2850e+00],
[2.8588e+00, 2.6846e-04, 1.3857e-01],
[4.0373e-02, 1.0523e-07, 5.3463e-03]], dtype=torch.float64)
```

## 4 Train our multi-output neural network

```
[335]: #Initialize neural network

#model = MultiRegressor()
multiModel = MultiRegressor().to('cuda') #GPU Version, comment out if not using
↳ GPU

loss_function = nn.MSELoss()
#loss_function = nn.L1Loss()
```

```

optimizer = torch.optim.Adam(multiModel.parameters(), lr=1e-3)
numEpochs = 20

print(multiModel)

trainNetwork(multiModel, loss_function, optimizer, numEpochs, dataloader, 3)

```

```

MultiRegressor(
  (norm0): BatchNorm1d(4, eps=1e-05, momentum=0.1, affine=True,
track_running_stats=True)
  (linear1): Linear(in_features=4, out_features=64, bias=True)
  (norm1): BatchNorm1d(64, eps=1e-05, momentum=0.1, affine=True,
track_running_stats=True)
  (act1): LeakyReLU(negative_slope=0.01)
  (dropout): Dropout(p=0.5, inplace=False)
  (linear2): Linear(in_features=64, out_features=16, bias=True)
  (norm2): BatchNorm1d(16, eps=1e-05, momentum=0.1, affine=True,
track_running_stats=True)
  (act2): LeakyReLU(negative_slope=0.01)
  (linear3): Linear(in_features=16, out_features=8, bias=True)
  (act3): LeakyReLU(negative_slope=0.01)
  (output): Linear(in_features=8, out_features=3, bias=True)
)

```

Starting epoch 1

Loss after mini-batch	1: 0.067
Loss after mini-batch	11: 0.464
Loss after mini-batch	21: 0.598
Loss after mini-batch	31: 0.474
Loss after mini-batch	41: 0.478
Loss after mini-batch	51: 0.479
Loss after mini-batch	61: 0.425
Loss after mini-batch	71: 0.349
Loss after mini-batch	81: 0.401
Loss after mini-batch	91: 0.302
Loss after mini-batch	101: 0.303
Loss after mini-batch	111: 0.236
Loss after mini-batch	121: 0.210
Loss after mini-batch	131: 0.182
Loss after mini-batch	141: 0.177
Loss after mini-batch	151: 0.122
Loss after mini-batch	161: 0.107
Loss after mini-batch	171: 0.088
Loss after mini-batch	181: 0.085
Loss after mini-batch	191: 0.074
Loss after mini-batch	201: 0.049
Loss after mini-batch	211: 0.047
Loss after mini-batch	221: 0.033

Loss after mini-batch	231: 0.032
Loss after mini-batch	241: 0.028
Loss after mini-batch	251: 0.022
Loss after mini-batch	261: 0.022
Loss after mini-batch	271: 0.026
Loss after mini-batch	281: 0.014
Loss after mini-batch	291: 0.018
Loss after mini-batch	301: 0.037
Loss after mini-batch	311: 0.027
Loss after mini-batch	321: 0.024
Loss after mini-batch	331: 0.017
Loss after mini-batch	341: 0.023
Loss after mini-batch	351: 0.013
Loss after mini-batch	361: 0.011
Loss after mini-batch	371: 0.017
Loss after mini-batch	381: 0.014
Loss after mini-batch	391: 0.012
Loss after mini-batch	401: 0.018
Loss after mini-batch	411: 0.028
Loss after mini-batch	421: 0.015
Loss after mini-batch	431: 0.018
Loss after mini-batch	441: 0.013
Loss after mini-batch	451: 0.013
Loss after mini-batch	461: 0.017
Loss after mini-batch	471: 0.014
Loss after mini-batch	481: 0.034
Loss after mini-batch	491: 0.016
Loss after mini-batch	501: 0.017
Loss after mini-batch	511: 0.022
Loss after mini-batch	521: 0.020
Loss after mini-batch	531: 0.014
Loss after mini-batch	541: 0.019
Loss after mini-batch	551: 0.015
Loss after mini-batch	561: 0.012
Loss after mini-batch	571: 0.018
Loss after mini-batch	581: 0.016
Loss after mini-batch	591: 0.013
Loss after mini-batch	601: 0.017
Loss after mini-batch	611: 0.013
Loss after mini-batch	621: 0.019
Loss after mini-batch	631: 0.009
Loss after mini-batch	641: 0.016
Loss after mini-batch	651: 0.013
Loss after mini-batch	661: 0.010
Loss after mini-batch	671: 0.014
Loss after mini-batch	681: 0.015
Loss after mini-batch	691: 0.013
Loss after mini-batch	701: 0.008

Loss after mini-batch	711: 0.014
Loss after mini-batch	721: 0.013
Loss after mini-batch	731: 0.015
Loss after mini-batch	741: 0.014
Loss after mini-batch	751: 0.011
Loss after mini-batch	761: 0.014
Loss after mini-batch	771: 0.010
Loss after mini-batch	781: 0.015
Loss after mini-batch	791: 0.008
Loss after mini-batch	801: 0.018
Loss after mini-batch	811: 0.006
Loss after mini-batch	821: 0.015
Loss after mini-batch	831: 0.007
Loss after mini-batch	841: 0.018
Loss after mini-batch	851: 0.010
Loss after mini-batch	861: 0.015
Loss after mini-batch	871: 0.010
Loss after mini-batch	881: 0.017
Loss after mini-batch	891: 0.013
Loss after mini-batch	901: 0.021
Loss after mini-batch	911: 0.015
Loss after mini-batch	921: 0.013
Loss after mini-batch	931: 0.016
Loss after mini-batch	941: 0.015
Loss after mini-batch	951: 0.013
Loss after mini-batch	961: 0.013
Loss after mini-batch	971: 0.016
Loss after mini-batch	981: 0.023
Loss after mini-batch	991: 0.010
Loss after mini-batch	1001: 0.015
Loss after mini-batch	1011: 0.013
Loss after mini-batch	1021: 0.010
Loss after mini-batch	1031: 0.014
Loss after mini-batch	1041: 0.010
Loss after mini-batch	1051: 0.010
Loss after mini-batch	1061: 0.020
Loss after mini-batch	1071: 0.015
Loss after mini-batch	1081: 0.011
Loss after mini-batch	1091: 0.017
Loss after mini-batch	1101: 0.015
Loss after mini-batch	1111: 0.010
Loss after mini-batch	1121: 0.014
Loss after mini-batch	1131: 0.013
Loss after mini-batch	1141: 0.010
Loss after mini-batch	1151: 0.014
Loss after mini-batch	1161: 0.011
Loss after mini-batch	1171: 0.010
Loss after mini-batch	1181: 0.012

Loss after mini-batch	1191:	0.019
Loss after mini-batch	1201:	0.007
Loss after mini-batch	1211:	0.008
Loss after mini-batch	1221:	0.014
Loss after mini-batch	1231:	0.012
Loss after mini-batch	1241:	0.016
Loss after mini-batch	1251:	0.026
Loss after mini-batch	1261:	0.022
Loss after mini-batch	1271:	0.015
Loss after mini-batch	1281:	0.016
Loss after mini-batch	1291:	0.010
Loss after mini-batch	1301:	0.016
Loss after mini-batch	1311:	0.010
Loss after mini-batch	1321:	0.018
Loss after mini-batch	1331:	0.016
Loss after mini-batch	1341:	0.023
Loss after mini-batch	1351:	0.014
Loss after mini-batch	1361:	0.012
Loss after mini-batch	1371:	0.013
Loss after mini-batch	1381:	0.025
Loss after mini-batch	1391:	0.019
Loss after mini-batch	1401:	0.022
Loss after mini-batch	1411:	0.009
Loss after mini-batch	1421:	0.013
Loss after mini-batch	1431:	0.018
Loss after mini-batch	1441:	0.009
Loss after mini-batch	1451:	0.023
Loss after mini-batch	1461:	0.019
Loss after mini-batch	1471:	0.016
Loss after mini-batch	1481:	0.019
Loss after mini-batch	1491:	0.015
Loss after mini-batch	1501:	0.010
Loss after mini-batch	1511:	0.011
Loss after mini-batch	1521:	0.010
Loss after mini-batch	1531:	0.009
Loss after mini-batch	1541:	0.018
Loss after mini-batch	1551:	0.010
Loss after mini-batch	1561:	0.013
Loss after mini-batch	1571:	0.010
Loss after mini-batch	1581:	0.020
Loss after mini-batch	1591:	0.009
Loss after mini-batch	1601:	0.009
Loss after mini-batch	1611:	0.011
Loss after mini-batch	1621:	0.017
Loss after mini-batch	1631:	0.011
Loss after mini-batch	1641:	0.019
Loss after mini-batch	1651:	0.010
Loss after mini-batch	1661:	0.014

Loss after mini-batch	1671:	0.020
Loss after mini-batch	1681:	0.013
Loss after mini-batch	1691:	0.025
Loss after mini-batch	1701:	0.013
Loss after mini-batch	1711:	0.011
Loss after mini-batch	1721:	0.009
Loss after mini-batch	1731:	0.020
Loss after mini-batch	1741:	0.012
Loss after mini-batch	1751:	0.013
Loss after mini-batch	1761:	0.012
Loss after mini-batch	1771:	0.013
Loss after mini-batch	1781:	0.014
Loss after mini-batch	1791:	0.015
Loss after mini-batch	1801:	0.020
Loss after mini-batch	1811:	0.020
Loss after mini-batch	1821:	0.013
Loss after mini-batch	1831:	0.018
Loss after mini-batch	1841:	0.009
Loss after mini-batch	1851:	0.010
Loss after mini-batch	1861:	0.022
Loss after mini-batch	1871:	0.016
Loss after mini-batch	1881:	0.008
Loss after mini-batch	1891:	0.012
Loss after mini-batch	1901:	0.010
Loss after mini-batch	1911:	0.010
Loss after mini-batch	1921:	0.013
Loss after mini-batch	1931:	0.021
Loss after mini-batch	1941:	0.015
Loss after mini-batch	1951:	0.014
Loss after mini-batch	1961:	0.013
Loss after mini-batch	1971:	0.014
Loss after mini-batch	1981:	0.011
Loss after mini-batch	1991:	0.018
Loss after mini-batch	2001:	0.019
Loss after mini-batch	2011:	0.011
Loss after mini-batch	2021:	0.015
Loss after mini-batch	2031:	0.011
Loss after mini-batch	2041:	0.011
Loss after mini-batch	2051:	0.011
Loss after mini-batch	2061:	0.013
Loss after mini-batch	2071:	0.011
Loss after mini-batch	2081:	0.013
Loss after mini-batch	2091:	0.013
Loss after mini-batch	2101:	0.023
Loss after mini-batch	2111:	0.013
Loss after mini-batch	2121:	0.015
Loss after mini-batch	2131:	0.015
Loss after mini-batch	2141:	0.010

Loss after mini-batch	2151:	0.009
Loss after mini-batch	2161:	0.013
Loss after mini-batch	2171:	0.012
Loss after mini-batch	2181:	0.012
Loss after mini-batch	2191:	0.016
Loss after mini-batch	2201:	0.013
Loss after mini-batch	2211:	0.013
Loss after mini-batch	2221:	0.010
Loss after mini-batch	2231:	0.010
Loss after mini-batch	2241:	0.011
Loss after mini-batch	2251:	0.017
Loss after mini-batch	2261:	0.014
Loss after mini-batch	2271:	0.017
Loss after mini-batch	2281:	0.013
Loss after mini-batch	2291:	0.009
Loss after mini-batch	2301:	0.013
Loss after mini-batch	2311:	0.010
Loss after mini-batch	2321:	0.016
Loss after mini-batch	2331:	0.014
Loss after mini-batch	2341:	0.026
Loss after mini-batch	2351:	0.022
Loss after mini-batch	2361:	0.015
Loss after mini-batch	2371:	0.011
Loss after mini-batch	2381:	0.009
Loss after mini-batch	2391:	0.016
Loss after mini-batch	2401:	0.010
Loss after mini-batch	2411:	0.013
Loss after mini-batch	2421:	0.011
Loss after mini-batch	2431:	0.012
Loss after mini-batch	2441:	0.021
Loss after mini-batch	2451:	0.015
Loss after mini-batch	2461:	0.011
Loss after mini-batch	2471:	0.009
Loss after mini-batch	2481:	0.007
Loss after mini-batch	2491:	0.020
Loss after mini-batch	2501:	0.008
Loss after mini-batch	2511:	0.010
Loss after mini-batch	2521:	0.016
Loss after mini-batch	2531:	0.018
Loss after mini-batch	2541:	0.014
Loss after mini-batch	2551:	0.016
Loss after mini-batch	2561:	0.009
Loss after mini-batch	2571:	0.014
Loss after mini-batch	2581:	0.012
Loss after mini-batch	2591:	0.010
Loss after mini-batch	2601:	0.017
Loss after mini-batch	2611:	0.013
Loss after mini-batch	2621:	0.014

```

Loss after mini-batch 2631: 0.022
Loss after mini-batch 2641: 0.016
Loss after mini-batch 2651: 0.016
Loss after mini-batch 2661: 0.017
Loss after mini-batch 2671: 0.013
Loss after mini-batch 2681: 0.018
Loss after mini-batch 2691: 0.016
Loss after mini-batch 2701: 0.015
Loss after mini-batch 2711: 0.011
Loss after mini-batch 2721: 0.022
Loss after mini-batch 2731: 0.021
Loss after mini-batch 2741: 0.011
Loss after mini-batch 2751: 0.013
Loss after mini-batch 2761: 0.014
Loss after mini-batch 2771: 0.009
Loss after mini-batch 2781: 0.011
Loss after mini-batch 2791: 0.010
Loss after mini-batch 2801: 0.013
Loss after mini-batch 2811: 0.014
Starting epoch 2
Loss after mini-batch      1: 0.003
Loss after mini-batch     11: 0.011
Loss after mini-batch     21: 0.013
Loss after mini-batch     31: 0.012
Loss after mini-batch     41: 0.006
Loss after mini-batch     51: 0.010
Loss after mini-batch     61: 0.010
Loss after mini-batch     71: 0.011
Loss after mini-batch     81: 0.010
Loss after mini-batch     91: 0.016
Loss after mini-batch    101: 0.010
Loss after mini-batch    111: 0.020
Loss after mini-batch    121: 0.022
Loss after mini-batch    131: 0.015
Loss after mini-batch    141: 0.008
Loss after mini-batch    151: 0.009
Loss after mini-batch    161: 0.018
Loss after mini-batch    171: 0.009
Loss after mini-batch    181: 0.014
Loss after mini-batch    191: 0.011
Loss after mini-batch    201: 0.011
Loss after mini-batch    211: 0.011
Loss after mini-batch    221: 0.011
Loss after mini-batch    231: 0.015
Loss after mini-batch    241: 0.014
Loss after mini-batch    251: 0.017
Loss after mini-batch    261: 0.012
Loss after mini-batch    271: 0.011

```



Loss after mini-batch	281: 0.012
Loss after mini-batch	291: 0.014
Loss after mini-batch	301: 0.008
Loss after mini-batch	311: 0.008
Loss after mini-batch	321: 0.007
Loss after mini-batch	331: 0.014
Loss after mini-batch	341: 0.010
Loss after mini-batch	351: 0.009
Loss after mini-batch	361: 0.009
Loss after mini-batch	371: 0.022
Loss after mini-batch	381: 0.006
Loss after mini-batch	391: 0.018
Loss after mini-batch	401: 0.010
Loss after mini-batch	411: 0.022
Loss after mini-batch	421: 0.018
Loss after mini-batch	431: 0.010
Loss after mini-batch	441: 0.015
Loss after mini-batch	451: 0.013
Loss after mini-batch	461: 0.013
Loss after mini-batch	471: 0.011
Loss after mini-batch	481: 0.009
Loss after mini-batch	491: 0.011
Loss after mini-batch	501: 0.012
Loss after mini-batch	511: 0.011
Loss after mini-batch	521: 0.006
Loss after mini-batch	531: 0.007
Loss after mini-batch	541: 0.016
Loss after mini-batch	551: 0.011
Loss after mini-batch	561: 0.012
Loss after mini-batch	571: 0.017
Loss after mini-batch	581: 0.010
Loss after mini-batch	591: 0.019
Loss after mini-batch	601: 0.016
Loss after mini-batch	611: 0.008
Loss after mini-batch	621: 0.009
Loss after mini-batch	631: 0.013
Loss after mini-batch	641: 0.019
Loss after mini-batch	651: 0.012
Loss after mini-batch	661: 0.012
Loss after mini-batch	671: 0.010
Loss after mini-batch	681: 0.013
Loss after mini-batch	691: 0.007
Loss after mini-batch	701: 0.009
Loss after mini-batch	711: 0.011
Loss after mini-batch	721: 0.015
Loss after mini-batch	731: 0.009
Loss after mini-batch	741: 0.012
Loss after mini-batch	751: 0.011

Loss after mini-batch	761:	0.010
Loss after mini-batch	771:	0.006
Loss after mini-batch	781:	0.019
Loss after mini-batch	791:	0.011
Loss after mini-batch	801:	0.010
Loss after mini-batch	811:	0.010
Loss after mini-batch	821:	0.006
Loss after mini-batch	831:	0.011
Loss after mini-batch	841:	0.013
Loss after mini-batch	851:	0.010
Loss after mini-batch	861:	0.017
Loss after mini-batch	871:	0.013
Loss after mini-batch	881:	0.010
Loss after mini-batch	891:	0.011
Loss after mini-batch	901:	0.010
Loss after mini-batch	911:	0.009
Loss after mini-batch	921:	0.021
Loss after mini-batch	931:	0.012
Loss after mini-batch	941:	0.013
Loss after mini-batch	951:	0.011
Loss after mini-batch	961:	0.013
Loss after mini-batch	971:	0.010
Loss after mini-batch	981:	0.007
Loss after mini-batch	991:	0.014
Loss after mini-batch	1001:	0.009
Loss after mini-batch	1011:	0.008
Loss after mini-batch	1021:	0.010
Loss after mini-batch	1031:	0.008
Loss after mini-batch	1041:	0.004
Loss after mini-batch	1051:	0.006
Loss after mini-batch	1061:	0.019
Loss after mini-batch	1071:	0.009
Loss after mini-batch	1081:	0.011
Loss after mini-batch	1091:	0.007
Loss after mini-batch	1101:	0.005
Loss after mini-batch	1111:	0.009
Loss after mini-batch	1121:	0.011
Loss after mini-batch	1131:	0.015
Loss after mini-batch	1141:	0.017
Loss after mini-batch	1151:	0.015
Loss after mini-batch	1161:	0.013
Loss after mini-batch	1171:	0.011
Loss after mini-batch	1181:	0.011
Loss after mini-batch	1191:	0.016
Loss after mini-batch	1201:	0.009
Loss after mini-batch	1211:	0.010
Loss after mini-batch	1221:	0.011
Loss after mini-batch	1231:	0.006

Loss after mini-batch	1241:	0.009
Loss after mini-batch	1251:	0.008
Loss after mini-batch	1261:	0.013
Loss after mini-batch	1271:	0.009
Loss after mini-batch	1281:	0.012
Loss after mini-batch	1291:	0.010
Loss after mini-batch	1301:	0.021
Loss after mini-batch	1311:	0.006
Loss after mini-batch	1321:	0.013
Loss after mini-batch	1331:	0.011
Loss after mini-batch	1341:	0.008
Loss after mini-batch	1351:	0.011
Loss after mini-batch	1361:	0.009
Loss after mini-batch	1371:	0.006
Loss after mini-batch	1381:	0.010
Loss after mini-batch	1391:	0.011
Loss after mini-batch	1401:	0.010
Loss after mini-batch	1411:	0.014
Loss after mini-batch	1421:	0.011
Loss after mini-batch	1431:	0.019
Loss after mini-batch	1441:	0.009
Loss after mini-batch	1451:	0.014
Loss after mini-batch	1461:	0.010
Loss after mini-batch	1471:	0.016
Loss after mini-batch	1481:	0.007
Loss after mini-batch	1491:	0.012
Loss after mini-batch	1501:	0.015
Loss after mini-batch	1511:	0.008
Loss after mini-batch	1521:	0.013
Loss after mini-batch	1531:	0.013
Loss after mini-batch	1541:	0.015
Loss after mini-batch	1551:	0.012
Loss after mini-batch	1561:	0.010
Loss after mini-batch	1571:	0.014
Loss after mini-batch	1581:	0.022
Loss after mini-batch	1591:	0.013
Loss after mini-batch	1601:	0.017
Loss after mini-batch	1611:	0.017
Loss after mini-batch	1621:	0.012
Loss after mini-batch	1631:	0.012
Loss after mini-batch	1641:	0.016
Loss after mini-batch	1651:	0.013
Loss after mini-batch	1661:	0.011
Loss after mini-batch	1671:	0.011
Loss after mini-batch	1681:	0.013
Loss after mini-batch	1691:	0.012
Loss after mini-batch	1701:	0.012
Loss after mini-batch	1711:	0.019

Loss after mini-batch	1721:	0.013
Loss after mini-batch	1731:	0.013
Loss after mini-batch	1741:	0.011
Loss after mini-batch	1751:	0.010
Loss after mini-batch	1761:	0.007
Loss after mini-batch	1771:	0.021
Loss after mini-batch	1781:	0.010
Loss after mini-batch	1791:	0.009
Loss after mini-batch	1801:	0.016
Loss after mini-batch	1811:	0.009
Loss after mini-batch	1821:	0.011
Loss after mini-batch	1831:	0.008
Loss after mini-batch	1841:	0.010
Loss after mini-batch	1851:	0.012
Loss after mini-batch	1861:	0.010
Loss after mini-batch	1871:	0.012
Loss after mini-batch	1881:	0.013
Loss after mini-batch	1891:	0.019
Loss after mini-batch	1901:	0.005
Loss after mini-batch	1911:	0.009
Loss after mini-batch	1921:	0.014
Loss after mini-batch	1931:	0.011
Loss after mini-batch	1941:	0.017
Loss after mini-batch	1951:	0.013
Loss after mini-batch	1961:	0.008
Loss after mini-batch	1971:	0.013
Loss after mini-batch	1981:	0.017
Loss after mini-batch	1991:	0.024
Loss after mini-batch	2001:	0.011
Loss after mini-batch	2011:	0.010
Loss after mini-batch	2021:	0.010
Loss after mini-batch	2031:	0.010
Loss after mini-batch	2041:	0.010
Loss after mini-batch	2051:	0.016
Loss after mini-batch	2061:	0.007
Loss after mini-batch	2071:	0.018
Loss after mini-batch	2081:	0.015
Loss after mini-batch	2091:	0.010
Loss after mini-batch	2101:	0.017
Loss after mini-batch	2111:	0.017
Loss after mini-batch	2121:	0.011
Loss after mini-batch	2131:	0.009
Loss after mini-batch	2141:	0.013
Loss after mini-batch	2151:	0.009
Loss after mini-batch	2161:	0.011
Loss after mini-batch	2171:	0.013
Loss after mini-batch	2181:	0.008
Loss after mini-batch	2191:	0.019

Loss after mini-batch	2201:	0.009
Loss after mini-batch	2211:	0.009
Loss after mini-batch	2221:	0.013
Loss after mini-batch	2231:	0.008
Loss after mini-batch	2241:	0.009
Loss after mini-batch	2251:	0.010
Loss after mini-batch	2261:	0.006
Loss after mini-batch	2271:	0.014
Loss after mini-batch	2281:	0.015
Loss after mini-batch	2291:	0.014
Loss after mini-batch	2301:	0.009
Loss after mini-batch	2311:	0.012
Loss after mini-batch	2321:	0.007
Loss after mini-batch	2331:	0.014
Loss after mini-batch	2341:	0.012
Loss after mini-batch	2351:	0.009
Loss after mini-batch	2361:	0.012
Loss after mini-batch	2371:	0.006
Loss after mini-batch	2381:	0.011
Loss after mini-batch	2391:	0.010
Loss after mini-batch	2401:	0.007
Loss after mini-batch	2411:	0.007
Loss after mini-batch	2421:	0.011
Loss after mini-batch	2431:	0.007
Loss after mini-batch	2441:	0.009
Loss after mini-batch	2451:	0.010
Loss after mini-batch	2461:	0.016
Loss after mini-batch	2471:	0.011
Loss after mini-batch	2481:	0.023
Loss after mini-batch	2491:	0.016
Loss after mini-batch	2501:	0.011
Loss after mini-batch	2511:	0.007
Loss after mini-batch	2521:	0.014
Loss after mini-batch	2531:	0.012
Loss after mini-batch	2541:	0.015
Loss after mini-batch	2551:	0.012
Loss after mini-batch	2561:	0.011
Loss after mini-batch	2571:	0.019
Loss after mini-batch	2581:	0.010
Loss after mini-batch	2591:	0.007
Loss after mini-batch	2601:	0.010
Loss after mini-batch	2611:	0.012
Loss after mini-batch	2621:	0.011
Loss after mini-batch	2631:	0.008
Loss after mini-batch	2641:	0.015
Loss after mini-batch	2651:	0.018
Loss after mini-batch	2661:	0.010
Loss after mini-batch	2671:	0.008

```

Loss after mini-batch 2681: 0.010
Loss after mini-batch 2691: 0.009
Loss after mini-batch 2701: 0.007
Loss after mini-batch 2711: 0.017
Loss after mini-batch 2721: 0.012
Loss after mini-batch 2731: 0.017
Loss after mini-batch 2741: 0.010
Loss after mini-batch 2751: 0.013
Loss after mini-batch 2761: 0.016
Loss after mini-batch 2771: 0.019
Loss after mini-batch 2781: 0.012
Loss after mini-batch 2791: 0.010
Loss after mini-batch 2801: 0.011
Loss after mini-batch 2811: 0.020
Starting epoch 3
Loss after mini-batch      1: 0.002
Loss after mini-batch     11: 0.010
Loss after mini-batch     21: 0.015
Loss after mini-batch     31: 0.008
Loss after mini-batch     41: 0.014
Loss after mini-batch     51: 0.009
Loss after mini-batch     61: 0.007
Loss after mini-batch     71: 0.011
Loss after mini-batch     81: 0.010
Loss after mini-batch     91: 0.015
Loss after mini-batch    101: 0.008
Loss after mini-batch    111: 0.014
Loss after mini-batch    121: 0.013
Loss after mini-batch    131: 0.011
Loss after mini-batch    141: 0.013
Loss after mini-batch    151: 0.008
Loss after mini-batch    161: 0.008
Loss after mini-batch    171: 0.011
Loss after mini-batch    181: 0.007
Loss after mini-batch    191: 0.016
Loss after mini-batch    201: 0.009
Loss after mini-batch    211: 0.011
Loss after mini-batch    221: 0.012
Loss after mini-batch    231: 0.014
Loss after mini-batch    241: 0.008
Loss after mini-batch    251: 0.012
Loss after mini-batch    261: 0.011
Loss after mini-batch    271: 0.008
Loss after mini-batch    281: 0.011
Loss after mini-batch    291: 0.015
Loss after mini-batch    301: 0.009
Loss after mini-batch    311: 0.013
Loss after mini-batch    321: 0.020

```

Loss after mini-batch	331: 0.010
Loss after mini-batch	341: 0.014
Loss after mini-batch	351: 0.018
Loss after mini-batch	361: 0.016
Loss after mini-batch	371: 0.006
Loss after mini-batch	381: 0.008
Loss after mini-batch	391: 0.008
Loss after mini-batch	401: 0.011
Loss after mini-batch	411: 0.010
Loss after mini-batch	421: 0.018
Loss after mini-batch	431: 0.008
Loss after mini-batch	441: 0.011
Loss after mini-batch	451: 0.012
Loss after mini-batch	461: 0.013
Loss after mini-batch	471: 0.015
Loss after mini-batch	481: 0.012
Loss after mini-batch	491: 0.011
Loss after mini-batch	501: 0.014
Loss after mini-batch	511: 0.016
Loss after mini-batch	521: 0.012
Loss after mini-batch	531: 0.015
Loss after mini-batch	541: 0.010
Loss after mini-batch	551: 0.010
Loss after mini-batch	561: 0.012
Loss after mini-batch	571: 0.015
Loss after mini-batch	581: 0.011
Loss after mini-batch	591: 0.006
Loss after mini-batch	601: 0.016
Loss after mini-batch	611: 0.011
Loss after mini-batch	621: 0.014
Loss after mini-batch	631: 0.004
Loss after mini-batch	641: 0.009
Loss after mini-batch	651: 0.009
Loss after mini-batch	661: 0.007
Loss after mini-batch	671: 0.014
Loss after mini-batch	681: 0.008
Loss after mini-batch	691: 0.016
Loss after mini-batch	701: 0.017
Loss after mini-batch	711: 0.013
Loss after mini-batch	721: 0.011
Loss after mini-batch	731: 0.010
Loss after mini-batch	741: 0.017
Loss after mini-batch	751: 0.014
Loss after mini-batch	761: 0.009
Loss after mini-batch	771: 0.014
Loss after mini-batch	781: 0.007
Loss after mini-batch	791: 0.018
Loss after mini-batch	801: 0.010

Loss after mini-batch	811:	0.010
Loss after mini-batch	821:	0.012
Loss after mini-batch	831:	0.011
Loss after mini-batch	841:	0.009
Loss after mini-batch	851:	0.014
Loss after mini-batch	861:	0.016
Loss after mini-batch	871:	0.015
Loss after mini-batch	881:	0.011
Loss after mini-batch	891:	0.023
Loss after mini-batch	901:	0.013
Loss after mini-batch	911:	0.009
Loss after mini-batch	921:	0.015
Loss after mini-batch	931:	0.008
Loss after mini-batch	941:	0.011
Loss after mini-batch	951:	0.016
Loss after mini-batch	961:	0.014
Loss after mini-batch	971:	0.006
Loss after mini-batch	981:	0.010
Loss after mini-batch	991:	0.015
Loss after mini-batch	1001:	0.013
Loss after mini-batch	1011:	0.011
Loss after mini-batch	1021:	0.015
Loss after mini-batch	1031:	0.014
Loss after mini-batch	1041:	0.022
Loss after mini-batch	1051:	0.013
Loss after mini-batch	1061:	0.008
Loss after mini-batch	1071:	0.007
Loss after mini-batch	1081:	0.012
Loss after mini-batch	1091:	0.014
Loss after mini-batch	1101:	0.013
Loss after mini-batch	1111:	0.017
Loss after mini-batch	1121:	0.009
Loss after mini-batch	1131:	0.013
Loss after mini-batch	1141:	0.013
Loss after mini-batch	1151:	0.010
Loss after mini-batch	1161:	0.018
Loss after mini-batch	1171:	0.008
Loss after mini-batch	1181:	0.016
Loss after mini-batch	1191:	0.008
Loss after mini-batch	1201:	0.010
Loss after mini-batch	1211:	0.013
Loss after mini-batch	1221:	0.007
Loss after mini-batch	1231:	0.010
Loss after mini-batch	1241:	0.012
Loss after mini-batch	1251:	0.007
Loss after mini-batch	1261:	0.013
Loss after mini-batch	1271:	0.009
Loss after mini-batch	1281:	0.009



Loss after mini-batch	1291:	0.009
Loss after mini-batch	1301:	0.010
Loss after mini-batch	1311:	0.009
Loss after mini-batch	1321:	0.013
Loss after mini-batch	1331:	0.015
Loss after mini-batch	1341:	0.008
Loss after mini-batch	1351:	0.009
Loss after mini-batch	1361:	0.009
Loss after mini-batch	1371:	0.019
Loss after mini-batch	1381:	0.013
Loss after mini-batch	1391:	0.017
Loss after mini-batch	1401:	0.009
Loss after mini-batch	1411:	0.013
Loss after mini-batch	1421:	0.010
Loss after mini-batch	1431:	0.011
Loss after mini-batch	1441:	0.014
Loss after mini-batch	1451:	0.009
Loss after mini-batch	1461:	0.014
Loss after mini-batch	1471:	0.015
Loss after mini-batch	1481:	0.015
Loss after mini-batch	1491:	0.011
Loss after mini-batch	1501:	0.012
Loss after mini-batch	1511:	0.012
Loss after mini-batch	1521:	0.011
Loss after mini-batch	1531:	0.011
Loss after mini-batch	1541:	0.016
Loss after mini-batch	1551:	0.007
Loss after mini-batch	1561:	0.008
Loss after mini-batch	1571:	0.008
Loss after mini-batch	1581:	0.008
Loss after mini-batch	1591:	0.014
Loss after mini-batch	1601:	0.017
Loss after mini-batch	1611:	0.006
Loss after mini-batch	1621:	0.009
Loss after mini-batch	1631:	0.020
Loss after mini-batch	1641:	0.006
Loss after mini-batch	1651:	0.005
Loss after mini-batch	1661:	0.016
Loss after mini-batch	1671:	0.007
Loss after mini-batch	1681:	0.008
Loss after mini-batch	1691:	0.010
Loss after mini-batch	1701:	0.010
Loss after mini-batch	1711:	0.010
Loss after mini-batch	1721:	0.010
Loss after mini-batch	1731:	0.009
Loss after mini-batch	1741:	0.011
Loss after mini-batch	1751:	0.012
Loss after mini-batch	1761:	0.006

Loss after mini-batch	1771:	0.019
Loss after mini-batch	1781:	0.011
Loss after mini-batch	1791:	0.010
Loss after mini-batch	1801:	0.006
Loss after mini-batch	1811:	0.013
Loss after mini-batch	1821:	0.013
Loss after mini-batch	1831:	0.013
Loss after mini-batch	1841:	0.007
Loss after mini-batch	1851:	0.012
Loss after mini-batch	1861:	0.011
Loss after mini-batch	1871:	0.007
Loss after mini-batch	1881:	0.006
Loss after mini-batch	1891:	0.010
Loss after mini-batch	1901:	0.012
Loss after mini-batch	1911:	0.009
Loss after mini-batch	1921:	0.016
Loss after mini-batch	1931:	0.013
Loss after mini-batch	1941:	0.009
Loss after mini-batch	1951:	0.004
Loss after mini-batch	1961:	0.010
Loss after mini-batch	1971:	0.012
Loss after mini-batch	1981:	0.015
Loss after mini-batch	1991:	0.008
Loss after mini-batch	2001:	0.014
Loss after mini-batch	2011:	0.009
Loss after mini-batch	2021:	0.009
Loss after mini-batch	2031:	0.015
Loss after mini-batch	2041:	0.009
Loss after mini-batch	2051:	0.009
Loss after mini-batch	2061:	0.009
Loss after mini-batch	2071:	0.012
Loss after mini-batch	2081:	0.011
Loss after mini-batch	2091:	0.013
Loss after mini-batch	2101:	0.012
Loss after mini-batch	2111:	0.009
Loss after mini-batch	2121:	0.013
Loss after mini-batch	2131:	0.010
Loss after mini-batch	2141:	0.010
Loss after mini-batch	2151:	0.014
Loss after mini-batch	2161:	0.007
Loss after mini-batch	2171:	0.011
Loss after mini-batch	2181:	0.013
Loss after mini-batch	2191:	0.015
Loss after mini-batch	2201:	0.008
Loss after mini-batch	2211:	0.009
Loss after mini-batch	2221:	0.015
Loss after mini-batch	2231:	0.012
Loss after mini-batch	2241:	0.007

Loss after mini-batch	2251:	0.012
Loss after mini-batch	2261:	0.009
Loss after mini-batch	2271:	0.010
Loss after mini-batch	2281:	0.011
Loss after mini-batch	2291:	0.010
Loss after mini-batch	2301:	0.019
Loss after mini-batch	2311:	0.015
Loss after mini-batch	2321:	0.013
Loss after mini-batch	2331:	0.008
Loss after mini-batch	2341:	0.008
Loss after mini-batch	2351:	0.010
Loss after mini-batch	2361:	0.006
Loss after mini-batch	2371:	0.008
Loss after mini-batch	2381:	0.013
Loss after mini-batch	2391:	0.011
Loss after mini-batch	2401:	0.007
Loss after mini-batch	2411:	0.005
Loss after mini-batch	2421:	0.012
Loss after mini-batch	2431:	0.019
Loss after mini-batch	2441:	0.008
Loss after mini-batch	2451:	0.011
Loss after mini-batch	2461:	0.009
Loss after mini-batch	2471:	0.008
Loss after mini-batch	2481:	0.013
Loss after mini-batch	2491:	0.010
Loss after mini-batch	2501:	0.009
Loss after mini-batch	2511:	0.007
Loss after mini-batch	2521:	0.008
Loss after mini-batch	2531:	0.011
Loss after mini-batch	2541:	0.010
Loss after mini-batch	2551:	0.011
Loss after mini-batch	2561:	0.009
Loss after mini-batch	2571:	0.011
Loss after mini-batch	2581:	0.007
Loss after mini-batch	2591:	0.010
Loss after mini-batch	2601:	0.011
Loss after mini-batch	2611:	0.009
Loss after mini-batch	2621:	0.005
Loss after mini-batch	2631:	0.015
Loss after mini-batch	2641:	0.007
Loss after mini-batch	2651:	0.008
Loss after mini-batch	2661:	0.004
Loss after mini-batch	2671:	0.010
Loss after mini-batch	2681:	0.013
Loss after mini-batch	2691:	0.007
Loss after mini-batch	2701:	0.008
Loss after mini-batch	2711:	0.010
Loss after mini-batch	2721:	0.010

Loss after mini-batch	2731:	0.006
Loss after mini-batch	2741:	0.009
Loss after mini-batch	2751:	0.010
Loss after mini-batch	2761:	0.014
Loss after mini-batch	2771:	0.011
Loss after mini-batch	2781:	0.014
Loss after mini-batch	2791:	0.008
Loss after mini-batch	2801:	0.011
Loss after mini-batch	2811:	0.013
Starting epoch 4		
Loss after mini-batch	1:	0.003
Loss after mini-batch	11:	0.013
Loss after mini-batch	21:	0.010
Loss after mini-batch	31:	0.011
Loss after mini-batch	41:	0.007
Loss after mini-batch	51:	0.007
Loss after mini-batch	61:	0.015
Loss after mini-batch	71:	0.013
Loss after mini-batch	81:	0.009
Loss after mini-batch	91:	0.008
Loss after mini-batch	101:	0.010
Loss after mini-batch	111:	0.010
Loss after mini-batch	121:	0.013
Loss after mini-batch	131:	0.015
Loss after mini-batch	141:	0.011
Loss after mini-batch	151:	0.008
Loss after mini-batch	161:	0.013
Loss after mini-batch	171:	0.010
Loss after mini-batch	181:	0.007
Loss after mini-batch	191:	0.010
Loss after mini-batch	201:	0.014
Loss after mini-batch	211:	0.006
Loss after mini-batch	221:	0.013
Loss after mini-batch	231:	0.008
Loss after mini-batch	241:	0.007
Loss after mini-batch	251:	0.011
Loss after mini-batch	261:	0.012
Loss after mini-batch	271:	0.007
Loss after mini-batch	281:	0.011
Loss after mini-batch	291:	0.012
Loss after mini-batch	301:	0.015
Loss after mini-batch	311:	0.012
Loss after mini-batch	321:	0.009
Loss after mini-batch	331:	0.014
Loss after mini-batch	341:	0.019
Loss after mini-batch	351:	0.009
Loss after mini-batch	361:	0.013
Loss after mini-batch	371:	0.019

Loss after mini-batch	381: 0.008
Loss after mini-batch	391: 0.009
Loss after mini-batch	401: 0.008
Loss after mini-batch	411: 0.007
Loss after mini-batch	421: 0.014
Loss after mini-batch	431: 0.010
Loss after mini-batch	441: 0.017
Loss after mini-batch	451: 0.010
Loss after mini-batch	461: 0.015
Loss after mini-batch	471: 0.012
Loss after mini-batch	481: 0.011
Loss after mini-batch	491: 0.014
Loss after mini-batch	501: 0.013
Loss after mini-batch	511: 0.013
Loss after mini-batch	521: 0.009
Loss after mini-batch	531: 0.009
Loss after mini-batch	541: 0.007
Loss after mini-batch	551: 0.013
Loss after mini-batch	561: 0.011
Loss after mini-batch	571: 0.015
Loss after mini-batch	581: 0.014
Loss after mini-batch	591: 0.012
Loss after mini-batch	601: 0.009
Loss after mini-batch	611: 0.011
Loss after mini-batch	621: 0.012
Loss after mini-batch	631: 0.013
Loss after mini-batch	641: 0.012
Loss after mini-batch	651: 0.013
Loss after mini-batch	661: 0.009
Loss after mini-batch	671: 0.007
Loss after mini-batch	681: 0.012
Loss after mini-batch	691: 0.007
Loss after mini-batch	701: 0.011
Loss after mini-batch	711: 0.008
Loss after mini-batch	721: 0.013
Loss after mini-batch	731: 0.012
Loss after mini-batch	741: 0.014
Loss after mini-batch	751: 0.012
Loss after mini-batch	761: 0.014
Loss after mini-batch	771: 0.013
Loss after mini-batch	781: 0.016
Loss after mini-batch	791: 0.011
Loss after mini-batch	801: 0.011
Loss after mini-batch	811: 0.009
Loss after mini-batch	821: 0.011
Loss after mini-batch	831: 0.005
Loss after mini-batch	841: 0.009
Loss after mini-batch	851: 0.011

Loss after mini-batch	861:	0.018
Loss after mini-batch	871:	0.013
Loss after mini-batch	881:	0.011
Loss after mini-batch	891:	0.009
Loss after mini-batch	901:	0.007
Loss after mini-batch	911:	0.009
Loss after mini-batch	921:	0.018
Loss after mini-batch	931:	0.009
Loss after mini-batch	941:	0.011
Loss after mini-batch	951:	0.017
Loss after mini-batch	961:	0.012
Loss after mini-batch	971:	0.007
Loss after mini-batch	981:	0.006
Loss after mini-batch	991:	0.006
Loss after mini-batch	1001:	0.012
Loss after mini-batch	1011:	0.009
Loss after mini-batch	1021:	0.010
Loss after mini-batch	1031:	0.009
Loss after mini-batch	1041:	0.008
Loss after mini-batch	1051:	0.008
Loss after mini-batch	1061:	0.008
Loss after mini-batch	1071:	0.014
Loss after mini-batch	1081:	0.008
Loss after mini-batch	1091:	0.014
Loss after mini-batch	1101:	0.013
Loss after mini-batch	1111:	0.009
Loss after mini-batch	1121:	0.009
Loss after mini-batch	1131:	0.014
Loss after mini-batch	1141:	0.011
Loss after mini-batch	1151:	0.010
Loss after mini-batch	1161:	0.010
Loss after mini-batch	1171:	0.010
Loss after mini-batch	1181:	0.013
Loss after mini-batch	1191:	0.007
Loss after mini-batch	1201:	0.017
Loss after mini-batch	1211:	0.011
Loss after mini-batch	1221:	0.009
Loss after mini-batch	1231:	0.008
Loss after mini-batch	1241:	0.007
Loss after mini-batch	1251:	0.008
Loss after mini-batch	1261:	0.009
Loss after mini-batch	1271:	0.007
Loss after mini-batch	1281:	0.006
Loss after mini-batch	1291:	0.011
Loss after mini-batch	1301:	0.007
Loss after mini-batch	1311:	0.010
Loss after mini-batch	1321:	0.006
Loss after mini-batch	1331:	0.015

Loss after mini-batch	1341:	0.014
Loss after mini-batch	1351:	0.010
Loss after mini-batch	1361:	0.012
Loss after mini-batch	1371:	0.014
Loss after mini-batch	1381:	0.015
Loss after mini-batch	1391:	0.009
Loss after mini-batch	1401:	0.010
Loss after mini-batch	1411:	0.013
Loss after mini-batch	1421:	0.011
Loss after mini-batch	1431:	0.007
Loss after mini-batch	1441:	0.007
Loss after mini-batch	1451:	0.007
Loss after mini-batch	1461:	0.007
Loss after mini-batch	1471:	0.014
Loss after mini-batch	1481:	0.010
Loss after mini-batch	1491:	0.008
Loss after mini-batch	1501:	0.007
Loss after mini-batch	1511:	0.013
Loss after mini-batch	1521:	0.010
Loss after mini-batch	1531:	0.015
Loss after mini-batch	1541:	0.009
Loss after mini-batch	1551:	0.009
Loss after mini-batch	1561:	0.019
Loss after mini-batch	1571:	0.008
Loss after mini-batch	1581:	0.010
Loss after mini-batch	1591:	0.012
Loss after mini-batch	1601:	0.009
Loss after mini-batch	1611:	0.009
Loss after mini-batch	1621:	0.011
Loss after mini-batch	1631:	0.008
Loss after mini-batch	1641:	0.005
Loss after mini-batch	1651:	0.008
Loss after mini-batch	1661:	0.009
Loss after mini-batch	1671:	0.010
Loss after mini-batch	1681:	0.011
Loss after mini-batch	1691:	0.007
Loss after mini-batch	1701:	0.008
Loss after mini-batch	1711:	0.010
Loss after mini-batch	1721:	0.011
Loss after mini-batch	1731:	0.005
Loss after mini-batch	1741:	0.009
Loss after mini-batch	1751:	0.011
Loss after mini-batch	1761:	0.005
Loss after mini-batch	1771:	0.006
Loss after mini-batch	1781:	0.010
Loss after mini-batch	1791:	0.014
Loss after mini-batch	1801:	0.011
Loss after mini-batch	1811:	0.022

Loss after mini-batch	1821:	0.014
Loss after mini-batch	1831:	0.007
Loss after mini-batch	1841:	0.010
Loss after mini-batch	1851:	0.011
Loss after mini-batch	1861:	0.007
Loss after mini-batch	1871:	0.009
Loss after mini-batch	1881:	0.013
Loss after mini-batch	1891:	0.008
Loss after mini-batch	1901:	0.009
Loss after mini-batch	1911:	0.011
Loss after mini-batch	1921:	0.009
Loss after mini-batch	1931:	0.010
Loss after mini-batch	1941:	0.010
Loss after mini-batch	1951:	0.008
Loss after mini-batch	1961:	0.016
Loss after mini-batch	1971:	0.011
Loss after mini-batch	1981:	0.009
Loss after mini-batch	1991:	0.012
Loss after mini-batch	2001:	0.010
Loss after mini-batch	2011:	0.011
Loss after mini-batch	2021:	0.009
Loss after mini-batch	2031:	0.021
Loss after mini-batch	2041:	0.006
Loss after mini-batch	2051:	0.006
Loss after mini-batch	2061:	0.010
Loss after mini-batch	2071:	0.008
Loss after mini-batch	2081:	0.009
Loss after mini-batch	2091:	0.011
Loss after mini-batch	2101:	0.011
Loss after mini-batch	2111:	0.016
Loss after mini-batch	2121:	0.014
Loss after mini-batch	2131:	0.010
Loss after mini-batch	2141:	0.010
Loss after mini-batch	2151:	0.008
Loss after mini-batch	2161:	0.007
Loss after mini-batch	2171:	0.004
Loss after mini-batch	2181:	0.014
Loss after mini-batch	2191:	0.005
Loss after mini-batch	2201:	0.014
Loss after mini-batch	2211:	0.008
Loss after mini-batch	2221:	0.010
Loss after mini-batch	2231:	0.008
Loss after mini-batch	2241:	0.009
Loss after mini-batch	2251:	0.008
Loss after mini-batch	2261:	0.010
Loss after mini-batch	2271:	0.010
Loss after mini-batch	2281:	0.010
Loss after mini-batch	2291:	0.014



Loss after mini-batch	2301:	0.007
Loss after mini-batch	2311:	0.009
Loss after mini-batch	2321:	0.006
Loss after mini-batch	2331:	0.013
Loss after mini-batch	2341:	0.011
Loss after mini-batch	2351:	0.008
Loss after mini-batch	2361:	0.017
Loss after mini-batch	2371:	0.005
Loss after mini-batch	2381:	0.008
Loss after mini-batch	2391:	0.011
Loss after mini-batch	2401:	0.005
Loss after mini-batch	2411:	0.011
Loss after mini-batch	2421:	0.009
Loss after mini-batch	2431:	0.008
Loss after mini-batch	2441:	0.005
Loss after mini-batch	2451:	0.010
Loss after mini-batch	2461:	0.009
Loss after mini-batch	2471:	0.008
Loss after mini-batch	2481:	0.011
Loss after mini-batch	2491:	0.012
Loss after mini-batch	2501:	0.006
Loss after mini-batch	2511:	0.007
Loss after mini-batch	2521:	0.007
Loss after mini-batch	2531:	0.009
Loss after mini-batch	2541:	0.008
Loss after mini-batch	2551:	0.013
Loss after mini-batch	2561:	0.004
Loss after mini-batch	2571:	0.009
Loss after mini-batch	2581:	0.011
Loss after mini-batch	2591:	0.010
Loss after mini-batch	2601:	0.018
Loss after mini-batch	2611:	0.017
Loss after mini-batch	2621:	0.011
Loss after mini-batch	2631:	0.006
Loss after mini-batch	2641:	0.006
Loss after mini-batch	2651:	0.009
Loss after mini-batch	2661:	0.007
Loss after mini-batch	2671:	0.006
Loss after mini-batch	2681:	0.012
Loss after mini-batch	2691:	0.008
Loss after mini-batch	2701:	0.006
Loss after mini-batch	2711:	0.017
Loss after mini-batch	2721:	0.008
Loss after mini-batch	2731:	0.012
Loss after mini-batch	2741:	0.005
Loss after mini-batch	2751:	0.007
Loss after mini-batch	2761:	0.006
Loss after mini-batch	2771:	0.011

Loss after mini-batch 2781: 0.010  
Loss after mini-batch 2791: 0.006  
Loss after mini-batch 2801: 0.010  
Loss after mini-batch 2811: 0.008  
Starting epoch 5  
Loss after mini-batch 1: 0.003  
Loss after mini-batch 11: 0.008  
Loss after mini-batch 21: 0.007  
Loss after mini-batch 31: 0.009  
Loss after mini-batch 41: 0.009  
Loss after mini-batch 51: 0.007  
Loss after mini-batch 61: 0.008  
Loss after mini-batch 71: 0.007  
Loss after mini-batch 81: 0.012  
Loss after mini-batch 91: 0.008  
Loss after mini-batch 101: 0.009  
Loss after mini-batch 111: 0.014  
Loss after mini-batch 121: 0.006  
Loss after mini-batch 131: 0.005  
Loss after mini-batch 141: 0.012  
Loss after mini-batch 151: 0.006  
Loss after mini-batch 161: 0.009  
Loss after mini-batch 171: 0.009  
Loss after mini-batch 181: 0.013  
Loss after mini-batch 191: 0.011  
Loss after mini-batch 201: 0.012  
Loss after mini-batch 211: 0.010  
Loss after mini-batch 221: 0.008  
Loss after mini-batch 231: 0.007  
Loss after mini-batch 241: 0.008  
Loss after mini-batch 251: 0.007  
Loss after mini-batch 261: 0.009  
Loss after mini-batch 271: 0.010  
Loss after mini-batch 281: 0.014  
Loss after mini-batch 291: 0.009  
Loss after mini-batch 301: 0.009  
Loss after mini-batch 311: 0.011  
Loss after mini-batch 321: 0.012  
Loss after mini-batch 331: 0.016  
Loss after mini-batch 341: 0.007  
Loss after mini-batch 351: 0.012  
Loss after mini-batch 361: 0.013  
Loss after mini-batch 371: 0.016  
Loss after mini-batch 381: 0.011  
Loss after mini-batch 391: 0.012  
Loss after mini-batch 401: 0.009  
Loss after mini-batch 411: 0.011  
Loss after mini-batch 421: 0.014

Loss after mini-batch	431: 0.007
Loss after mini-batch	441: 0.006
Loss after mini-batch	451: 0.008
Loss after mini-batch	461: 0.013
Loss after mini-batch	471: 0.011
Loss after mini-batch	481: 0.011
Loss after mini-batch	491: 0.007
Loss after mini-batch	501: 0.014
Loss after mini-batch	511: 0.014
Loss after mini-batch	521: 0.007
Loss after mini-batch	531: 0.009
Loss after mini-batch	541: 0.007
Loss after mini-batch	551: 0.007
Loss after mini-batch	561: 0.007
Loss after mini-batch	571: 0.007
Loss after mini-batch	581: 0.015
Loss after mini-batch	591: 0.007
Loss after mini-batch	601: 0.015
Loss after mini-batch	611: 0.005
Loss after mini-batch	621: 0.013
Loss after mini-batch	631: 0.005
Loss after mini-batch	641: 0.012
Loss after mini-batch	651: 0.006
Loss after mini-batch	661: 0.009
Loss after mini-batch	671: 0.013
Loss after mini-batch	681: 0.009
Loss after mini-batch	691: 0.007
Loss after mini-batch	701: 0.007
Loss after mini-batch	711: 0.008
Loss after mini-batch	721: 0.012
Loss after mini-batch	731: 0.008
Loss after mini-batch	741: 0.007
Loss after mini-batch	751: 0.014
Loss after mini-batch	761: 0.011
Loss after mini-batch	771: 0.008
Loss after mini-batch	781: 0.008
Loss after mini-batch	791: 0.013
Loss after mini-batch	801: 0.013
Loss after mini-batch	811: 0.007
Loss after mini-batch	821: 0.006
Loss after mini-batch	831: 0.009
Loss after mini-batch	841: 0.009
Loss after mini-batch	851: 0.011
Loss after mini-batch	861: 0.009
Loss after mini-batch	871: 0.014
Loss after mini-batch	881: 0.010
Loss after mini-batch	891: 0.006
Loss after mini-batch	901: 0.009

Loss after mini-batch	911:	0.010
Loss after mini-batch	921:	0.007
Loss after mini-batch	931:	0.014
Loss after mini-batch	941:	0.006
Loss after mini-batch	951:	0.009
Loss after mini-batch	961:	0.011
Loss after mini-batch	971:	0.010
Loss after mini-batch	981:	0.011
Loss after mini-batch	991:	0.007
Loss after mini-batch	1001:	0.011
Loss after mini-batch	1011:	0.010
Loss after mini-batch	1021:	0.009
Loss after mini-batch	1031:	0.015
Loss after mini-batch	1041:	0.016
Loss after mini-batch	1051:	0.008
Loss after mini-batch	1061:	0.008
Loss after mini-batch	1071:	0.008
Loss after mini-batch	1081:	0.006
Loss after mini-batch	1091:	0.019
Loss after mini-batch	1101:	0.010
Loss after mini-batch	1111:	0.010
Loss after mini-batch	1121:	0.007
Loss after mini-batch	1131:	0.007
Loss after mini-batch	1141:	0.007
Loss after mini-batch	1151:	0.010
Loss after mini-batch	1161:	0.014
Loss after mini-batch	1171:	0.012
Loss after mini-batch	1181:	0.007
Loss after mini-batch	1191:	0.009
Loss after mini-batch	1201:	0.010
Loss after mini-batch	1211:	0.007
Loss after mini-batch	1221:	0.006
Loss after mini-batch	1231:	0.009
Loss after mini-batch	1241:	0.009
Loss after mini-batch	1251:	0.019
Loss after mini-batch	1261:	0.008
Loss after mini-batch	1271:	0.009
Loss after mini-batch	1281:	0.012
Loss after mini-batch	1291:	0.011
Loss after mini-batch	1301:	0.012
Loss after mini-batch	1311:	0.008
Loss after mini-batch	1321:	0.011
Loss after mini-batch	1331:	0.009
Loss after mini-batch	1341:	0.006
Loss after mini-batch	1351:	0.009
Loss after mini-batch	1361:	0.011
Loss after mini-batch	1371:	0.008
Loss after mini-batch	1381:	0.009

Loss after mini-batch	1391:	0.006
Loss after mini-batch	1401:	0.008
Loss after mini-batch	1411:	0.013
Loss after mini-batch	1421:	0.010
Loss after mini-batch	1431:	0.011
Loss after mini-batch	1441:	0.007
Loss after mini-batch	1451:	0.009
Loss after mini-batch	1461:	0.006
Loss after mini-batch	1471:	0.015
Loss after mini-batch	1481:	0.009
Loss after mini-batch	1491:	0.013
Loss after mini-batch	1501:	0.003
Loss after mini-batch	1511:	0.011
Loss after mini-batch	1521:	0.009
Loss after mini-batch	1531:	0.011
Loss after mini-batch	1541:	0.008
Loss after mini-batch	1551:	0.014
Loss after mini-batch	1561:	0.005
Loss after mini-batch	1571:	0.006
Loss after mini-batch	1581:	0.009
Loss after mini-batch	1591:	0.010
Loss after mini-batch	1601:	0.010
Loss after mini-batch	1611:	0.013
Loss after mini-batch	1621:	0.005
Loss after mini-batch	1631:	0.007
Loss after mini-batch	1641:	0.012
Loss after mini-batch	1651:	0.006
Loss after mini-batch	1661:	0.009
Loss after mini-batch	1671:	0.007
Loss after mini-batch	1681:	0.008
Loss after mini-batch	1691:	0.007
Loss after mini-batch	1701:	0.010
Loss after mini-batch	1711:	0.007
Loss after mini-batch	1721:	0.010
Loss after mini-batch	1731:	0.007
Loss after mini-batch	1741:	0.007
Loss after mini-batch	1751:	0.007
Loss after mini-batch	1761:	0.012
Loss after mini-batch	1771:	0.008
Loss after mini-batch	1781:	0.006
Loss after mini-batch	1791:	0.006
Loss after mini-batch	1801:	0.006
Loss after mini-batch	1811:	0.006
Loss after mini-batch	1821:	0.012
Loss after mini-batch	1831:	0.008
Loss after mini-batch	1841:	0.010
Loss after mini-batch	1851:	0.004
Loss after mini-batch	1861:	0.008

Loss after mini-batch	1871:	0.011
Loss after mini-batch	1881:	0.012
Loss after mini-batch	1891:	0.008
Loss after mini-batch	1901:	0.008
Loss after mini-batch	1911:	0.007
Loss after mini-batch	1921:	0.010
Loss after mini-batch	1931:	0.007
Loss after mini-batch	1941:	0.009
Loss after mini-batch	1951:	0.010
Loss after mini-batch	1961:	0.008
Loss after mini-batch	1971:	0.010
Loss after mini-batch	1981:	0.007
Loss after mini-batch	1991:	0.013
Loss after mini-batch	2001:	0.010
Loss after mini-batch	2011:	0.007
Loss after mini-batch	2021:	0.007
Loss after mini-batch	2031:	0.011
Loss after mini-batch	2041:	0.007
Loss after mini-batch	2051:	0.007
Loss after mini-batch	2061:	0.008
Loss after mini-batch	2071:	0.009
Loss after mini-batch	2081:	0.009
Loss after mini-batch	2091:	0.007
Loss after mini-batch	2101:	0.006
Loss after mini-batch	2111:	0.006
Loss after mini-batch	2121:	0.008
Loss after mini-batch	2131:	0.008
Loss after mini-batch	2141:	0.008
Loss after mini-batch	2151:	0.010
Loss after mini-batch	2161:	0.008
Loss after mini-batch	2171:	0.009
Loss after mini-batch	2181:	0.007
Loss after mini-batch	2191:	0.010
Loss after mini-batch	2201:	0.006
Loss after mini-batch	2211:	0.010
Loss after mini-batch	2221:	0.006
Loss after mini-batch	2231:	0.007
Loss after mini-batch	2241:	0.008
Loss after mini-batch	2251:	0.007
Loss after mini-batch	2261:	0.008
Loss after mini-batch	2271:	0.011
Loss after mini-batch	2281:	0.008
Loss after mini-batch	2291:	0.005
Loss after mini-batch	2301:	0.008
Loss after mini-batch	2311:	0.008
Loss after mini-batch	2321:	0.012
Loss after mini-batch	2331:	0.004
Loss after mini-batch	2341:	0.007

Loss after mini-batch 2351: 0.008  
Loss after mini-batch 2361: 0.012  
Loss after mini-batch 2371: 0.008  
Loss after mini-batch 2381: 0.010  
Loss after mini-batch 2391: 0.008  
Loss after mini-batch 2401: 0.006  
Loss after mini-batch 2411: 0.011  
Loss after mini-batch 2421: 0.011  
Loss after mini-batch 2431: 0.008  
Loss after mini-batch 2441: 0.010  
Loss after mini-batch 2451: 0.006  
Loss after mini-batch 2461: 0.007  
Loss after mini-batch 2471: 0.011  
Loss after mini-batch 2481: 0.012  
Loss after mini-batch 2491: 0.007  
Loss after mini-batch 2501: 0.011  
Loss after mini-batch 2511: 0.006  
Loss after mini-batch 2521: 0.007  
Loss after mini-batch 2531: 0.012  
Loss after mini-batch 2541: 0.010  
Loss after mini-batch 2551: 0.006  
Loss after mini-batch 2561: 0.010  
Loss after mini-batch 2571: 0.008  
Loss after mini-batch 2581: 0.008  
Loss after mini-batch 2591: 0.004  
Loss after mini-batch 2601: 0.005  
Loss after mini-batch 2611: 0.008  
Loss after mini-batch 2621: 0.006  
Loss after mini-batch 2631: 0.007  
Loss after mini-batch 2641: 0.007  
Loss after mini-batch 2651: 0.006  
Loss after mini-batch 2661: 0.011  
Loss after mini-batch 2671: 0.008  
Loss after mini-batch 2681: 0.006  
Loss after mini-batch 2691: 0.007  
Loss after mini-batch 2701: 0.005  
Loss after mini-batch 2711: 0.007  
Loss after mini-batch 2721: 0.008  
Loss after mini-batch 2731: 0.007  
Loss after mini-batch 2741: 0.015  
Loss after mini-batch 2751: 0.005  
Loss after mini-batch 2761: 0.007  
Loss after mini-batch 2771: 0.008  
Loss after mini-batch 2781: 0.008  
Loss after mini-batch 2791: 0.007  
Loss after mini-batch 2801: 0.008  
Loss after mini-batch 2811: 0.010  
Starting epoch 6

Loss after mini-batch	1:	0.000
Loss after mini-batch	11:	0.007
Loss after mini-batch	21:	0.007
Loss after mini-batch	31:	0.006
Loss after mini-batch	41:	0.008
Loss after mini-batch	51:	0.007
Loss after mini-batch	61:	0.006
Loss after mini-batch	71:	0.005
Loss after mini-batch	81:	0.011
Loss after mini-batch	91:	0.005
Loss after mini-batch	101:	0.007
Loss after mini-batch	111:	0.005
Loss after mini-batch	121:	0.008
Loss after mini-batch	131:	0.006
Loss after mini-batch	141:	0.004
Loss after mini-batch	151:	0.008
Loss after mini-batch	161:	0.015
Loss after mini-batch	171:	0.012
Loss after mini-batch	181:	0.012
Loss after mini-batch	191:	0.009
Loss after mini-batch	201:	0.005
Loss after mini-batch	211:	0.008
Loss after mini-batch	221:	0.011
Loss after mini-batch	231:	0.014
Loss after mini-batch	241:	0.008
Loss after mini-batch	251:	0.008
Loss after mini-batch	261:	0.007
Loss after mini-batch	271:	0.008
Loss after mini-batch	281:	0.007
Loss after mini-batch	291:	0.007
Loss after mini-batch	301:	0.008
Loss after mini-batch	311:	0.006
Loss after mini-batch	321:	0.007
Loss after mini-batch	331:	0.005
Loss after mini-batch	341:	0.007
Loss after mini-batch	351:	0.004
Loss after mini-batch	361:	0.008
Loss after mini-batch	371:	0.013
Loss after mini-batch	381:	0.009
Loss after mini-batch	391:	0.005
Loss after mini-batch	401:	0.005
Loss after mini-batch	411:	0.009
Loss after mini-batch	421:	0.008
Loss after mini-batch	431:	0.007
Loss after mini-batch	441:	0.009
Loss after mini-batch	451:	0.006
Loss after mini-batch	461:	0.005
Loss after mini-batch	471:	0.009



Loss after mini-batch	481: 0.007
Loss after mini-batch	491: 0.006
Loss after mini-batch	501: 0.007
Loss after mini-batch	511: 0.008
Loss after mini-batch	521: 0.008
Loss after mini-batch	531: 0.006
Loss after mini-batch	541: 0.008
Loss after mini-batch	551: 0.009
Loss after mini-batch	561: 0.005
Loss after mini-batch	571: 0.008
Loss after mini-batch	581: 0.007
Loss after mini-batch	591: 0.006
Loss after mini-batch	601: 0.004
Loss after mini-batch	611: 0.009
Loss after mini-batch	621: 0.007
Loss after mini-batch	631: 0.008
Loss after mini-batch	641: 0.011
Loss after mini-batch	651: 0.009
Loss after mini-batch	661: 0.008
Loss after mini-batch	671: 0.010
Loss after mini-batch	681: 0.008
Loss after mini-batch	691: 0.006
Loss after mini-batch	701: 0.006
Loss after mini-batch	711: 0.008
Loss after mini-batch	721: 0.006
Loss after mini-batch	731: 0.005
Loss after mini-batch	741: 0.007
Loss after mini-batch	751: 0.008
Loss after mini-batch	761: 0.011
Loss after mini-batch	771: 0.007
Loss after mini-batch	781: 0.007
Loss after mini-batch	791: 0.006
Loss after mini-batch	801: 0.008
Loss after mini-batch	811: 0.005
Loss after mini-batch	821: 0.006
Loss after mini-batch	831: 0.006
Loss after mini-batch	841: 0.005
Loss after mini-batch	851: 0.006
Loss after mini-batch	861: 0.006
Loss after mini-batch	871: 0.006
Loss after mini-batch	881: 0.018
Loss after mini-batch	891: 0.005
Loss after mini-batch	901: 0.007
Loss after mini-batch	911: 0.008
Loss after mini-batch	921: 0.011
Loss after mini-batch	931: 0.008
Loss after mini-batch	941: 0.011
Loss after mini-batch	951: 0.007

Loss after mini-batch	961:	0.011
Loss after mini-batch	971:	0.007
Loss after mini-batch	981:	0.009
Loss after mini-batch	991:	0.009
Loss after mini-batch	1001:	0.005
Loss after mini-batch	1011:	0.012
Loss after mini-batch	1021:	0.007
Loss after mini-batch	1031:	0.012
Loss after mini-batch	1041:	0.006
Loss after mini-batch	1051:	0.007
Loss after mini-batch	1061:	0.004
Loss after mini-batch	1071:	0.008
Loss after mini-batch	1081:	0.006
Loss after mini-batch	1091:	0.011
Loss after mini-batch	1101:	0.007
Loss after mini-batch	1111:	0.010
Loss after mini-batch	1121:	0.008
Loss after mini-batch	1131:	0.006
Loss after mini-batch	1141:	0.006
Loss after mini-batch	1151:	0.008
Loss after mini-batch	1161:	0.007
Loss after mini-batch	1171:	0.009
Loss after mini-batch	1181:	0.010
Loss after mini-batch	1191:	0.007
Loss after mini-batch	1201:	0.008
Loss after mini-batch	1211:	0.009
Loss after mini-batch	1221:	0.007
Loss after mini-batch	1231:	0.006
Loss after mini-batch	1241:	0.009
Loss after mini-batch	1251:	0.011
Loss after mini-batch	1261:	0.007
Loss after mini-batch	1271:	0.004
Loss after mini-batch	1281:	0.007
Loss after mini-batch	1291:	0.007
Loss after mini-batch	1301:	0.005
Loss after mini-batch	1311:	0.006
Loss after mini-batch	1321:	0.012
Loss after mini-batch	1331:	0.009
Loss after mini-batch	1341:	0.006
Loss after mini-batch	1351:	0.006
Loss after mini-batch	1361:	0.009
Loss after mini-batch	1371:	0.006
Loss after mini-batch	1381:	0.007
Loss after mini-batch	1391:	0.005
Loss after mini-batch	1401:	0.004
Loss after mini-batch	1411:	0.006
Loss after mini-batch	1421:	0.013
Loss after mini-batch	1431:	0.008

Loss after mini-batch	1441:	0.004
Loss after mini-batch	1451:	0.006
Loss after mini-batch	1461:	0.006
Loss after mini-batch	1471:	0.005
Loss after mini-batch	1481:	0.007
Loss after mini-batch	1491:	0.007
Loss after mini-batch	1501:	0.010
Loss after mini-batch	1511:	0.006
Loss after mini-batch	1521:	0.008
Loss after mini-batch	1531:	0.010
Loss after mini-batch	1541:	0.008
Loss after mini-batch	1551:	0.008
Loss after mini-batch	1561:	0.006
Loss after mini-batch	1571:	0.008
Loss after mini-batch	1581:	0.006
Loss after mini-batch	1591:	0.008
Loss after mini-batch	1601:	0.010
Loss after mini-batch	1611:	0.006
Loss after mini-batch	1621:	0.006
Loss after mini-batch	1631:	0.007
Loss after mini-batch	1641:	0.011
Loss after mini-batch	1651:	0.010
Loss after mini-batch	1661:	0.006
Loss after mini-batch	1671:	0.008
Loss after mini-batch	1681:	0.006
Loss after mini-batch	1691:	0.007
Loss after mini-batch	1701:	0.009
Loss after mini-batch	1711:	0.011
Loss after mini-batch	1721:	0.007
Loss after mini-batch	1731:	0.007
Loss after mini-batch	1741:	0.013
Loss after mini-batch	1751:	0.005
Loss after mini-batch	1761:	0.007
Loss after mini-batch	1771:	0.009
Loss after mini-batch	1781:	0.010
Loss after mini-batch	1791:	0.008
Loss after mini-batch	1801:	0.006
Loss after mini-batch	1811:	0.012
Loss after mini-batch	1821:	0.014
Loss after mini-batch	1831:	0.004
Loss after mini-batch	1841:	0.006
Loss after mini-batch	1851:	0.009
Loss after mini-batch	1861:	0.006
Loss after mini-batch	1871:	0.004
Loss after mini-batch	1881:	0.008
Loss after mini-batch	1891:	0.007
Loss after mini-batch	1901:	0.011
Loss after mini-batch	1911:	0.005

Loss after mini-batch	1921:	0.009
Loss after mini-batch	1931:	0.006
Loss after mini-batch	1941:	0.004
Loss after mini-batch	1951:	0.006
Loss after mini-batch	1961:	0.006
Loss after mini-batch	1971:	0.006
Loss after mini-batch	1981:	0.005
Loss after mini-batch	1991:	0.010
Loss after mini-batch	2001:	0.006
Loss after mini-batch	2011:	0.005
Loss after mini-batch	2021:	0.011
Loss after mini-batch	2031:	0.005
Loss after mini-batch	2041:	0.008
Loss after mini-batch	2051:	0.004
Loss after mini-batch	2061:	0.005
Loss after mini-batch	2071:	0.010
Loss after mini-batch	2081:	0.007
Loss after mini-batch	2091:	0.008
Loss after mini-batch	2101:	0.010
Loss after mini-batch	2111:	0.007
Loss after mini-batch	2121:	0.006
Loss after mini-batch	2131:	0.007
Loss after mini-batch	2141:	0.007
Loss after mini-batch	2151:	0.007
Loss after mini-batch	2161:	0.009
Loss after mini-batch	2171:	0.005
Loss after mini-batch	2181:	0.005
Loss after mini-batch	2191:	0.005
Loss after mini-batch	2201:	0.008
Loss after mini-batch	2211:	0.006
Loss after mini-batch	2221:	0.006
Loss after mini-batch	2231:	0.008
Loss after mini-batch	2241:	0.005
Loss after mini-batch	2251:	0.006
Loss after mini-batch	2261:	0.006
Loss after mini-batch	2271:	0.005
Loss after mini-batch	2281:	0.008
Loss after mini-batch	2291:	0.009
Loss after mini-batch	2301:	0.004
Loss after mini-batch	2311:	0.011
Loss after mini-batch	2321:	0.009
Loss after mini-batch	2331:	0.006
Loss after mini-batch	2341:	0.005
Loss after mini-batch	2351:	0.008
Loss after mini-batch	2361:	0.006
Loss after mini-batch	2371:	0.010
Loss after mini-batch	2381:	0.008
Loss after mini-batch	2391:	0.006

```

Loss after mini-batch 2401: 0.006
Loss after mini-batch 2411: 0.011
Loss after mini-batch 2421: 0.007
Loss after mini-batch 2431: 0.006
Loss after mini-batch 2441: 0.005
Loss after mini-batch 2451: 0.006
Loss after mini-batch 2461: 0.006
Loss after mini-batch 2471: 0.010
Loss after mini-batch 2481: 0.005
Loss after mini-batch 2491: 0.007
Loss after mini-batch 2501: 0.006
Loss after mini-batch 2511: 0.006
Loss after mini-batch 2521: 0.006
Loss after mini-batch 2531: 0.007
Loss after mini-batch 2541: 0.008
Loss after mini-batch 2551: 0.005
Loss after mini-batch 2561: 0.005
Loss after mini-batch 2571: 0.008
Loss after mini-batch 2581: 0.008
Loss after mini-batch 2591: 0.004
Loss after mini-batch 2601: 0.006
Loss after mini-batch 2611: 0.007
Loss after mini-batch 2621: 0.005
Loss after mini-batch 2631: 0.004
Loss after mini-batch 2641: 0.007
Loss after mini-batch 2651: 0.011
Loss after mini-batch 2661: 0.008
Loss after mini-batch 2671: 0.012
Loss after mini-batch 2681: 0.008
Loss after mini-batch 2691: 0.006
Loss after mini-batch 2701: 0.006
Loss after mini-batch 2711: 0.011
Loss after mini-batch 2721: 0.006
Loss after mini-batch 2731: 0.009
Loss after mini-batch 2741: 0.011
Loss after mini-batch 2751: 0.005
Loss after mini-batch 2761: 0.006
Loss after mini-batch 2771: 0.007
Loss after mini-batch 2781: 0.007
Loss after mini-batch 2791: 0.003
Loss after mini-batch 2801: 0.005
Loss after mini-batch 2811: 0.008
Starting epoch 7
Loss after mini-batch      1: 0.001
Loss after mini-batch     11: 0.006
Loss after mini-batch     21: 0.013
Loss after mini-batch     31: 0.008
Loss after mini-batch     41: 0.010

```

Loss after mini-batch	51: 0.010
Loss after mini-batch	61: 0.005
Loss after mini-batch	71: 0.005
Loss after mini-batch	81: 0.005
Loss after mini-batch	91: 0.010
Loss after mini-batch	101: 0.010
Loss after mini-batch	111: 0.007
Loss after mini-batch	121: 0.006
Loss after mini-batch	131: 0.008
Loss after mini-batch	141: 0.012
Loss after mini-batch	151: 0.004
Loss after mini-batch	161: 0.005
Loss after mini-batch	171: 0.008
Loss after mini-batch	181: 0.007
Loss after mini-batch	191: 0.005
Loss after mini-batch	201: 0.012
Loss after mini-batch	211: 0.006
Loss after mini-batch	221: 0.005
Loss after mini-batch	231: 0.009
Loss after mini-batch	241: 0.005
Loss after mini-batch	251: 0.006
Loss after mini-batch	261: 0.007
Loss after mini-batch	271: 0.008
Loss after mini-batch	281: 0.004
Loss after mini-batch	291: 0.009
Loss after mini-batch	301: 0.006
Loss after mini-batch	311: 0.008
Loss after mini-batch	321: 0.007
Loss after mini-batch	331: 0.008
Loss after mini-batch	341: 0.007
Loss after mini-batch	351: 0.006
Loss after mini-batch	361: 0.007
Loss after mini-batch	371: 0.008
Loss after mini-batch	381: 0.008
Loss after mini-batch	391: 0.004
Loss after mini-batch	401: 0.007
Loss after mini-batch	411: 0.008
Loss after mini-batch	421: 0.007
Loss after mini-batch	431: 0.004
Loss after mini-batch	441: 0.010
Loss after mini-batch	451: 0.007
Loss after mini-batch	461: 0.006
Loss after mini-batch	471: 0.007
Loss after mini-batch	481: 0.006
Loss after mini-batch	491: 0.009
Loss after mini-batch	501: 0.008
Loss after mini-batch	511: 0.005
Loss after mini-batch	521: 0.006

Loss after mini-batch	531: 0.005
Loss after mini-batch	541: 0.012
Loss after mini-batch	551: 0.005
Loss after mini-batch	561: 0.006
Loss after mini-batch	571: 0.006
Loss after mini-batch	581: 0.005
Loss after mini-batch	591: 0.006
Loss after mini-batch	601: 0.006
Loss after mini-batch	611: 0.007
Loss after mini-batch	621: 0.008
Loss after mini-batch	631: 0.008
Loss after mini-batch	641: 0.007
Loss after mini-batch	651: 0.005
Loss after mini-batch	661: 0.011
Loss after mini-batch	671: 0.007
Loss after mini-batch	681: 0.004
Loss after mini-batch	691: 0.005
Loss after mini-batch	701: 0.009
Loss after mini-batch	711: 0.007
Loss after mini-batch	721: 0.004
Loss after mini-batch	731: 0.007
Loss after mini-batch	741: 0.005
Loss after mini-batch	751: 0.009
Loss after mini-batch	761: 0.004
Loss after mini-batch	771: 0.011
Loss after mini-batch	781: 0.007
Loss after mini-batch	791: 0.007
Loss after mini-batch	801: 0.007
Loss after mini-batch	811: 0.004
Loss after mini-batch	821: 0.005
Loss after mini-batch	831: 0.006
Loss after mini-batch	841: 0.005
Loss after mini-batch	851: 0.007
Loss after mini-batch	861: 0.007
Loss after mini-batch	871: 0.009
Loss after mini-batch	881: 0.014
Loss after mini-batch	891: 0.009
Loss after mini-batch	901: 0.008
Loss after mini-batch	911: 0.009
Loss after mini-batch	921: 0.007
Loss after mini-batch	931: 0.007
Loss after mini-batch	941: 0.008
Loss after mini-batch	951: 0.004
Loss after mini-batch	961: 0.004
Loss after mini-batch	971: 0.010
Loss after mini-batch	981: 0.007
Loss after mini-batch	991: 0.005
Loss after mini-batch	1001: 0.008

Loss after mini-batch	1011:	0.006
Loss after mini-batch	1021:	0.010
Loss after mini-batch	1031:	0.006
Loss after mini-batch	1041:	0.006
Loss after mini-batch	1051:	0.006
Loss after mini-batch	1061:	0.006
Loss after mini-batch	1071:	0.006
Loss after mini-batch	1081:	0.006
Loss after mini-batch	1091:	0.005
Loss after mini-batch	1101:	0.005
Loss after mini-batch	1111:	0.008
Loss after mini-batch	1121:	0.006
Loss after mini-batch	1131:	0.005
Loss after mini-batch	1141:	0.010
Loss after mini-batch	1151:	0.006
Loss after mini-batch	1161:	0.008
Loss after mini-batch	1171:	0.005
Loss after mini-batch	1181:	0.004
Loss after mini-batch	1191:	0.006
Loss after mini-batch	1201:	0.011
Loss after mini-batch	1211:	0.010
Loss after mini-batch	1221:	0.012
Loss after mini-batch	1231:	0.006
Loss after mini-batch	1241:	0.007
Loss after mini-batch	1251:	0.009
Loss after mini-batch	1261:	0.005
Loss after mini-batch	1271:	0.005
Loss after mini-batch	1281:	0.008
Loss after mini-batch	1291:	0.009
Loss after mini-batch	1301:	0.007
Loss after mini-batch	1311:	0.006
Loss after mini-batch	1321:	0.008
Loss after mini-batch	1331:	0.005
Loss after mini-batch	1341:	0.005
Loss after mini-batch	1351:	0.004
Loss after mini-batch	1361:	0.007
Loss after mini-batch	1371:	0.008
Loss after mini-batch	1381:	0.002
Loss after mini-batch	1391:	0.005
Loss after mini-batch	1401:	0.009
Loss after mini-batch	1411:	0.005
Loss after mini-batch	1421:	0.005
Loss after mini-batch	1431:	0.006
Loss after mini-batch	1441:	0.007
Loss after mini-batch	1451:	0.010
Loss after mini-batch	1461:	0.006
Loss after mini-batch	1471:	0.005
Loss after mini-batch	1481:	0.010



Loss after mini-batch	1491:	0.008
Loss after mini-batch	1501:	0.009
Loss after mini-batch	1511:	0.005
Loss after mini-batch	1521:	0.011
Loss after mini-batch	1531:	0.005
Loss after mini-batch	1541:	0.006
Loss after mini-batch	1551:	0.005
Loss after mini-batch	1561:	0.006
Loss after mini-batch	1571:	0.006
Loss after mini-batch	1581:	0.013
Loss after mini-batch	1591:	0.009
Loss after mini-batch	1601:	0.005
Loss after mini-batch	1611:	0.007
Loss after mini-batch	1621:	0.007
Loss after mini-batch	1631:	0.006
Loss after mini-batch	1641:	0.005
Loss after mini-batch	1651:	0.007
Loss after mini-batch	1661:	0.005
Loss after mini-batch	1671:	0.009
Loss after mini-batch	1681:	0.006
Loss after mini-batch	1691:	0.006
Loss after mini-batch	1701:	0.008
Loss after mini-batch	1711:	0.004
Loss after mini-batch	1721:	0.004
Loss after mini-batch	1731:	0.008
Loss after mini-batch	1741:	0.004
Loss after mini-batch	1751:	0.005
Loss after mini-batch	1761:	0.005
Loss after mini-batch	1771:	0.005
Loss after mini-batch	1781:	0.006
Loss after mini-batch	1791:	0.006
Loss after mini-batch	1801:	0.005
Loss after mini-batch	1811:	0.005
Loss after mini-batch	1821:	0.006
Loss after mini-batch	1831:	0.008
Loss after mini-batch	1841:	0.012
Loss after mini-batch	1851:	0.007
Loss after mini-batch	1861:	0.009
Loss after mini-batch	1871:	0.005
Loss after mini-batch	1881:	0.004
Loss after mini-batch	1891:	0.006
Loss after mini-batch	1901:	0.006
Loss after mini-batch	1911:	0.007
Loss after mini-batch	1921:	0.011
Loss after mini-batch	1931:	0.007
Loss after mini-batch	1941:	0.009
Loss after mini-batch	1951:	0.011
Loss after mini-batch	1961:	0.004

Loss after mini-batch	1971:	0.009
Loss after mini-batch	1981:	0.007
Loss after mini-batch	1991:	0.009
Loss after mini-batch	2001:	0.016
Loss after mini-batch	2011:	0.008
Loss after mini-batch	2021:	0.008
Loss after mini-batch	2031:	0.006
Loss after mini-batch	2041:	0.004
Loss after mini-batch	2051:	0.004
Loss after mini-batch	2061:	0.004
Loss after mini-batch	2071:	0.004
Loss after mini-batch	2081:	0.009
Loss after mini-batch	2091:	0.008
Loss after mini-batch	2101:	0.006
Loss after mini-batch	2111:	0.010
Loss after mini-batch	2121:	0.004
Loss after mini-batch	2131:	0.007
Loss after mini-batch	2141:	0.009
Loss after mini-batch	2151:	0.009
Loss after mini-batch	2161:	0.006
Loss after mini-batch	2171:	0.006
Loss after mini-batch	2181:	0.005
Loss after mini-batch	2191:	0.009
Loss after mini-batch	2201:	0.007
Loss after mini-batch	2211:	0.003
Loss after mini-batch	2221:	0.006
Loss after mini-batch	2231:	0.005
Loss after mini-batch	2241:	0.007
Loss after mini-batch	2251:	0.007
Loss after mini-batch	2261:	0.009
Loss after mini-batch	2271:	0.006
Loss after mini-batch	2281:	0.007
Loss after mini-batch	2291:	0.007
Loss after mini-batch	2301:	0.005
Loss after mini-batch	2311:	0.010
Loss after mini-batch	2321:	0.006
Loss after mini-batch	2331:	0.014
Loss after mini-batch	2341:	0.006
Loss after mini-batch	2351:	0.004
Loss after mini-batch	2361:	0.014
Loss after mini-batch	2371:	0.007
Loss after mini-batch	2381:	0.007
Loss after mini-batch	2391:	0.005
Loss after mini-batch	2401:	0.003
Loss after mini-batch	2411:	0.007
Loss after mini-batch	2421:	0.005
Loss after mini-batch	2431:	0.007
Loss after mini-batch	2441:	0.010

Loss after mini-batch	2451:	0.008
Loss after mini-batch	2461:	0.008
Loss after mini-batch	2471:	0.006
Loss after mini-batch	2481:	0.007
Loss after mini-batch	2491:	0.007
Loss after mini-batch	2501:	0.010
Loss after mini-batch	2511:	0.012
Loss after mini-batch	2521:	0.005
Loss after mini-batch	2531:	0.006
Loss after mini-batch	2541:	0.007
Loss after mini-batch	2551:	0.005
Loss after mini-batch	2561:	0.011
Loss after mini-batch	2571:	0.007
Loss after mini-batch	2581:	0.006
Loss after mini-batch	2591:	0.013
Loss after mini-batch	2601:	0.007
Loss after mini-batch	2611:	0.008
Loss after mini-batch	2621:	0.007
Loss after mini-batch	2631:	0.006
Loss after mini-batch	2641:	0.006
Loss after mini-batch	2651:	0.005
Loss after mini-batch	2661:	0.007
Loss after mini-batch	2671:	0.006
Loss after mini-batch	2681:	0.005
Loss after mini-batch	2691:	0.006
Loss after mini-batch	2701:	0.004
Loss after mini-batch	2711:	0.005
Loss after mini-batch	2721:	0.005
Loss after mini-batch	2731:	0.006
Loss after mini-batch	2741:	0.005
Loss after mini-batch	2751:	0.014
Loss after mini-batch	2761:	0.006
Loss after mini-batch	2771:	0.009
Loss after mini-batch	2781:	0.007
Loss after mini-batch	2791:	0.007
Loss after mini-batch	2801:	0.008
Loss after mini-batch	2811:	0.005
Starting epoch 8		
Loss after mini-batch	1:	0.000
Loss after mini-batch	11:	0.005
Loss after mini-batch	21:	0.004
Loss after mini-batch	31:	0.005
Loss after mini-batch	41:	0.007
Loss after mini-batch	51:	0.004
Loss after mini-batch	61:	0.006
Loss after mini-batch	71:	0.007
Loss after mini-batch	81:	0.008
Loss after mini-batch	91:	0.005

Loss after mini-batch	101:	0.008
Loss after mini-batch	111:	0.003
Loss after mini-batch	121:	0.006
Loss after mini-batch	131:	0.006
Loss after mini-batch	141:	0.005
Loss after mini-batch	151:	0.006
Loss after mini-batch	161:	0.004
Loss after mini-batch	171:	0.006
Loss after mini-batch	181:	0.005
Loss after mini-batch	191:	0.007
Loss after mini-batch	201:	0.007
Loss after mini-batch	211:	0.008
Loss after mini-batch	221:	0.011
Loss after mini-batch	231:	0.007
Loss after mini-batch	241:	0.005
Loss after mini-batch	251:	0.007
Loss after mini-batch	261:	0.009
Loss after mini-batch	271:	0.006
Loss after mini-batch	281:	0.005
Loss after mini-batch	291:	0.004
Loss after mini-batch	301:	0.007
Loss after mini-batch	311:	0.007
Loss after mini-batch	321:	0.005
Loss after mini-batch	331:	0.010
Loss after mini-batch	341:	0.008
Loss after mini-batch	351:	0.011
Loss after mini-batch	361:	0.005
Loss after mini-batch	371:	0.007
Loss after mini-batch	381:	0.006
Loss after mini-batch	391:	0.008
Loss after mini-batch	401:	0.010
Loss after mini-batch	411:	0.008
Loss after mini-batch	421:	0.009
Loss after mini-batch	431:	0.005
Loss after mini-batch	441:	0.006
Loss after mini-batch	451:	0.006
Loss after mini-batch	461:	0.006
Loss after mini-batch	471:	0.010
Loss after mini-batch	481:	0.007
Loss after mini-batch	491:	0.005
Loss after mini-batch	501:	0.007
Loss after mini-batch	511:	0.006
Loss after mini-batch	521:	0.006
Loss after mini-batch	531:	0.010
Loss after mini-batch	541:	0.012
Loss after mini-batch	551:	0.008
Loss after mini-batch	561:	0.005
Loss after mini-batch	571:	0.009

Loss after mini-batch	581: 0.005
Loss after mini-batch	591: 0.007
Loss after mini-batch	601: 0.006
Loss after mini-batch	611: 0.004
Loss after mini-batch	621: 0.005
Loss after mini-batch	631: 0.004
Loss after mini-batch	641: 0.006
Loss after mini-batch	651: 0.005
Loss after mini-batch	661: 0.005
Loss after mini-batch	671: 0.007
Loss after mini-batch	681: 0.007
Loss after mini-batch	691: 0.009
Loss after mini-batch	701: 0.008
Loss after mini-batch	711: 0.006
Loss after mini-batch	721: 0.004
Loss after mini-batch	731: 0.006
Loss after mini-batch	741: 0.008
Loss after mini-batch	751: 0.006
Loss after mini-batch	761: 0.007
Loss after mini-batch	771: 0.008
Loss after mini-batch	781: 0.006
Loss after mini-batch	791: 0.003
Loss after mini-batch	801: 0.008
Loss after mini-batch	811: 0.005
Loss after mini-batch	821: 0.005
Loss after mini-batch	831: 0.005
Loss after mini-batch	841: 0.007
Loss after mini-batch	851: 0.006
Loss after mini-batch	861: 0.005
Loss after mini-batch	871: 0.006
Loss after mini-batch	881: 0.006
Loss after mini-batch	891: 0.007
Loss after mini-batch	901: 0.008
Loss after mini-batch	911: 0.006
Loss after mini-batch	921: 0.008
Loss after mini-batch	931: 0.011
Loss after mini-batch	941: 0.006
Loss after mini-batch	951: 0.006
Loss after mini-batch	961: 0.004
Loss after mini-batch	971: 0.004
Loss after mini-batch	981: 0.010
Loss after mini-batch	991: 0.008
Loss after mini-batch	1001: 0.003
Loss after mini-batch	1011: 0.005
Loss after mini-batch	1021: 0.005
Loss after mini-batch	1031: 0.004
Loss after mini-batch	1041: 0.005
Loss after mini-batch	1051: 0.009

Loss after mini-batch	1061:	0.005
Loss after mini-batch	1071:	0.008
Loss after mini-batch	1081:	0.007
Loss after mini-batch	1091:	0.006
Loss after mini-batch	1101:	0.007
Loss after mini-batch	1111:	0.004
Loss after mini-batch	1121:	0.005
Loss after mini-batch	1131:	0.006
Loss after mini-batch	1141:	0.008
Loss after mini-batch	1151:	0.010
Loss after mini-batch	1161:	0.005
Loss after mini-batch	1171:	0.005
Loss after mini-batch	1181:	0.005
Loss after mini-batch	1191:	0.008
Loss after mini-batch	1201:	0.007
Loss after mini-batch	1211:	0.008
Loss after mini-batch	1221:	0.007
Loss after mini-batch	1231:	0.008
Loss after mini-batch	1241:	0.005
Loss after mini-batch	1251:	0.011
Loss after mini-batch	1261:	0.007
Loss after mini-batch	1271:	0.009
Loss after mini-batch	1281:	0.008
Loss after mini-batch	1291:	0.005
Loss after mini-batch	1301:	0.007
Loss after mini-batch	1311:	0.005
Loss after mini-batch	1321:	0.011
Loss after mini-batch	1331:	0.012
Loss after mini-batch	1341:	0.004
Loss after mini-batch	1351:	0.007
Loss after mini-batch	1361:	0.006
Loss after mini-batch	1371:	0.013
Loss after mini-batch	1381:	0.005
Loss after mini-batch	1391:	0.008
Loss after mini-batch	1401:	0.007
Loss after mini-batch	1411:	0.008
Loss after mini-batch	1421:	0.004
Loss after mini-batch	1431:	0.007
Loss after mini-batch	1441:	0.011
Loss after mini-batch	1451:	0.007
Loss after mini-batch	1461:	0.010
Loss after mini-batch	1471:	0.008
Loss after mini-batch	1481:	0.008
Loss after mini-batch	1491:	0.006
Loss after mini-batch	1501:	0.006
Loss after mini-batch	1511:	0.007
Loss after mini-batch	1521:	0.006
Loss after mini-batch	1531:	0.007

Loss after mini-batch	1541:	0.011
Loss after mini-batch	1551:	0.005
Loss after mini-batch	1561:	0.005
Loss after mini-batch	1571:	0.008
Loss after mini-batch	1581:	0.011
Loss after mini-batch	1591:	0.005
Loss after mini-batch	1601:	0.006
Loss after mini-batch	1611:	0.006
Loss after mini-batch	1621:	0.005
Loss after mini-batch	1631:	0.009
Loss after mini-batch	1641:	0.006
Loss after mini-batch	1651:	0.007
Loss after mini-batch	1661:	0.010
Loss after mini-batch	1671:	0.005
Loss after mini-batch	1681:	0.007
Loss after mini-batch	1691:	0.010
Loss after mini-batch	1701:	0.006
Loss after mini-batch	1711:	0.006
Loss after mini-batch	1721:	0.006
Loss after mini-batch	1731:	0.006
Loss after mini-batch	1741:	0.005
Loss after mini-batch	1751:	0.007
Loss after mini-batch	1761:	0.006
Loss after mini-batch	1771:	0.005
Loss after mini-batch	1781:	0.005
Loss after mini-batch	1791:	0.008
Loss after mini-batch	1801:	0.005
Loss after mini-batch	1811:	0.006
Loss after mini-batch	1821:	0.005
Loss after mini-batch	1831:	0.007
Loss after mini-batch	1841:	0.006
Loss after mini-batch	1851:	0.010
Loss after mini-batch	1861:	0.005
Loss after mini-batch	1871:	0.005
Loss after mini-batch	1881:	0.007
Loss after mini-batch	1891:	0.010
Loss after mini-batch	1901:	0.008
Loss after mini-batch	1911:	0.005
Loss after mini-batch	1921:	0.005
Loss after mini-batch	1931:	0.005
Loss after mini-batch	1941:	0.005
Loss after mini-batch	1951:	0.008
Loss after mini-batch	1961:	0.005
Loss after mini-batch	1971:	0.006
Loss after mini-batch	1981:	0.006
Loss after mini-batch	1991:	0.004
Loss after mini-batch	2001:	0.004
Loss after mini-batch	2011:	0.007

Loss after mini-batch	2021:	0.009
Loss after mini-batch	2031:	0.006
Loss after mini-batch	2041:	0.006
Loss after mini-batch	2051:	0.007
Loss after mini-batch	2061:	0.004
Loss after mini-batch	2071:	0.005
Loss after mini-batch	2081:	0.004
Loss after mini-batch	2091:	0.004
Loss after mini-batch	2101:	0.006
Loss after mini-batch	2111:	0.004
Loss after mini-batch	2121:	0.005
Loss after mini-batch	2131:	0.006
Loss after mini-batch	2141:	0.008
Loss after mini-batch	2151:	0.003
Loss after mini-batch	2161:	0.004
Loss after mini-batch	2171:	0.006
Loss after mini-batch	2181:	0.008
Loss after mini-batch	2191:	0.006
Loss after mini-batch	2201:	0.007
Loss after mini-batch	2211:	0.004
Loss after mini-batch	2221:	0.004
Loss after mini-batch	2231:	0.007
Loss after mini-batch	2241:	0.006
Loss after mini-batch	2251:	0.005
Loss after mini-batch	2261:	0.008
Loss after mini-batch	2271:	0.007
Loss after mini-batch	2281:	0.007
Loss after mini-batch	2291:	0.008
Loss after mini-batch	2301:	0.009
Loss after mini-batch	2311:	0.008
Loss after mini-batch	2321:	0.007
Loss after mini-batch	2331:	0.005
Loss after mini-batch	2341:	0.006
Loss after mini-batch	2351:	0.010
Loss after mini-batch	2361:	0.007
Loss after mini-batch	2371:	0.003
Loss after mini-batch	2381:	0.008
Loss after mini-batch	2391:	0.006
Loss after mini-batch	2401:	0.004
Loss after mini-batch	2411:	0.005
Loss after mini-batch	2421:	0.007
Loss after mini-batch	2431:	0.010
Loss after mini-batch	2441:	0.014
Loss after mini-batch	2451:	0.005
Loss after mini-batch	2461:	0.006
Loss after mini-batch	2471:	0.005
Loss after mini-batch	2481:	0.008
Loss after mini-batch	2491:	0.006



```

Loss after mini-batch 2501: 0.006
Loss after mini-batch 2511: 0.006
Loss after mini-batch 2521: 0.005
Loss after mini-batch 2531: 0.010
Loss after mini-batch 2541: 0.004
Loss after mini-batch 2551: 0.006
Loss after mini-batch 2561: 0.006
Loss after mini-batch 2571: 0.008
Loss after mini-batch 2581: 0.003
Loss after mini-batch 2591: 0.005
Loss after mini-batch 2601: 0.004
Loss after mini-batch 2611: 0.005
Loss after mini-batch 2621: 0.004
Loss after mini-batch 2631: 0.006
Loss after mini-batch 2641: 0.005
Loss after mini-batch 2651: 0.007
Loss after mini-batch 2661: 0.004
Loss after mini-batch 2671: 0.006
Loss after mini-batch 2681: 0.006
Loss after mini-batch 2691: 0.006
Loss after mini-batch 2701: 0.004
Loss after mini-batch 2711: 0.007
Loss after mini-batch 2721: 0.005
Loss after mini-batch 2731: 0.006
Loss after mini-batch 2741: 0.006
Loss after mini-batch 2751: 0.009
Loss after mini-batch 2761: 0.007
Loss after mini-batch 2771: 0.009
Loss after mini-batch 2781: 0.006
Loss after mini-batch 2791: 0.010
Loss after mini-batch 2801: 0.009
Loss after mini-batch 2811: 0.008
Starting epoch 9
Loss after mini-batch      1: 0.001
Loss after mini-batch     11: 0.011
Loss after mini-batch     21: 0.007
Loss after mini-batch     31: 0.006
Loss after mini-batch     41: 0.007
Loss after mini-batch     51: 0.014
Loss after mini-batch     61: 0.005
Loss after mini-batch     71: 0.011
Loss after mini-batch     81: 0.005
Loss after mini-batch     91: 0.010
Loss after mini-batch    101: 0.006
Loss after mini-batch    111: 0.006
Loss after mini-batch    121: 0.007
Loss after mini-batch    131: 0.007
Loss after mini-batch    141: 0.006

```

Loss after mini-batch	151: 0.004
Loss after mini-batch	161: 0.005
Loss after mini-batch	171: 0.006
Loss after mini-batch	181: 0.003
Loss after mini-batch	191: 0.005
Loss after mini-batch	201: 0.006
Loss after mini-batch	211: 0.007
Loss after mini-batch	221: 0.006
Loss after mini-batch	231: 0.013
Loss after mini-batch	241: 0.007
Loss after mini-batch	251: 0.008
Loss after mini-batch	261: 0.003
Loss after mini-batch	271: 0.011
Loss after mini-batch	281: 0.005
Loss after mini-batch	291: 0.008
Loss after mini-batch	301: 0.012
Loss after mini-batch	311: 0.009
Loss after mini-batch	321: 0.006
Loss after mini-batch	331: 0.007
Loss after mini-batch	341: 0.015
Loss after mini-batch	351: 0.008
Loss after mini-batch	361: 0.006
Loss after mini-batch	371: 0.006
Loss after mini-batch	381: 0.003
Loss after mini-batch	391: 0.011
Loss after mini-batch	401: 0.009
Loss after mini-batch	411: 0.011
Loss after mini-batch	421: 0.008
Loss after mini-batch	431: 0.006
Loss after mini-batch	441: 0.006
Loss after mini-batch	451: 0.006
Loss after mini-batch	461: 0.007
Loss after mini-batch	471: 0.005
Loss after mini-batch	481: 0.005
Loss after mini-batch	491: 0.004
Loss after mini-batch	501: 0.005
Loss after mini-batch	511: 0.004
Loss after mini-batch	521: 0.008
Loss after mini-batch	531: 0.005
Loss after mini-batch	541: 0.011
Loss after mini-batch	551: 0.005
Loss after mini-batch	561: 0.008
Loss after mini-batch	571: 0.004
Loss after mini-batch	581: 0.005
Loss after mini-batch	591: 0.006
Loss after mini-batch	601: 0.004
Loss after mini-batch	611: 0.007
Loss after mini-batch	621: 0.006

Loss after mini-batch	631: 0.007
Loss after mini-batch	641: 0.005
Loss after mini-batch	651: 0.005
Loss after mini-batch	661: 0.006
Loss after mini-batch	671: 0.005
Loss after mini-batch	681: 0.009
Loss after mini-batch	691: 0.003
Loss after mini-batch	701: 0.004
Loss after mini-batch	711: 0.008
Loss after mini-batch	721: 0.007
Loss after mini-batch	731: 0.006
Loss after mini-batch	741: 0.010
Loss after mini-batch	751: 0.009
Loss after mini-batch	761: 0.003
Loss after mini-batch	771: 0.008
Loss after mini-batch	781: 0.006
Loss after mini-batch	791: 0.007
Loss after mini-batch	801: 0.010
Loss after mini-batch	811: 0.006
Loss after mini-batch	821: 0.003
Loss after mini-batch	831: 0.007
Loss after mini-batch	841: 0.006
Loss after mini-batch	851: 0.009
Loss after mini-batch	861: 0.011
Loss after mini-batch	871: 0.007
Loss after mini-batch	881: 0.006
Loss after mini-batch	891: 0.004
Loss after mini-batch	901: 0.003
Loss after mini-batch	911: 0.013
Loss after mini-batch	921: 0.006
Loss after mini-batch	931: 0.005
Loss after mini-batch	941: 0.004
Loss after mini-batch	951: 0.005
Loss after mini-batch	961: 0.004
Loss after mini-batch	971: 0.006
Loss after mini-batch	981: 0.008
Loss after mini-batch	991: 0.005
Loss after mini-batch	1001: 0.008
Loss after mini-batch	1011: 0.004
Loss after mini-batch	1021: 0.005
Loss after mini-batch	1031: 0.008
Loss after mini-batch	1041: 0.009
Loss after mini-batch	1051: 0.008
Loss after mini-batch	1061: 0.009
Loss after mini-batch	1071: 0.005
Loss after mini-batch	1081: 0.005
Loss after mini-batch	1091: 0.005
Loss after mini-batch	1101: 0.007

Loss after mini-batch	1111:	0.008
Loss after mini-batch	1121:	0.011
Loss after mini-batch	1131:	0.005
Loss after mini-batch	1141:	0.006
Loss after mini-batch	1151:	0.004
Loss after mini-batch	1161:	0.006
Loss after mini-batch	1171:	0.006
Loss after mini-batch	1181:	0.006
Loss after mini-batch	1191:	0.006
Loss after mini-batch	1201:	0.006
Loss after mini-batch	1211:	0.005
Loss after mini-batch	1221:	0.008
Loss after mini-batch	1231:	0.006
Loss after mini-batch	1241:	0.004
Loss after mini-batch	1251:	0.006
Loss after mini-batch	1261:	0.005
Loss after mini-batch	1271:	0.007
Loss after mini-batch	1281:	0.009
Loss after mini-batch	1291:	0.006
Loss after mini-batch	1301:	0.007
Loss after mini-batch	1311:	0.007
Loss after mini-batch	1321:	0.006
Loss after mini-batch	1331:	0.007
Loss after mini-batch	1341:	0.006
Loss after mini-batch	1351:	0.005
Loss after mini-batch	1361:	0.009
Loss after mini-batch	1371:	0.005
Loss after mini-batch	1381:	0.005
Loss after mini-batch	1391:	0.006
Loss after mini-batch	1401:	0.007
Loss after mini-batch	1411:	0.005
Loss after mini-batch	1421:	0.005
Loss after mini-batch	1431:	0.004
Loss after mini-batch	1441:	0.004
Loss after mini-batch	1451:	0.004
Loss after mini-batch	1461:	0.004
Loss after mini-batch	1471:	0.010
Loss after mini-batch	1481:	0.006
Loss after mini-batch	1491:	0.005
Loss after mini-batch	1501:	0.008
Loss after mini-batch	1511:	0.004
Loss after mini-batch	1521:	0.009
Loss after mini-batch	1531:	0.007
Loss after mini-batch	1541:	0.006
Loss after mini-batch	1551:	0.007
Loss after mini-batch	1561:	0.004
Loss after mini-batch	1571:	0.009
Loss after mini-batch	1581:	0.008

Loss after mini-batch	1591:	0.007
Loss after mini-batch	1601:	0.004
Loss after mini-batch	1611:	0.007
Loss after mini-batch	1621:	0.004
Loss after mini-batch	1631:	0.007
Loss after mini-batch	1641:	0.007
Loss after mini-batch	1651:	0.005
Loss after mini-batch	1661:	0.006
Loss after mini-batch	1671:	0.008
Loss after mini-batch	1681:	0.006
Loss after mini-batch	1691:	0.009
Loss after mini-batch	1701:	0.004
Loss after mini-batch	1711:	0.007
Loss after mini-batch	1721:	0.003
Loss after mini-batch	1731:	0.005
Loss after mini-batch	1741:	0.005
Loss after mini-batch	1751:	0.004
Loss after mini-batch	1761:	0.005
Loss after mini-batch	1771:	0.005
Loss after mini-batch	1781:	0.008
Loss after mini-batch	1791:	0.006
Loss after mini-batch	1801:	0.007
Loss after mini-batch	1811:	0.004
Loss after mini-batch	1821:	0.005
Loss after mini-batch	1831:	0.005
Loss after mini-batch	1841:	0.007
Loss after mini-batch	1851:	0.006
Loss after mini-batch	1861:	0.009
Loss after mini-batch	1871:	0.008
Loss after mini-batch	1881:	0.009
Loss after mini-batch	1891:	0.010
Loss after mini-batch	1901:	0.006
Loss after mini-batch	1911:	0.009
Loss after mini-batch	1921:	0.011
Loss after mini-batch	1931:	0.010
Loss after mini-batch	1941:	0.009
Loss after mini-batch	1951:	0.004
Loss after mini-batch	1961:	0.003
Loss after mini-batch	1971:	0.005
Loss after mini-batch	1981:	0.005
Loss after mini-batch	1991:	0.007
Loss after mini-batch	2001:	0.013
Loss after mini-batch	2011:	0.004
Loss after mini-batch	2021:	0.007
Loss after mini-batch	2031:	0.007
Loss after mini-batch	2041:	0.004
Loss after mini-batch	2051:	0.006
Loss after mini-batch	2061:	0.012

Loss after mini-batch	2071:	0.011
Loss after mini-batch	2081:	0.006
Loss after mini-batch	2091:	0.008
Loss after mini-batch	2101:	0.003
Loss after mini-batch	2111:	0.003
Loss after mini-batch	2121:	0.005
Loss after mini-batch	2131:	0.005
Loss after mini-batch	2141:	0.007
Loss after mini-batch	2151:	0.008
Loss after mini-batch	2161:	0.006
Loss after mini-batch	2171:	0.004
Loss after mini-batch	2181:	0.004
Loss after mini-batch	2191:	0.005
Loss after mini-batch	2201:	0.005
Loss after mini-batch	2211:	0.006
Loss after mini-batch	2221:	0.006
Loss after mini-batch	2231:	0.004
Loss after mini-batch	2241:	0.005
Loss after mini-batch	2251:	0.005
Loss after mini-batch	2261:	0.004
Loss after mini-batch	2271:	0.005
Loss after mini-batch	2281:	0.006
Loss after mini-batch	2291:	0.007
Loss after mini-batch	2301:	0.003
Loss after mini-batch	2311:	0.005
Loss after mini-batch	2321:	0.007
Loss after mini-batch	2331:	0.004
Loss after mini-batch	2341:	0.006
Loss after mini-batch	2351:	0.004
Loss after mini-batch	2361:	0.008
Loss after mini-batch	2371:	0.007
Loss after mini-batch	2381:	0.009
Loss after mini-batch	2391:	0.009
Loss after mini-batch	2401:	0.005
Loss after mini-batch	2411:	0.007
Loss after mini-batch	2421:	0.005
Loss after mini-batch	2431:	0.006
Loss after mini-batch	2441:	0.005
Loss after mini-batch	2451:	0.006
Loss after mini-batch	2461:	0.007
Loss after mini-batch	2471:	0.003
Loss after mini-batch	2481:	0.004
Loss after mini-batch	2491:	0.007
Loss after mini-batch	2501:	0.007
Loss after mini-batch	2511:	0.006
Loss after mini-batch	2521:	0.007
Loss after mini-batch	2531:	0.004
Loss after mini-batch	2541:	0.006

```

Loss after mini-batch 2551: 0.006
Loss after mini-batch 2561: 0.006
Loss after mini-batch 2571: 0.007
Loss after mini-batch 2581: 0.004
Loss after mini-batch 2591: 0.005
Loss after mini-batch 2601: 0.006
Loss after mini-batch 2611: 0.007
Loss after mini-batch 2621: 0.009
Loss after mini-batch 2631: 0.004
Loss after mini-batch 2641: 0.006
Loss after mini-batch 2651: 0.005
Loss after mini-batch 2661: 0.007
Loss after mini-batch 2671: 0.009
Loss after mini-batch 2681: 0.008
Loss after mini-batch 2691: 0.009
Loss after mini-batch 2701: 0.007
Loss after mini-batch 2711: 0.004
Loss after mini-batch 2721: 0.007
Loss after mini-batch 2731: 0.006
Loss after mini-batch 2741: 0.008
Loss after mini-batch 2751: 0.007
Loss after mini-batch 2761: 0.006
Loss after mini-batch 2771: 0.004
Loss after mini-batch 2781: 0.005
Loss after mini-batch 2791: 0.005
Loss after mini-batch 2801: 0.005
Loss after mini-batch 2811: 0.006
Starting epoch 10
Loss after mini-batch 1: 0.001
Loss after mini-batch 11: 0.004
Loss after mini-batch 21: 0.004
Loss after mini-batch 31: 0.006
Loss after mini-batch 41: 0.006
Loss after mini-batch 51: 0.004
Loss after mini-batch 61: 0.007
Loss after mini-batch 71: 0.005
Loss after mini-batch 81: 0.003
Loss after mini-batch 91: 0.008
Loss after mini-batch 101: 0.004
Loss after mini-batch 111: 0.007
Loss after mini-batch 121: 0.007
Loss after mini-batch 131: 0.005
Loss after mini-batch 141: 0.005
Loss after mini-batch 151: 0.006
Loss after mini-batch 161: 0.006
Loss after mini-batch 171: 0.006
Loss after mini-batch 181: 0.006
Loss after mini-batch 191: 0.009

```

Loss after mini-batch	201:	0.006
Loss after mini-batch	211:	0.009
Loss after mini-batch	221:	0.006
Loss after mini-batch	231:	0.007
Loss after mini-batch	241:	0.007
Loss after mini-batch	251:	0.008
Loss after mini-batch	261:	0.004
Loss after mini-batch	271:	0.006
Loss after mini-batch	281:	0.007
Loss after mini-batch	291:	0.009
Loss after mini-batch	301:	0.011
Loss after mini-batch	311:	0.006
Loss after mini-batch	321:	0.005
Loss after mini-batch	331:	0.008
Loss after mini-batch	341:	0.006
Loss after mini-batch	351:	0.004
Loss after mini-batch	361:	0.005
Loss after mini-batch	371:	0.006
Loss after mini-batch	381:	0.003
Loss after mini-batch	391:	0.005
Loss after mini-batch	401:	0.005
Loss after mini-batch	411:	0.009
Loss after mini-batch	421:	0.006
Loss after mini-batch	431:	0.005
Loss after mini-batch	441:	0.008
Loss after mini-batch	451:	0.009
Loss after mini-batch	461:	0.004
Loss after mini-batch	471:	0.007
Loss after mini-batch	481:	0.006
Loss after mini-batch	491:	0.008
Loss after mini-batch	501:	0.007
Loss after mini-batch	511:	0.008
Loss after mini-batch	521:	0.005
Loss after mini-batch	531:	0.007
Loss after mini-batch	541:	0.007
Loss after mini-batch	551:	0.005
Loss after mini-batch	561:	0.007
Loss after mini-batch	571:	0.010
Loss after mini-batch	581:	0.005
Loss after mini-batch	591:	0.004
Loss after mini-batch	601:	0.005
Loss after mini-batch	611:	0.005
Loss after mini-batch	621:	0.006
Loss after mini-batch	631:	0.007
Loss after mini-batch	641:	0.004
Loss after mini-batch	651:	0.004
Loss after mini-batch	661:	0.006
Loss after mini-batch	671:	0.006



Loss after mini-batch	681: 0.005
Loss after mini-batch	691: 0.006
Loss after mini-batch	701: 0.006
Loss after mini-batch	711: 0.006
Loss after mini-batch	721: 0.006
Loss after mini-batch	731: 0.005
Loss after mini-batch	741: 0.008
Loss after mini-batch	751: 0.003
Loss after mini-batch	761: 0.006
Loss after mini-batch	771: 0.005
Loss after mini-batch	781: 0.005
Loss after mini-batch	791: 0.006
Loss after mini-batch	801: 0.003
Loss after mini-batch	811: 0.007
Loss after mini-batch	821: 0.007
Loss after mini-batch	831: 0.005
Loss after mini-batch	841: 0.003
Loss after mini-batch	851: 0.005
Loss after mini-batch	861: 0.006
Loss after mini-batch	871: 0.009
Loss after mini-batch	881: 0.007
Loss after mini-batch	891: 0.009
Loss after mini-batch	901: 0.005
Loss after mini-batch	911: 0.006
Loss after mini-batch	921: 0.008
Loss after mini-batch	931: 0.008
Loss after mini-batch	941: 0.007
Loss after mini-batch	951: 0.004
Loss after mini-batch	961: 0.004
Loss after mini-batch	971: 0.007
Loss after mini-batch	981: 0.007
Loss after mini-batch	991: 0.005
Loss after mini-batch	1001: 0.007
Loss after mini-batch	1011: 0.005
Loss after mini-batch	1021: 0.005
Loss after mini-batch	1031: 0.004
Loss after mini-batch	1041: 0.010
Loss after mini-batch	1051: 0.007
Loss after mini-batch	1061: 0.006
Loss after mini-batch	1071: 0.005
Loss after mini-batch	1081: 0.008
Loss after mini-batch	1091: 0.009
Loss after mini-batch	1101: 0.011
Loss after mini-batch	1111: 0.004
Loss after mini-batch	1121: 0.007
Loss after mini-batch	1131: 0.005
Loss after mini-batch	1141: 0.006
Loss after mini-batch	1151: 0.007

Loss after mini-batch	1161:	0.009
Loss after mini-batch	1171:	0.005
Loss after mini-batch	1181:	0.007
Loss after mini-batch	1191:	0.006
Loss after mini-batch	1201:	0.005
Loss after mini-batch	1211:	0.014
Loss after mini-batch	1221:	0.007
Loss after mini-batch	1231:	0.005
Loss after mini-batch	1241:	0.004
Loss after mini-batch	1251:	0.009
Loss after mini-batch	1261:	0.008
Loss after mini-batch	1271:	0.003
Loss after mini-batch	1281:	0.007
Loss after mini-batch	1291:	0.006
Loss after mini-batch	1301:	0.005
Loss after mini-batch	1311:	0.003
Loss after mini-batch	1321:	0.005
Loss after mini-batch	1331:	0.010
Loss after mini-batch	1341:	0.006
Loss after mini-batch	1351:	0.010
Loss after mini-batch	1361:	0.007
Loss after mini-batch	1371:	0.005
Loss after mini-batch	1381:	0.004
Loss after mini-batch	1391:	0.004
Loss after mini-batch	1401:	0.006
Loss after mini-batch	1411:	0.004
Loss after mini-batch	1421:	0.008
Loss after mini-batch	1431:	0.005
Loss after mini-batch	1441:	0.005
Loss after mini-batch	1451:	0.004
Loss after mini-batch	1461:	0.005
Loss after mini-batch	1471:	0.006
Loss after mini-batch	1481:	0.008
Loss after mini-batch	1491:	0.005
Loss after mini-batch	1501:	0.004
Loss after mini-batch	1511:	0.005
Loss after mini-batch	1521:	0.006
Loss after mini-batch	1531:	0.005
Loss after mini-batch	1541:	0.005
Loss after mini-batch	1551:	0.006
Loss after mini-batch	1561:	0.005
Loss after mini-batch	1571:	0.007
Loss after mini-batch	1581:	0.005
Loss after mini-batch	1591:	0.008
Loss after mini-batch	1601:	0.007
Loss after mini-batch	1611:	0.008
Loss after mini-batch	1621:	0.008
Loss after mini-batch	1631:	0.006

Loss after mini-batch	1641:	0.007
Loss after mini-batch	1651:	0.009
Loss after mini-batch	1661:	0.007
Loss after mini-batch	1671:	0.007
Loss after mini-batch	1681:	0.010
Loss after mini-batch	1691:	0.005
Loss after mini-batch	1701:	0.008
Loss after mini-batch	1711:	0.008
Loss after mini-batch	1721:	0.006
Loss after mini-batch	1731:	0.006
Loss after mini-batch	1741:	0.008
Loss after mini-batch	1751:	0.005
Loss after mini-batch	1761:	0.004
Loss after mini-batch	1771:	0.005
Loss after mini-batch	1781:	0.005
Loss after mini-batch	1791:	0.004
Loss after mini-batch	1801:	0.004
Loss after mini-batch	1811:	0.007
Loss after mini-batch	1821:	0.011
Loss after mini-batch	1831:	0.009
Loss after mini-batch	1841:	0.008
Loss after mini-batch	1851:	0.006
Loss after mini-batch	1861:	0.005
Loss after mini-batch	1871:	0.005
Loss after mini-batch	1881:	0.007
Loss after mini-batch	1891:	0.008
Loss after mini-batch	1901:	0.006
Loss after mini-batch	1911:	0.004
Loss after mini-batch	1921:	0.004
Loss after mini-batch	1931:	0.009
Loss after mini-batch	1941:	0.008
Loss after mini-batch	1951:	0.006
Loss after mini-batch	1961:	0.007
Loss after mini-batch	1971:	0.003
Loss after mini-batch	1981:	0.007
Loss after mini-batch	1991:	0.005
Loss after mini-batch	2001:	0.006
Loss after mini-batch	2011:	0.008
Loss after mini-batch	2021:	0.004
Loss after mini-batch	2031:	0.008
Loss after mini-batch	2041:	0.004
Loss after mini-batch	2051:	0.006
Loss after mini-batch	2061:	0.005
Loss after mini-batch	2071:	0.006
Loss after mini-batch	2081:	0.005
Loss after mini-batch	2091:	0.006
Loss after mini-batch	2101:	0.008
Loss after mini-batch	2111:	0.006

Loss after mini-batch	2121:	0.006
Loss after mini-batch	2131:	0.004
Loss after mini-batch	2141:	0.006
Loss after mini-batch	2151:	0.006
Loss after mini-batch	2161:	0.011
Loss after mini-batch	2171:	0.008
Loss after mini-batch	2181:	0.006
Loss after mini-batch	2191:	0.006
Loss after mini-batch	2201:	0.003
Loss after mini-batch	2211:	0.005
Loss after mini-batch	2221:	0.004
Loss after mini-batch	2231:	0.010
Loss after mini-batch	2241:	0.005
Loss after mini-batch	2251:	0.004
Loss after mini-batch	2261:	0.003
Loss after mini-batch	2271:	0.008
Loss after mini-batch	2281:	0.006
Loss after mini-batch	2291:	0.008
Loss after mini-batch	2301:	0.005
Loss after mini-batch	2311:	0.008
Loss after mini-batch	2321:	0.010
Loss after mini-batch	2331:	0.007
Loss after mini-batch	2341:	0.006
Loss after mini-batch	2351:	0.003
Loss after mini-batch	2361:	0.005
Loss after mini-batch	2371:	0.004
Loss after mini-batch	2381:	0.005
Loss after mini-batch	2391:	0.003
Loss after mini-batch	2401:	0.008
Loss after mini-batch	2411:	0.007
Loss after mini-batch	2421:	0.007
Loss after mini-batch	2431:	0.008
Loss after mini-batch	2441:	0.007
Loss after mini-batch	2451:	0.008
Loss after mini-batch	2461:	0.006
Loss after mini-batch	2471:	0.009
Loss after mini-batch	2481:	0.007
Loss after mini-batch	2491:	0.005
Loss after mini-batch	2501:	0.005
Loss after mini-batch	2511:	0.006
Loss after mini-batch	2521:	0.005
Loss after mini-batch	2531:	0.006
Loss after mini-batch	2541:	0.006
Loss after mini-batch	2551:	0.004
Loss after mini-batch	2561:	0.009
Loss after mini-batch	2571:	0.005
Loss after mini-batch	2581:	0.009
Loss after mini-batch	2591:	0.009

```
Loss after mini-batch 2601: 0.003
Loss after mini-batch 2611: 0.007
Loss after mini-batch 2621: 0.004
Loss after mini-batch 2631: 0.008
Loss after mini-batch 2641: 0.008
Loss after mini-batch 2651: 0.005
Loss after mini-batch 2661: 0.005
Loss after mini-batch 2671: 0.008
Loss after mini-batch 2681: 0.003
Loss after mini-batch 2691: 0.007
Loss after mini-batch 2701: 0.008
Loss after mini-batch 2711: 0.009
Loss after mini-batch 2721: 0.006
Loss after mini-batch 2731: 0.008
Loss after mini-batch 2741: 0.006
Loss after mini-batch 2751: 0.004
Loss after mini-batch 2761: 0.006
Loss after mini-batch 2771: 0.005
Loss after mini-batch 2781: 0.006
Loss after mini-batch 2791: 0.009
Loss after mini-batch 2801: 0.006
Loss after mini-batch 2811: 0.008
Starting epoch 11
Loss after mini-batch 1: 0.002
Loss after mini-batch 11: 0.005
Loss after mini-batch 21: 0.006
Loss after mini-batch 31: 0.005
Loss after mini-batch 41: 0.005
Loss after mini-batch 51: 0.008
Loss after mini-batch 61: 0.004
Loss after mini-batch 71: 0.004
Loss after mini-batch 81: 0.008
Loss after mini-batch 91: 0.008
Loss after mini-batch 101: 0.004
Loss after mini-batch 111: 0.003
Loss after mini-batch 121: 0.005
Loss after mini-batch 131: 0.005
Loss after mini-batch 141: 0.003
Loss after mini-batch 151: 0.006
Loss after mini-batch 161: 0.006
Loss after mini-batch 171: 0.008
Loss after mini-batch 181: 0.005
Loss after mini-batch 191: 0.007
Loss after mini-batch 201: 0.010
Loss after mini-batch 211: 0.004
Loss after mini-batch 221: 0.006
Loss after mini-batch 231: 0.006
Loss after mini-batch 241: 0.006
```

Loss after mini-batch	251: 0.003
Loss after mini-batch	261: 0.005
Loss after mini-batch	271: 0.006
Loss after mini-batch	281: 0.007
Loss after mini-batch	291: 0.009
Loss after mini-batch	301: 0.005
Loss after mini-batch	311: 0.008
Loss after mini-batch	321: 0.005
Loss after mini-batch	331: 0.006
Loss after mini-batch	341: 0.006
Loss after mini-batch	351: 0.005
Loss after mini-batch	361: 0.004
Loss after mini-batch	371: 0.005
Loss after mini-batch	381: 0.006
Loss after mini-batch	391: 0.010
Loss after mini-batch	401: 0.005
Loss after mini-batch	411: 0.012
Loss after mini-batch	421: 0.008
Loss after mini-batch	431: 0.005
Loss after mini-batch	441: 0.005
Loss after mini-batch	451: 0.006
Loss after mini-batch	461: 0.005
Loss after mini-batch	471: 0.006
Loss after mini-batch	481: 0.006
Loss after mini-batch	491: 0.010
Loss after mini-batch	501: 0.007
Loss after mini-batch	511: 0.005
Loss after mini-batch	521: 0.007
Loss after mini-batch	531: 0.003
Loss after mini-batch	541: 0.008
Loss after mini-batch	551: 0.003
Loss after mini-batch	561: 0.008
Loss after mini-batch	571: 0.007
Loss after mini-batch	581: 0.007
Loss after mini-batch	591: 0.006
Loss after mini-batch	601: 0.007
Loss after mini-batch	611: 0.005
Loss after mini-batch	621: 0.005
Loss after mini-batch	631: 0.009
Loss after mini-batch	641: 0.007
Loss after mini-batch	651: 0.006
Loss after mini-batch	661: 0.006
Loss after mini-batch	671: 0.005
Loss after mini-batch	681: 0.005
Loss after mini-batch	691: 0.008
Loss after mini-batch	701: 0.006
Loss after mini-batch	711: 0.006
Loss after mini-batch	721: 0.007

Loss after mini-batch	731:	0.005
Loss after mini-batch	741:	0.004
Loss after mini-batch	751:	0.008
Loss after mini-batch	761:	0.005
Loss after mini-batch	771:	0.006
Loss after mini-batch	781:	0.003
Loss after mini-batch	791:	0.007
Loss after mini-batch	801:	0.006
Loss after mini-batch	811:	0.004
Loss after mini-batch	821:	0.006
Loss after mini-batch	831:	0.005
Loss after mini-batch	841:	0.008
Loss after mini-batch	851:	0.006
Loss after mini-batch	861:	0.008
Loss after mini-batch	871:	0.008
Loss after mini-batch	881:	0.006
Loss after mini-batch	891:	0.007
Loss after mini-batch	901:	0.006
Loss after mini-batch	911:	0.006
Loss after mini-batch	921:	0.006
Loss after mini-batch	931:	0.010
Loss after mini-batch	941:	0.007
Loss after mini-batch	951:	0.005
Loss after mini-batch	961:	0.005
Loss after mini-batch	971:	0.010
Loss after mini-batch	981:	0.003
Loss after mini-batch	991:	0.006
Loss after mini-batch	1001:	0.007
Loss after mini-batch	1011:	0.004
Loss after mini-batch	1021:	0.007
Loss after mini-batch	1031:	0.006
Loss after mini-batch	1041:	0.006
Loss after mini-batch	1051:	0.004
Loss after mini-batch	1061:	0.006
Loss after mini-batch	1071:	0.012
Loss after mini-batch	1081:	0.005
Loss after mini-batch	1091:	0.007
Loss after mini-batch	1101:	0.010
Loss after mini-batch	1111:	0.007
Loss after mini-batch	1121:	0.005
Loss after mini-batch	1131:	0.003
Loss after mini-batch	1141:	0.005
Loss after mini-batch	1151:	0.010
Loss after mini-batch	1161:	0.009
Loss after mini-batch	1171:	0.004
Loss after mini-batch	1181:	0.005
Loss after mini-batch	1191:	0.006
Loss after mini-batch	1201:	0.007

Loss after mini-batch	1211:	0.006
Loss after mini-batch	1221:	0.006
Loss after mini-batch	1231:	0.006
Loss after mini-batch	1241:	0.005
Loss after mini-batch	1251:	0.007
Loss after mini-batch	1261:	0.008
Loss after mini-batch	1271:	0.006
Loss after mini-batch	1281:	0.007
Loss after mini-batch	1291:	0.005
Loss after mini-batch	1301:	0.005
Loss after mini-batch	1311:	0.005
Loss after mini-batch	1321:	0.008
Loss after mini-batch	1331:	0.007
Loss after mini-batch	1341:	0.009
Loss after mini-batch	1351:	0.004
Loss after mini-batch	1361:	0.006
Loss after mini-batch	1371:	0.008
Loss after mini-batch	1381:	0.007
Loss after mini-batch	1391:	0.010
Loss after mini-batch	1401:	0.006
Loss after mini-batch	1411:	0.006
Loss after mini-batch	1421:	0.004
Loss after mini-batch	1431:	0.006
Loss after mini-batch	1441:	0.004
Loss after mini-batch	1451:	0.010
Loss after mini-batch	1461:	0.004
Loss after mini-batch	1471:	0.009
Loss after mini-batch	1481:	0.006
Loss after mini-batch	1491:	0.007
Loss after mini-batch	1501:	0.009
Loss after mini-batch	1511:	0.007
Loss after mini-batch	1521:	0.006
Loss after mini-batch	1531:	0.007
Loss after mini-batch	1541:	0.010
Loss after mini-batch	1551:	0.003
Loss after mini-batch	1561:	0.008
Loss after mini-batch	1571:	0.004
Loss after mini-batch	1581:	0.008
Loss after mini-batch	1591:	0.007
Loss after mini-batch	1601:	0.004
Loss after mini-batch	1611:	0.006
Loss after mini-batch	1621:	0.005
Loss after mini-batch	1631:	0.005
Loss after mini-batch	1641:	0.005
Loss after mini-batch	1651:	0.005
Loss after mini-batch	1661:	0.008
Loss after mini-batch	1671:	0.005
Loss after mini-batch	1681:	0.005



Loss after mini-batch	1691:	0.005
Loss after mini-batch	1701:	0.008
Loss after mini-batch	1711:	0.012
Loss after mini-batch	1721:	0.007
Loss after mini-batch	1731:	0.005
Loss after mini-batch	1741:	0.006
Loss after mini-batch	1751:	0.007
Loss after mini-batch	1761:	0.005
Loss after mini-batch	1771:	0.005
Loss after mini-batch	1781:	0.006
Loss after mini-batch	1791:	0.004
Loss after mini-batch	1801:	0.005
Loss after mini-batch	1811:	0.002
Loss after mini-batch	1821:	0.007
Loss after mini-batch	1831:	0.004
Loss after mini-batch	1841:	0.006
Loss after mini-batch	1851:	0.005
Loss after mini-batch	1861:	0.006
Loss after mini-batch	1871:	0.005
Loss after mini-batch	1881:	0.005
Loss after mini-batch	1891:	0.005
Loss after mini-batch	1901:	0.004
Loss after mini-batch	1911:	0.006
Loss after mini-batch	1921:	0.006
Loss after mini-batch	1931:	0.007
Loss after mini-batch	1941:	0.005
Loss after mini-batch	1951:	0.004
Loss after mini-batch	1961:	0.004
Loss after mini-batch	1971:	0.006
Loss after mini-batch	1981:	0.004
Loss after mini-batch	1991:	0.003
Loss after mini-batch	2001:	0.005
Loss after mini-batch	2011:	0.012
Loss after mini-batch	2021:	0.003
Loss after mini-batch	2031:	0.006
Loss after mini-batch	2041:	0.007
Loss after mini-batch	2051:	0.009
Loss after mini-batch	2061:	0.004
Loss after mini-batch	2071:	0.005
Loss after mini-batch	2081:	0.005
Loss after mini-batch	2091:	0.004
Loss after mini-batch	2101:	0.007
Loss after mini-batch	2111:	0.004
Loss after mini-batch	2121:	0.004
Loss after mini-batch	2131:	0.005
Loss after mini-batch	2141:	0.006
Loss after mini-batch	2151:	0.005
Loss after mini-batch	2161:	0.006

Loss after mini-batch	2171:	0.007
Loss after mini-batch	2181:	0.008
Loss after mini-batch	2191:	0.006
Loss after mini-batch	2201:	0.005
Loss after mini-batch	2211:	0.005
Loss after mini-batch	2221:	0.004
Loss after mini-batch	2231:	0.008
Loss after mini-batch	2241:	0.007
Loss after mini-batch	2251:	0.005
Loss after mini-batch	2261:	0.006
Loss after mini-batch	2271:	0.005
Loss after mini-batch	2281:	0.006
Loss after mini-batch	2291:	0.003
Loss after mini-batch	2301:	0.006
Loss after mini-batch	2311:	0.007
Loss after mini-batch	2321:	0.005
Loss after mini-batch	2331:	0.005
Loss after mini-batch	2341:	0.008
Loss after mini-batch	2351:	0.006
Loss after mini-batch	2361:	0.005
Loss after mini-batch	2371:	0.005
Loss after mini-batch	2381:	0.005
Loss after mini-batch	2391:	0.006
Loss after mini-batch	2401:	0.006
Loss after mini-batch	2411:	0.003
Loss after mini-batch	2421:	0.008
Loss after mini-batch	2431:	0.008
Loss after mini-batch	2441:	0.004
Loss after mini-batch	2451:	0.006
Loss after mini-batch	2461:	0.010
Loss after mini-batch	2471:	0.005
Loss after mini-batch	2481:	0.004
Loss after mini-batch	2491:	0.008
Loss after mini-batch	2501:	0.006
Loss after mini-batch	2511:	0.005
Loss after mini-batch	2521:	0.007
Loss after mini-batch	2531:	0.006
Loss after mini-batch	2541:	0.006
Loss after mini-batch	2551:	0.005
Loss after mini-batch	2561:	0.007
Loss after mini-batch	2571:	0.008
Loss after mini-batch	2581:	0.005
Loss after mini-batch	2591:	0.004
Loss after mini-batch	2601:	0.006
Loss after mini-batch	2611:	0.007
Loss after mini-batch	2621:	0.007
Loss after mini-batch	2631:	0.006
Loss after mini-batch	2641:	0.006

```

Loss after mini-batch 2651: 0.006
Loss after mini-batch 2661: 0.004
Loss after mini-batch 2671: 0.007
Loss after mini-batch 2681: 0.004
Loss after mini-batch 2691: 0.005
Loss after mini-batch 2701: 0.004
Loss after mini-batch 2711: 0.007
Loss after mini-batch 2721: 0.005
Loss after mini-batch 2731: 0.006
Loss after mini-batch 2741: 0.007
Loss after mini-batch 2751: 0.005
Loss after mini-batch 2761: 0.005
Loss after mini-batch 2771: 0.007
Loss after mini-batch 2781: 0.007
Loss after mini-batch 2791: 0.005
Loss after mini-batch 2801: 0.009
Loss after mini-batch 2811: 0.007
Starting epoch 12
Loss after mini-batch      1: 0.000
Loss after mini-batch     11: 0.004
Loss after mini-batch     21: 0.010
Loss after mini-batch     31: 0.005
Loss after mini-batch     41: 0.006
Loss after mini-batch     51: 0.006
Loss after mini-batch     61: 0.006
Loss after mini-batch     71: 0.010
Loss after mini-batch     81: 0.012
Loss after mini-batch     91: 0.005
Loss after mini-batch    101: 0.009
Loss after mini-batch    111: 0.005
Loss after mini-batch    121: 0.006
Loss after mini-batch    131: 0.006
Loss after mini-batch    141: 0.008
Loss after mini-batch    151: 0.009
Loss after mini-batch    161: 0.005
Loss after mini-batch    171: 0.003
Loss after mini-batch    181: 0.006
Loss after mini-batch    191: 0.003
Loss after mini-batch    201: 0.008
Loss after mini-batch    211: 0.006
Loss after mini-batch    221: 0.004
Loss after mini-batch    231: 0.005
Loss after mini-batch    241: 0.004
Loss after mini-batch    251: 0.004
Loss after mini-batch    261: 0.008
Loss after mini-batch    271: 0.003
Loss after mini-batch    281: 0.008
Loss after mini-batch    291: 0.007

```

Loss after mini-batch	301: 0.006
Loss after mini-batch	311: 0.005
Loss after mini-batch	321: 0.007
Loss after mini-batch	331: 0.008
Loss after mini-batch	341: 0.007
Loss after mini-batch	351: 0.009
Loss after mini-batch	361: 0.010
Loss after mini-batch	371: 0.009
Loss after mini-batch	381: 0.007
Loss after mini-batch	391: 0.007
Loss after mini-batch	401: 0.006
Loss after mini-batch	411: 0.005
Loss after mini-batch	421: 0.006
Loss after mini-batch	431: 0.005
Loss after mini-batch	441: 0.008
Loss after mini-batch	451: 0.004
Loss after mini-batch	461: 0.007
Loss after mini-batch	471: 0.003
Loss after mini-batch	481: 0.004
Loss after mini-batch	491: 0.006
Loss after mini-batch	501: 0.007
Loss after mini-batch	511: 0.006
Loss after mini-batch	521: 0.014
Loss after mini-batch	531: 0.013
Loss after mini-batch	541: 0.007
Loss after mini-batch	551: 0.004
Loss after mini-batch	561: 0.005
Loss after mini-batch	571: 0.005
Loss after mini-batch	581: 0.007
Loss after mini-batch	591: 0.005
Loss after mini-batch	601: 0.006
Loss after mini-batch	611: 0.006
Loss after mini-batch	621: 0.005
Loss after mini-batch	631: 0.007
Loss after mini-batch	641: 0.010
Loss after mini-batch	651: 0.009
Loss after mini-batch	661: 0.005
Loss after mini-batch	671: 0.006
Loss after mini-batch	681: 0.003
Loss after mini-batch	691: 0.007
Loss after mini-batch	701: 0.007
Loss after mini-batch	711: 0.011
Loss after mini-batch	721: 0.008
Loss after mini-batch	731: 0.006
Loss after mini-batch	741: 0.003
Loss after mini-batch	751: 0.005
Loss after mini-batch	761: 0.007
Loss after mini-batch	771: 0.006

Loss after mini-batch	781: 0.005
Loss after mini-batch	791: 0.005
Loss after mini-batch	801: 0.006
Loss after mini-batch	811: 0.005
Loss after mini-batch	821: 0.006
Loss after mini-batch	831: 0.009
Loss after mini-batch	841: 0.005
Loss after mini-batch	851: 0.005
Loss after mini-batch	861: 0.004
Loss after mini-batch	871: 0.004
Loss after mini-batch	881: 0.005
Loss after mini-batch	891: 0.006
Loss after mini-batch	901: 0.009
Loss after mini-batch	911: 0.005
Loss after mini-batch	921: 0.004
Loss after mini-batch	931: 0.008
Loss after mini-batch	941: 0.007
Loss after mini-batch	951: 0.006
Loss after mini-batch	961: 0.006
Loss after mini-batch	971: 0.007
Loss after mini-batch	981: 0.004
Loss after mini-batch	991: 0.005
Loss after mini-batch	1001: 0.007
Loss after mini-batch	1011: 0.009
Loss after mini-batch	1021: 0.003
Loss after mini-batch	1031: 0.008
Loss after mini-batch	1041: 0.006
Loss after mini-batch	1051: 0.007
Loss after mini-batch	1061: 0.005
Loss after mini-batch	1071: 0.003
Loss after mini-batch	1081: 0.006
Loss after mini-batch	1091: 0.004
Loss after mini-batch	1101: 0.006
Loss after mini-batch	1111: 0.006
Loss after mini-batch	1121: 0.006
Loss after mini-batch	1131: 0.005
Loss after mini-batch	1141: 0.008
Loss after mini-batch	1151: 0.006
Loss after mini-batch	1161: 0.008
Loss after mini-batch	1171: 0.006
Loss after mini-batch	1181: 0.003
Loss after mini-batch	1191: 0.008
Loss after mini-batch	1201: 0.007
Loss after mini-batch	1211: 0.005
Loss after mini-batch	1221: 0.004
Loss after mini-batch	1231: 0.004
Loss after mini-batch	1241: 0.005
Loss after mini-batch	1251: 0.007

Loss after mini-batch	1261:	0.006
Loss after mini-batch	1271:	0.006
Loss after mini-batch	1281:	0.006
Loss after mini-batch	1291:	0.007
Loss after mini-batch	1301:	0.003
Loss after mini-batch	1311:	0.012
Loss after mini-batch	1321:	0.006
Loss after mini-batch	1331:	0.006
Loss after mini-batch	1341:	0.003
Loss after mini-batch	1351:	0.003
Loss after mini-batch	1361:	0.004
Loss after mini-batch	1371:	0.008
Loss after mini-batch	1381:	0.008
Loss after mini-batch	1391:	0.004
Loss after mini-batch	1401:	0.010
Loss after mini-batch	1411:	0.006
Loss after mini-batch	1421:	0.005
Loss after mini-batch	1431:	0.006
Loss after mini-batch	1441:	0.004
Loss after mini-batch	1451:	0.005
Loss after mini-batch	1461:	0.007
Loss after mini-batch	1471:	0.004
Loss after mini-batch	1481:	0.005
Loss after mini-batch	1491:	0.006
Loss after mini-batch	1501:	0.007
Loss after mini-batch	1511:	0.008
Loss after mini-batch	1521:	0.005
Loss after mini-batch	1531:	0.007
Loss after mini-batch	1541:	0.006
Loss after mini-batch	1551:	0.006
Loss after mini-batch	1561:	0.006
Loss after mini-batch	1571:	0.005
Loss after mini-batch	1581:	0.005
Loss after mini-batch	1591:	0.004
Loss after mini-batch	1601:	0.007
Loss after mini-batch	1611:	0.008
Loss after mini-batch	1621:	0.010
Loss after mini-batch	1631:	0.005
Loss after mini-batch	1641:	0.006
Loss after mini-batch	1651:	0.005
Loss after mini-batch	1661:	0.005
Loss after mini-batch	1671:	0.006
Loss after mini-batch	1681:	0.005
Loss after mini-batch	1691:	0.005
Loss after mini-batch	1701:	0.005
Loss after mini-batch	1711:	0.006
Loss after mini-batch	1721:	0.009
Loss after mini-batch	1731:	0.010

Loss after mini-batch	1741:	0.008
Loss after mini-batch	1751:	0.007
Loss after mini-batch	1761:	0.005
Loss after mini-batch	1771:	0.006
Loss after mini-batch	1781:	0.004
Loss after mini-batch	1791:	0.006
Loss after mini-batch	1801:	0.004
Loss after mini-batch	1811:	0.007
Loss after mini-batch	1821:	0.005
Loss after mini-batch	1831:	0.007
Loss after mini-batch	1841:	0.004
Loss after mini-batch	1851:	0.008
Loss after mini-batch	1861:	0.003
Loss after mini-batch	1871:	0.007
Loss after mini-batch	1881:	0.004
Loss after mini-batch	1891:	0.004
Loss after mini-batch	1901:	0.006
Loss after mini-batch	1911:	0.008
Loss after mini-batch	1921:	0.005
Loss after mini-batch	1931:	0.007
Loss after mini-batch	1941:	0.009
Loss after mini-batch	1951:	0.009
Loss after mini-batch	1961:	0.004
Loss after mini-batch	1971:	0.007
Loss after mini-batch	1981:	0.007
Loss after mini-batch	1991:	0.004
Loss after mini-batch	2001:	0.005
Loss after mini-batch	2011:	0.006
Loss after mini-batch	2021:	0.005
Loss after mini-batch	2031:	0.005
Loss after mini-batch	2041:	0.004
Loss after mini-batch	2051:	0.002
Loss after mini-batch	2061:	0.007
Loss after mini-batch	2071:	0.007
Loss after mini-batch	2081:	0.006
Loss after mini-batch	2091:	0.009
Loss after mini-batch	2101:	0.005
Loss after mini-batch	2111:	0.003
Loss after mini-batch	2121:	0.006
Loss after mini-batch	2131:	0.007
Loss after mini-batch	2141:	0.005
Loss after mini-batch	2151:	0.005
Loss after mini-batch	2161:	0.005
Loss after mini-batch	2171:	0.004
Loss after mini-batch	2181:	0.007
Loss after mini-batch	2191:	0.005
Loss after mini-batch	2201:	0.004
Loss after mini-batch	2211:	0.009

Loss after mini-batch	2221:	0.005
Loss after mini-batch	2231:	0.005
Loss after mini-batch	2241:	0.005
Loss after mini-batch	2251:	0.006
Loss after mini-batch	2261:	0.009
Loss after mini-batch	2271:	0.008
Loss after mini-batch	2281:	0.002
Loss after mini-batch	2291:	0.004
Loss after mini-batch	2301:	0.008
Loss after mini-batch	2311:	0.005
Loss after mini-batch	2321:	0.004
Loss after mini-batch	2331:	0.006
Loss after mini-batch	2341:	0.004
Loss after mini-batch	2351:	0.006
Loss after mini-batch	2361:	0.004
Loss after mini-batch	2371:	0.010
Loss after mini-batch	2381:	0.005
Loss after mini-batch	2391:	0.007
Loss after mini-batch	2401:	0.004
Loss after mini-batch	2411:	0.006
Loss after mini-batch	2421:	0.003
Loss after mini-batch	2431:	0.009
Loss after mini-batch	2441:	0.009
Loss after mini-batch	2451:	0.004
Loss after mini-batch	2461:	0.004
Loss after mini-batch	2471:	0.005
Loss after mini-batch	2481:	0.004
Loss after mini-batch	2491:	0.006
Loss after mini-batch	2501:	0.007
Loss after mini-batch	2511:	0.004
Loss after mini-batch	2521:	0.009
Loss after mini-batch	2531:	0.004
Loss after mini-batch	2541:	0.007
Loss after mini-batch	2551:	0.007
Loss after mini-batch	2561:	0.008
Loss after mini-batch	2571:	0.006
Loss after mini-batch	2581:	0.004
Loss after mini-batch	2591:	0.006
Loss after mini-batch	2601:	0.006
Loss after mini-batch	2611:	0.009
Loss after mini-batch	2621:	0.004
Loss after mini-batch	2631:	0.007
Loss after mini-batch	2641:	0.007
Loss after mini-batch	2651:	0.008
Loss after mini-batch	2661:	0.008
Loss after mini-batch	2671:	0.004
Loss after mini-batch	2681:	0.006
Loss after mini-batch	2691:	0.006



Loss after mini-batch 2701: 0.008  
Loss after mini-batch 2711: 0.009  
Loss after mini-batch 2721: 0.008  
Loss after mini-batch 2731: 0.005  
Loss after mini-batch 2741: 0.006  
Loss after mini-batch 2751: 0.005  
Loss after mini-batch 2761: 0.005  
Loss after mini-batch 2771: 0.004  
Loss after mini-batch 2781: 0.006  
Loss after mini-batch 2791: 0.006  
Loss after mini-batch 2801: 0.012  
Loss after mini-batch 2811: 0.007  
Starting epoch 13  
Loss after mini-batch 1: 0.000  
Loss after mini-batch 11: 0.004  
Loss after mini-batch 21: 0.009  
Loss after mini-batch 31: 0.007  
Loss after mini-batch 41: 0.005  
Loss after mini-batch 51: 0.005  
Loss after mini-batch 61: 0.004  
Loss after mini-batch 71: 0.006  
Loss after mini-batch 81: 0.005  
Loss after mini-batch 91: 0.007  
Loss after mini-batch 101: 0.007  
Loss after mini-batch 111: 0.006  
Loss after mini-batch 121: 0.004  
Loss after mini-batch 131: 0.005  
Loss after mini-batch 141: 0.006  
Loss after mini-batch 151: 0.003  
Loss after mini-batch 161: 0.009  
Loss after mini-batch 171: 0.004  
Loss after mini-batch 181: 0.005  
Loss after mini-batch 191: 0.005  
Loss after mini-batch 201: 0.005  
Loss after mini-batch 211: 0.006  
Loss after mini-batch 221: 0.007  
Loss after mini-batch 231: 0.007  
Loss after mini-batch 241: 0.003  
Loss after mini-batch 251: 0.006  
Loss after mini-batch 261: 0.004  
Loss after mini-batch 271: 0.006  
Loss after mini-batch 281: 0.005  
Loss after mini-batch 291: 0.004  
Loss after mini-batch 301: 0.003  
Loss after mini-batch 311: 0.006  
Loss after mini-batch 321: 0.005  
Loss after mini-batch 331: 0.006  
Loss after mini-batch 341: 0.005

Loss after mini-batch	351: 0.006
Loss after mini-batch	361: 0.004
Loss after mini-batch	371: 0.005
Loss after mini-batch	381: 0.002
Loss after mini-batch	391: 0.003
Loss after mini-batch	401: 0.006
Loss after mini-batch	411: 0.005
Loss after mini-batch	421: 0.007
Loss after mini-batch	431: 0.006
Loss after mini-batch	441: 0.006
Loss after mini-batch	451: 0.006
Loss after mini-batch	461: 0.006
Loss after mini-batch	471: 0.005
Loss after mini-batch	481: 0.005
Loss after mini-batch	491: 0.003
Loss after mini-batch	501: 0.007
Loss after mini-batch	511: 0.007
Loss after mini-batch	521: 0.006
Loss after mini-batch	531: 0.005
Loss after mini-batch	541: 0.009
Loss after mini-batch	551: 0.004
Loss after mini-batch	561: 0.006
Loss after mini-batch	571: 0.004
Loss after mini-batch	581: 0.005
Loss after mini-batch	591: 0.004
Loss after mini-batch	601: 0.007
Loss after mini-batch	611: 0.008
Loss after mini-batch	621: 0.005
Loss after mini-batch	631: 0.004
Loss after mini-batch	641: 0.007
Loss after mini-batch	651: 0.007
Loss after mini-batch	661: 0.006
Loss after mini-batch	671: 0.005
Loss after mini-batch	681: 0.005
Loss after mini-batch	691: 0.010
Loss after mini-batch	701: 0.006
Loss after mini-batch	711: 0.007
Loss after mini-batch	721: 0.007
Loss after mini-batch	731: 0.003
Loss after mini-batch	741: 0.005
Loss after mini-batch	751: 0.007
Loss after mini-batch	761: 0.004
Loss after mini-batch	771: 0.006
Loss after mini-batch	781: 0.006
Loss after mini-batch	791: 0.007
Loss after mini-batch	801: 0.005
Loss after mini-batch	811: 0.004
Loss after mini-batch	821: 0.006

Loss after mini-batch	831: 0.004
Loss after mini-batch	841: 0.006
Loss after mini-batch	851: 0.005
Loss after mini-batch	861: 0.003
Loss after mini-batch	871: 0.011
Loss after mini-batch	881: 0.007
Loss after mini-batch	891: 0.004
Loss after mini-batch	901: 0.004
Loss after mini-batch	911: 0.004
Loss after mini-batch	921: 0.008
Loss after mini-batch	931: 0.006
Loss after mini-batch	941: 0.008
Loss after mini-batch	951: 0.010
Loss after mini-batch	961: 0.004
Loss after mini-batch	971: 0.007
Loss after mini-batch	981: 0.006
Loss after mini-batch	991: 0.005
Loss after mini-batch	1001: 0.006
Loss after mini-batch	1011: 0.003
Loss after mini-batch	1021: 0.007
Loss after mini-batch	1031: 0.005
Loss after mini-batch	1041: 0.010
Loss after mini-batch	1051: 0.009
Loss after mini-batch	1061: 0.004
Loss after mini-batch	1071: 0.005
Loss after mini-batch	1081: 0.005
Loss after mini-batch	1091: 0.005
Loss after mini-batch	1101: 0.005
Loss after mini-batch	1111: 0.005
Loss after mini-batch	1121: 0.008
Loss after mini-batch	1131: 0.003
Loss after mini-batch	1141: 0.006
Loss after mini-batch	1151: 0.007
Loss after mini-batch	1161: 0.008
Loss after mini-batch	1171: 0.004
Loss after mini-batch	1181: 0.006
Loss after mini-batch	1191: 0.008
Loss after mini-batch	1201: 0.009
Loss after mini-batch	1211: 0.006
Loss after mini-batch	1221: 0.006
Loss after mini-batch	1231: 0.006
Loss after mini-batch	1241: 0.004
Loss after mini-batch	1251: 0.006
Loss after mini-batch	1261: 0.006
Loss after mini-batch	1271: 0.008
Loss after mini-batch	1281: 0.007
Loss after mini-batch	1291: 0.004
Loss after mini-batch	1301: 0.005

Loss after mini-batch	1311:	0.005
Loss after mini-batch	1321:	0.005
Loss after mini-batch	1331:	0.005
Loss after mini-batch	1341:	0.003
Loss after mini-batch	1351:	0.006
Loss after mini-batch	1361:	0.004
Loss after mini-batch	1371:	0.007
Loss after mini-batch	1381:	0.004
Loss after mini-batch	1391:	0.008
Loss after mini-batch	1401:	0.012
Loss after mini-batch	1411:	0.006
Loss after mini-batch	1421:	0.004
Loss after mini-batch	1431:	0.004
Loss after mini-batch	1441:	0.006
Loss after mini-batch	1451:	0.007
Loss after mini-batch	1461:	0.007
Loss after mini-batch	1471:	0.008
Loss after mini-batch	1481:	0.004
Loss after mini-batch	1491:	0.004
Loss after mini-batch	1501:	0.005
Loss after mini-batch	1511:	0.011
Loss after mini-batch	1521:	0.006
Loss after mini-batch	1531:	0.006
Loss after mini-batch	1541:	0.008
Loss after mini-batch	1551:	0.006
Loss after mini-batch	1561:	0.005
Loss after mini-batch	1571:	0.005
Loss after mini-batch	1581:	0.005
Loss after mini-batch	1591:	0.008
Loss after mini-batch	1601:	0.008
Loss after mini-batch	1611:	0.004
Loss after mini-batch	1621:	0.003
Loss after mini-batch	1631:	0.005
Loss after mini-batch	1641:	0.007
Loss after mini-batch	1651:	0.005
Loss after mini-batch	1661:	0.003
Loss after mini-batch	1671:	0.004
Loss after mini-batch	1681:	0.006
Loss after mini-batch	1691:	0.004
Loss after mini-batch	1701:	0.006
Loss after mini-batch	1711:	0.005
Loss after mini-batch	1721:	0.004
Loss after mini-batch	1731:	0.008
Loss after mini-batch	1741:	0.004
Loss after mini-batch	1751:	0.005
Loss after mini-batch	1761:	0.007
Loss after mini-batch	1771:	0.007
Loss after mini-batch	1781:	0.007

Loss after mini-batch	1791:	0.006
Loss after mini-batch	1801:	0.006
Loss after mini-batch	1811:	0.008
Loss after mini-batch	1821:	0.005
Loss after mini-batch	1831:	0.008
Loss after mini-batch	1841:	0.006
Loss after mini-batch	1851:	0.006
Loss after mini-batch	1861:	0.004
Loss after mini-batch	1871:	0.007
Loss after mini-batch	1881:	0.004
Loss after mini-batch	1891:	0.004
Loss after mini-batch	1901:	0.007
Loss after mini-batch	1911:	0.005
Loss after mini-batch	1921:	0.007
Loss after mini-batch	1931:	0.005
Loss after mini-batch	1941:	0.007
Loss after mini-batch	1951:	0.004
Loss after mini-batch	1961:	0.005
Loss after mini-batch	1971:	0.005
Loss after mini-batch	1981:	0.004
Loss after mini-batch	1991:	0.004
Loss after mini-batch	2001:	0.004
Loss after mini-batch	2011:	0.004
Loss after mini-batch	2021:	0.005
Loss after mini-batch	2031:	0.007
Loss after mini-batch	2041:	0.005
Loss after mini-batch	2051:	0.004
Loss after mini-batch	2061:	0.006
Loss after mini-batch	2071:	0.007
Loss after mini-batch	2081:	0.005
Loss after mini-batch	2091:	0.004
Loss after mini-batch	2101:	0.004
Loss after mini-batch	2111:	0.006
Loss after mini-batch	2121:	0.004
Loss after mini-batch	2131:	0.006
Loss after mini-batch	2141:	0.004
Loss after mini-batch	2151:	0.006
Loss after mini-batch	2161:	0.004
Loss after mini-batch	2171:	0.005
Loss after mini-batch	2181:	0.007
Loss after mini-batch	2191:	0.006
Loss after mini-batch	2201:	0.006
Loss after mini-batch	2211:	0.007
Loss after mini-batch	2221:	0.006
Loss after mini-batch	2231:	0.004
Loss after mini-batch	2241:	0.005
Loss after mini-batch	2251:	0.008
Loss after mini-batch	2261:	0.005

Loss after mini-batch	2271:	0.004
Loss after mini-batch	2281:	0.007
Loss after mini-batch	2291:	0.006
Loss after mini-batch	2301:	0.007
Loss after mini-batch	2311:	0.003
Loss after mini-batch	2321:	0.003
Loss after mini-batch	2331:	0.006
Loss after mini-batch	2341:	0.012
Loss after mini-batch	2351:	0.009
Loss after mini-batch	2361:	0.006
Loss after mini-batch	2371:	0.004
Loss after mini-batch	2381:	0.007
Loss after mini-batch	2391:	0.003
Loss after mini-batch	2401:	0.007
Loss after mini-batch	2411:	0.007
Loss after mini-batch	2421:	0.005
Loss after mini-batch	2431:	0.005
Loss after mini-batch	2441:	0.005
Loss after mini-batch	2451:	0.003
Loss after mini-batch	2461:	0.005
Loss after mini-batch	2471:	0.005
Loss after mini-batch	2481:	0.007
Loss after mini-batch	2491:	0.004
Loss after mini-batch	2501:	0.006
Loss after mini-batch	2511:	0.009
Loss after mini-batch	2521:	0.004
Loss after mini-batch	2531:	0.006
Loss after mini-batch	2541:	0.006
Loss after mini-batch	2551:	0.005
Loss after mini-batch	2561:	0.004
Loss after mini-batch	2571:	0.009
Loss after mini-batch	2581:	0.005
Loss after mini-batch	2591:	0.004
Loss after mini-batch	2601:	0.004
Loss after mini-batch	2611:	0.005
Loss after mini-batch	2621:	0.006
Loss after mini-batch	2631:	0.005
Loss after mini-batch	2641:	0.004
Loss after mini-batch	2651:	0.006
Loss after mini-batch	2661:	0.005
Loss after mini-batch	2671:	0.005
Loss after mini-batch	2681:	0.004
Loss after mini-batch	2691:	0.005
Loss after mini-batch	2701:	0.006
Loss after mini-batch	2711:	0.005
Loss after mini-batch	2721:	0.006
Loss after mini-batch	2731:	0.004
Loss after mini-batch	2741:	0.004

Loss after mini-batch 2751: 0.008  
Loss after mini-batch 2761: 0.005  
Loss after mini-batch 2771: 0.007  
Loss after mini-batch 2781: 0.005  
Loss after mini-batch 2791: 0.004  
Loss after mini-batch 2801: 0.005  
Loss after mini-batch 2811: 0.004  
Starting epoch 14  
Loss after mini-batch 1: 0.001  
Loss after mini-batch 11: 0.007  
Loss after mini-batch 21: 0.005  
Loss after mini-batch 31: 0.006  
Loss after mini-batch 41: 0.007  
Loss after mini-batch 51: 0.007  
Loss after mini-batch 61: 0.003  
Loss after mini-batch 71: 0.006  
Loss after mini-batch 81: 0.008  
Loss after mini-batch 91: 0.006  
Loss after mini-batch 101: 0.006  
Loss after mini-batch 111: 0.006  
Loss after mini-batch 121: 0.004  
Loss after mini-batch 131: 0.004  
Loss after mini-batch 141: 0.004  
Loss after mini-batch 151: 0.005  
Loss after mini-batch 161: 0.009  
Loss after mini-batch 171: 0.005  
Loss after mini-batch 181: 0.005  
Loss after mini-batch 191: 0.006  
Loss after mini-batch 201: 0.004  
Loss after mini-batch 211: 0.009  
Loss after mini-batch 221: 0.007  
Loss after mini-batch 231: 0.007  
Loss after mini-batch 241: 0.004  
Loss after mini-batch 251: 0.004  
Loss after mini-batch 261: 0.004  
Loss after mini-batch 271: 0.004  
Loss after mini-batch 281: 0.004  
Loss after mini-batch 291: 0.008  
Loss after mini-batch 301: 0.005  
Loss after mini-batch 311: 0.005  
Loss after mini-batch 321: 0.005  
Loss after mini-batch 331: 0.004  
Loss after mini-batch 341: 0.004  
Loss after mini-batch 351: 0.004  
Loss after mini-batch 361: 0.005  
Loss after mini-batch 371: 0.006  
Loss after mini-batch 381: 0.004  
Loss after mini-batch 391: 0.005

Loss after mini-batch	401: 0.005
Loss after mini-batch	411: 0.005
Loss after mini-batch	421: 0.008
Loss after mini-batch	431: 0.005
Loss after mini-batch	441: 0.006
Loss after mini-batch	451: 0.007
Loss after mini-batch	461: 0.007
Loss after mini-batch	471: 0.007
Loss after mini-batch	481: 0.007
Loss after mini-batch	491: 0.005
Loss after mini-batch	501: 0.008
Loss after mini-batch	511: 0.005
Loss after mini-batch	521: 0.007
Loss after mini-batch	531: 0.007
Loss after mini-batch	541: 0.004
Loss after mini-batch	551: 0.007
Loss after mini-batch	561: 0.005
Loss after mini-batch	571: 0.004
Loss after mini-batch	581: 0.007
Loss after mini-batch	591: 0.006
Loss after mini-batch	601: 0.005
Loss after mini-batch	611: 0.008
Loss after mini-batch	621: 0.003
Loss after mini-batch	631: 0.004
Loss after mini-batch	641: 0.004
Loss after mini-batch	651: 0.008
Loss after mini-batch	661: 0.004
Loss after mini-batch	671: 0.013
Loss after mini-batch	681: 0.007
Loss after mini-batch	691: 0.006
Loss after mini-batch	701: 0.005
Loss after mini-batch	711: 0.003
Loss after mini-batch	721: 0.009
Loss after mini-batch	731: 0.007
Loss after mini-batch	741: 0.006
Loss after mini-batch	751: 0.005
Loss after mini-batch	761: 0.005
Loss after mini-batch	771: 0.007
Loss after mini-batch	781: 0.010
Loss after mini-batch	791: 0.010
Loss after mini-batch	801: 0.004
Loss after mini-batch	811: 0.007
Loss after mini-batch	821: 0.003
Loss after mini-batch	831: 0.009
Loss after mini-batch	841: 0.007
Loss after mini-batch	851: 0.007
Loss after mini-batch	861: 0.008
Loss after mini-batch	871: 0.008



Loss after mini-batch	881:	0.006
Loss after mini-batch	891:	0.003
Loss after mini-batch	901:	0.009
Loss after mini-batch	911:	0.007
Loss after mini-batch	921:	0.004
Loss after mini-batch	931:	0.003
Loss after mini-batch	941:	0.006
Loss after mini-batch	951:	0.005
Loss after mini-batch	961:	0.008
Loss after mini-batch	971:	0.005
Loss after mini-batch	981:	0.004
Loss after mini-batch	991:	0.015
Loss after mini-batch	1001:	0.009
Loss after mini-batch	1011:	0.009
Loss after mini-batch	1021:	0.006
Loss after mini-batch	1031:	0.004
Loss after mini-batch	1041:	0.004
Loss after mini-batch	1051:	0.005
Loss after mini-batch	1061:	0.005
Loss after mini-batch	1071:	0.003
Loss after mini-batch	1081:	0.005
Loss after mini-batch	1091:	0.004
Loss after mini-batch	1101:	0.005
Loss after mini-batch	1111:	0.006
Loss after mini-batch	1121:	0.005
Loss after mini-batch	1131:	0.007
Loss after mini-batch	1141:	0.007
Loss after mini-batch	1151:	0.004
Loss after mini-batch	1161:	0.008
Loss after mini-batch	1171:	0.004
Loss after mini-batch	1181:	0.009
Loss after mini-batch	1191:	0.009
Loss after mini-batch	1201:	0.003
Loss after mini-batch	1211:	0.006
Loss after mini-batch	1221:	0.007
Loss after mini-batch	1231:	0.006
Loss after mini-batch	1241:	0.004
Loss after mini-batch	1251:	0.005
Loss after mini-batch	1261:	0.004
Loss after mini-batch	1271:	0.003
Loss after mini-batch	1281:	0.006
Loss after mini-batch	1291:	0.005
Loss after mini-batch	1301:	0.005
Loss after mini-batch	1311:	0.007
Loss after mini-batch	1321:	0.008
Loss after mini-batch	1331:	0.005
Loss after mini-batch	1341:	0.004
Loss after mini-batch	1351:	0.008

Loss after mini-batch	1361:	0.004
Loss after mini-batch	1371:	0.004
Loss after mini-batch	1381:	0.004
Loss after mini-batch	1391:	0.005
Loss after mini-batch	1401:	0.008
Loss after mini-batch	1411:	0.007
Loss after mini-batch	1421:	0.003
Loss after mini-batch	1431:	0.005
Loss after mini-batch	1441:	0.005
Loss after mini-batch	1451:	0.006
Loss after mini-batch	1461:	0.005
Loss after mini-batch	1471:	0.008
Loss after mini-batch	1481:	0.004
Loss after mini-batch	1491:	0.004
Loss after mini-batch	1501:	0.007
Loss after mini-batch	1511:	0.003
Loss after mini-batch	1521:	0.005
Loss after mini-batch	1531:	0.007
Loss after mini-batch	1541:	0.007
Loss after mini-batch	1551:	0.005
Loss after mini-batch	1561:	0.003
Loss after mini-batch	1571:	0.009
Loss after mini-batch	1581:	0.008
Loss after mini-batch	1591:	0.008
Loss after mini-batch	1601:	0.005
Loss after mini-batch	1611:	0.003
Loss after mini-batch	1621:	0.004
Loss after mini-batch	1631:	0.005
Loss after mini-batch	1641:	0.006
Loss after mini-batch	1651:	0.003
Loss after mini-batch	1661:	0.013
Loss after mini-batch	1671:	0.008
Loss after mini-batch	1681:	0.007
Loss after mini-batch	1691:	0.006
Loss after mini-batch	1701:	0.007
Loss after mini-batch	1711:	0.006
Loss after mini-batch	1721:	0.003
Loss after mini-batch	1731:	0.007
Loss after mini-batch	1741:	0.004
Loss after mini-batch	1751:	0.005
Loss after mini-batch	1761:	0.005
Loss after mini-batch	1771:	0.004
Loss after mini-batch	1781:	0.008
Loss after mini-batch	1791:	0.004
Loss after mini-batch	1801:	0.002
Loss after mini-batch	1811:	0.004
Loss after mini-batch	1821:	0.003
Loss after mini-batch	1831:	0.005

Loss after mini-batch	1841:	0.007
Loss after mini-batch	1851:	0.004
Loss after mini-batch	1861:	0.006
Loss after mini-batch	1871:	0.004
Loss after mini-batch	1881:	0.006
Loss after mini-batch	1891:	0.007
Loss after mini-batch	1901:	0.003
Loss after mini-batch	1911:	0.006
Loss after mini-batch	1921:	0.003
Loss after mini-batch	1931:	0.004
Loss after mini-batch	1941:	0.004
Loss after mini-batch	1951:	0.007
Loss after mini-batch	1961:	0.004
Loss after mini-batch	1971:	0.002
Loss after mini-batch	1981:	0.007
Loss after mini-batch	1991:	0.003
Loss after mini-batch	2001:	0.008
Loss after mini-batch	2011:	0.006
Loss after mini-batch	2021:	0.005
Loss after mini-batch	2031:	0.006
Loss after mini-batch	2041:	0.012
Loss after mini-batch	2051:	0.006
Loss after mini-batch	2061:	0.008
Loss after mini-batch	2071:	0.010
Loss after mini-batch	2081:	0.003
Loss after mini-batch	2091:	0.006
Loss after mini-batch	2101:	0.007
Loss after mini-batch	2111:	0.004
Loss after mini-batch	2121:	0.008
Loss after mini-batch	2131:	0.010
Loss after mini-batch	2141:	0.006
Loss after mini-batch	2151:	0.004
Loss after mini-batch	2161:	0.005
Loss after mini-batch	2171:	0.003
Loss after mini-batch	2181:	0.008
Loss after mini-batch	2191:	0.005
Loss after mini-batch	2201:	0.008
Loss after mini-batch	2211:	0.004
Loss after mini-batch	2221:	0.005
Loss after mini-batch	2231:	0.005
Loss after mini-batch	2241:	0.006
Loss after mini-batch	2251:	0.007
Loss after mini-batch	2261:	0.004
Loss after mini-batch	2271:	0.004
Loss after mini-batch	2281:	0.006
Loss after mini-batch	2291:	0.004
Loss after mini-batch	2301:	0.003
Loss after mini-batch	2311:	0.011

Loss after mini-batch	2321:	0.005
Loss after mini-batch	2331:	0.008
Loss after mini-batch	2341:	0.004
Loss after mini-batch	2351:	0.006
Loss after mini-batch	2361:	0.009
Loss after mini-batch	2371:	0.013
Loss after mini-batch	2381:	0.005
Loss after mini-batch	2391:	0.005
Loss after mini-batch	2401:	0.003
Loss after mini-batch	2411:	0.005
Loss after mini-batch	2421:	0.006
Loss after mini-batch	2431:	0.006
Loss after mini-batch	2441:	0.007
Loss after mini-batch	2451:	0.003
Loss after mini-batch	2461:	0.004
Loss after mini-batch	2471:	0.006
Loss after mini-batch	2481:	0.006
Loss after mini-batch	2491:	0.007
Loss after mini-batch	2501:	0.006
Loss after mini-batch	2511:	0.009
Loss after mini-batch	2521:	0.004
Loss after mini-batch	2531:	0.005
Loss after mini-batch	2541:	0.004
Loss after mini-batch	2551:	0.012
Loss after mini-batch	2561:	0.003
Loss after mini-batch	2571:	0.005
Loss after mini-batch	2581:	0.013
Loss after mini-batch	2591:	0.005
Loss after mini-batch	2601:	0.004
Loss after mini-batch	2611:	0.005
Loss after mini-batch	2621:	0.006
Loss after mini-batch	2631:	0.007
Loss after mini-batch	2641:	0.004
Loss after mini-batch	2651:	0.011
Loss after mini-batch	2661:	0.007
Loss after mini-batch	2671:	0.007
Loss after mini-batch	2681:	0.005
Loss after mini-batch	2691:	0.005
Loss after mini-batch	2701:	0.008
Loss after mini-batch	2711:	0.005
Loss after mini-batch	2721:	0.004
Loss after mini-batch	2731:	0.004
Loss after mini-batch	2741:	0.013
Loss after mini-batch	2751:	0.007
Loss after mini-batch	2761:	0.006
Loss after mini-batch	2771:	0.004
Loss after mini-batch	2781:	0.004
Loss after mini-batch	2791:	0.006

```
Loss after mini-batch 2801: 0.003
Loss after mini-batch 2811: 0.006
Starting epoch 15
Loss after mini-batch 1: 0.000
Loss after mini-batch 11: 0.004
Loss after mini-batch 21: 0.006
Loss after mini-batch 31: 0.008
Loss after mini-batch 41: 0.005
Loss after mini-batch 51: 0.006
Loss after mini-batch 61: 0.004
Loss after mini-batch 71: 0.003
Loss after mini-batch 81: 0.005
Loss after mini-batch 91: 0.006
Loss after mini-batch 101: 0.004
Loss after mini-batch 111: 0.007
Loss after mini-batch 121: 0.004
Loss after mini-batch 131: 0.003
Loss after mini-batch 141: 0.006
Loss after mini-batch 151: 0.004
Loss after mini-batch 161: 0.004
Loss after mini-batch 171: 0.004
Loss after mini-batch 181: 0.003
Loss after mini-batch 191: 0.004
Loss after mini-batch 201: 0.009
Loss after mini-batch 211: 0.004
Loss after mini-batch 221: 0.006
Loss after mini-batch 231: 0.004
Loss after mini-batch 241: 0.004
Loss after mini-batch 251: 0.008
Loss after mini-batch 261: 0.006
Loss after mini-batch 271: 0.005
Loss after mini-batch 281: 0.005
Loss after mini-batch 291: 0.004
Loss after mini-batch 301: 0.005
Loss after mini-batch 311: 0.006
Loss after mini-batch 321: 0.007
Loss after mini-batch 331: 0.008
Loss after mini-batch 341: 0.008
Loss after mini-batch 351: 0.006
Loss after mini-batch 361: 0.003
Loss after mini-batch 371: 0.005
Loss after mini-batch 381: 0.006
Loss after mini-batch 391: 0.004
Loss after mini-batch 401: 0.010
Loss after mini-batch 411: 0.003
Loss after mini-batch 421: 0.006
Loss after mini-batch 431: 0.007
Loss after mini-batch 441: 0.006
```

Loss after mini-batch	451: 0.005
Loss after mini-batch	461: 0.003
Loss after mini-batch	471: 0.005
Loss after mini-batch	481: 0.004
Loss after mini-batch	491: 0.005
Loss after mini-batch	501: 0.007
Loss after mini-batch	511: 0.005
Loss after mini-batch	521: 0.005
Loss after mini-batch	531: 0.006
Loss after mini-batch	541: 0.006
Loss after mini-batch	551: 0.004
Loss after mini-batch	561: 0.005
Loss after mini-batch	571: 0.005
Loss after mini-batch	581: 0.007
Loss after mini-batch	591: 0.005
Loss after mini-batch	601: 0.004
Loss after mini-batch	611: 0.004
Loss after mini-batch	621: 0.006
Loss after mini-batch	631: 0.006
Loss after mini-batch	641: 0.003
Loss after mini-batch	651: 0.004
Loss after mini-batch	661: 0.010
Loss after mini-batch	671: 0.005
Loss after mini-batch	681: 0.006
Loss after mini-batch	691: 0.005
Loss after mini-batch	701: 0.003
Loss after mini-batch	711: 0.006
Loss after mini-batch	721: 0.006
Loss after mini-batch	731: 0.004
Loss after mini-batch	741: 0.003
Loss after mini-batch	751: 0.005
Loss after mini-batch	761: 0.003
Loss after mini-batch	771: 0.004
Loss after mini-batch	781: 0.007
Loss after mini-batch	791: 0.008
Loss after mini-batch	801: 0.006
Loss after mini-batch	811: 0.005
Loss after mini-batch	821: 0.008
Loss after mini-batch	831: 0.005
Loss after mini-batch	841: 0.003
Loss after mini-batch	851: 0.005
Loss after mini-batch	861: 0.004
Loss after mini-batch	871: 0.006
Loss after mini-batch	881: 0.008
Loss after mini-batch	891: 0.004
Loss after mini-batch	901: 0.006
Loss after mini-batch	911: 0.008
Loss after mini-batch	921: 0.008

Loss after mini-batch	931:	0.006
Loss after mini-batch	941:	0.007
Loss after mini-batch	951:	0.004
Loss after mini-batch	961:	0.008
Loss after mini-batch	971:	0.005
Loss after mini-batch	981:	0.004
Loss after mini-batch	991:	0.006
Loss after mini-batch	1001:	0.007
Loss after mini-batch	1011:	0.004
Loss after mini-batch	1021:	0.006
Loss after mini-batch	1031:	0.003
Loss after mini-batch	1041:	0.007
Loss after mini-batch	1051:	0.005
Loss after mini-batch	1061:	0.007
Loss after mini-batch	1071:	0.003
Loss after mini-batch	1081:	0.005
Loss after mini-batch	1091:	0.010
Loss after mini-batch	1101:	0.005
Loss after mini-batch	1111:	0.004
Loss after mini-batch	1121:	0.005
Loss after mini-batch	1131:	0.005
Loss after mini-batch	1141:	0.005
Loss after mini-batch	1151:	0.004
Loss after mini-batch	1161:	0.004
Loss after mini-batch	1171:	0.004
Loss after mini-batch	1181:	0.005
Loss after mini-batch	1191:	0.006
Loss after mini-batch	1201:	0.003
Loss after mini-batch	1211:	0.006
Loss after mini-batch	1221:	0.006
Loss after mini-batch	1231:	0.004
Loss after mini-batch	1241:	0.008
Loss after mini-batch	1251:	0.003
Loss after mini-batch	1261:	0.005
Loss after mini-batch	1271:	0.007
Loss after mini-batch	1281:	0.004
Loss after mini-batch	1291:	0.006
Loss after mini-batch	1301:	0.004
Loss after mini-batch	1311:	0.005
Loss after mini-batch	1321:	0.006
Loss after mini-batch	1331:	0.005
Loss after mini-batch	1341:	0.008
Loss after mini-batch	1351:	0.004
Loss after mini-batch	1361:	0.006
Loss after mini-batch	1371:	0.004
Loss after mini-batch	1381:	0.009
Loss after mini-batch	1391:	0.005
Loss after mini-batch	1401:	0.004

Loss after mini-batch	1411:	0.006
Loss after mini-batch	1421:	0.005
Loss after mini-batch	1431:	0.003
Loss after mini-batch	1441:	0.004
Loss after mini-batch	1451:	0.007
Loss after mini-batch	1461:	0.005
Loss after mini-batch	1471:	0.006
Loss after mini-batch	1481:	0.004
Loss after mini-batch	1491:	0.007
Loss after mini-batch	1501:	0.005
Loss after mini-batch	1511:	0.010
Loss after mini-batch	1521:	0.007
Loss after mini-batch	1531:	0.006
Loss after mini-batch	1541:	0.004
Loss after mini-batch	1551:	0.006
Loss after mini-batch	1561:	0.003
Loss after mini-batch	1571:	0.005
Loss after mini-batch	1581:	0.006
Loss after mini-batch	1591:	0.005
Loss after mini-batch	1601:	0.003
Loss after mini-batch	1611:	0.005
Loss after mini-batch	1621:	0.006
Loss after mini-batch	1631:	0.005
Loss after mini-batch	1641:	0.006
Loss after mini-batch	1651:	0.007
Loss after mini-batch	1661:	0.005
Loss after mini-batch	1671:	0.006
Loss after mini-batch	1681:	0.004
Loss after mini-batch	1691:	0.004
Loss after mini-batch	1701:	0.004
Loss after mini-batch	1711:	0.004
Loss after mini-batch	1721:	0.008
Loss after mini-batch	1731:	0.007
Loss after mini-batch	1741:	0.008
Loss after mini-batch	1751:	0.004
Loss after mini-batch	1761:	0.008
Loss after mini-batch	1771:	0.006
Loss after mini-batch	1781:	0.006
Loss after mini-batch	1791:	0.005
Loss after mini-batch	1801:	0.012
Loss after mini-batch	1811:	0.003
Loss after mini-batch	1821:	0.005
Loss after mini-batch	1831:	0.008
Loss after mini-batch	1841:	0.008
Loss after mini-batch	1851:	0.009
Loss after mini-batch	1861:	0.004
Loss after mini-batch	1871:	0.009
Loss after mini-batch	1881:	0.006



Loss after mini-batch	1891:	0.007
Loss after mini-batch	1901:	0.005
Loss after mini-batch	1911:	0.006
Loss after mini-batch	1921:	0.007
Loss after mini-batch	1931:	0.003
Loss after mini-batch	1941:	0.005
Loss after mini-batch	1951:	0.004
Loss after mini-batch	1961:	0.008
Loss after mini-batch	1971:	0.005
Loss after mini-batch	1981:	0.006
Loss after mini-batch	1991:	0.007
Loss after mini-batch	2001:	0.003
Loss after mini-batch	2011:	0.006
Loss after mini-batch	2021:	0.005
Loss after mini-batch	2031:	0.004
Loss after mini-batch	2041:	0.005
Loss after mini-batch	2051:	0.004
Loss after mini-batch	2061:	0.006
Loss after mini-batch	2071:	0.004
Loss after mini-batch	2081:	0.004
Loss after mini-batch	2091:	0.007
Loss after mini-batch	2101:	0.004
Loss after mini-batch	2111:	0.006
Loss after mini-batch	2121:	0.006
Loss after mini-batch	2131:	0.005
Loss after mini-batch	2141:	0.003
Loss after mini-batch	2151:	0.006
Loss after mini-batch	2161:	0.009
Loss after mini-batch	2171:	0.009
Loss after mini-batch	2181:	0.005
Loss after mini-batch	2191:	0.004
Loss after mini-batch	2201:	0.006
Loss after mini-batch	2211:	0.004
Loss after mini-batch	2221:	0.005
Loss after mini-batch	2231:	0.004
Loss after mini-batch	2241:	0.005
Loss after mini-batch	2251:	0.004
Loss after mini-batch	2261:	0.007
Loss after mini-batch	2271:	0.006
Loss after mini-batch	2281:	0.003
Loss after mini-batch	2291:	0.004
Loss after mini-batch	2301:	0.005
Loss after mini-batch	2311:	0.006
Loss after mini-batch	2321:	0.006
Loss after mini-batch	2331:	0.008
Loss after mini-batch	2341:	0.005
Loss after mini-batch	2351:	0.004
Loss after mini-batch	2361:	0.004

```
Loss after mini-batch 2371: 0.006
Loss after mini-batch 2381: 0.009
Loss after mini-batch 2391: 0.004
Loss after mini-batch 2401: 0.006
Loss after mini-batch 2411: 0.006
Loss after mini-batch 2421: 0.003
Loss after mini-batch 2431: 0.009
Loss after mini-batch 2441: 0.003
Loss after mini-batch 2451: 0.005
Loss after mini-batch 2461: 0.004
Loss after mini-batch 2471: 0.004
Loss after mini-batch 2481: 0.006
Loss after mini-batch 2491: 0.004
Loss after mini-batch 2501: 0.005
Loss after mini-batch 2511: 0.005
Loss after mini-batch 2521: 0.007
Loss after mini-batch 2531: 0.005
Loss after mini-batch 2541: 0.006
Loss after mini-batch 2551: 0.006
Loss after mini-batch 2561: 0.004
Loss after mini-batch 2571: 0.004
Loss after mini-batch 2581: 0.004
Loss after mini-batch 2591: 0.006
Loss after mini-batch 2601: 0.005
Loss after mini-batch 2611: 0.006
Loss after mini-batch 2621: 0.008
Loss after mini-batch 2631: 0.005
Loss after mini-batch 2641: 0.008
Loss after mini-batch 2651: 0.005
Loss after mini-batch 2661: 0.006
Loss after mini-batch 2671: 0.004
Loss after mini-batch 2681: 0.004
Loss after mini-batch 2691: 0.004
Loss after mini-batch 2701: 0.003
Loss after mini-batch 2711: 0.003
Loss after mini-batch 2721: 0.007
Loss after mini-batch 2731: 0.010
Loss after mini-batch 2741: 0.004
Loss after mini-batch 2751: 0.010
Loss after mini-batch 2761: 0.003
Loss after mini-batch 2771: 0.003
Loss after mini-batch 2781: 0.006
Loss after mini-batch 2791: 0.006
Loss after mini-batch 2801: 0.005
Loss after mini-batch 2811: 0.005
Starting epoch 16
Loss after mini-batch      1: 0.001
Loss after mini-batch     11: 0.005
```

Loss after mini-batch	21: 0.004
Loss after mini-batch	31: 0.006
Loss after mini-batch	41: 0.004
Loss after mini-batch	51: 0.006
Loss after mini-batch	61: 0.004
Loss after mini-batch	71: 0.003
Loss after mini-batch	81: 0.004
Loss after mini-batch	91: 0.006
Loss after mini-batch	101: 0.007
Loss after mini-batch	111: 0.006
Loss after mini-batch	121: 0.008
Loss after mini-batch	131: 0.007
Loss after mini-batch	141: 0.007
Loss after mini-batch	151: 0.007
Loss after mini-batch	161: 0.003
Loss after mini-batch	171: 0.005
Loss after mini-batch	181: 0.008
Loss after mini-batch	191: 0.006
Loss after mini-batch	201: 0.005
Loss after mini-batch	211: 0.006
Loss after mini-batch	221: 0.010
Loss after mini-batch	231: 0.004
Loss after mini-batch	241: 0.004
Loss after mini-batch	251: 0.004
Loss after mini-batch	261: 0.008
Loss after mini-batch	271: 0.002
Loss after mini-batch	281: 0.005
Loss after mini-batch	291: 0.005
Loss after mini-batch	301: 0.005
Loss after mini-batch	311: 0.005
Loss after mini-batch	321: 0.008
Loss after mini-batch	331: 0.004
Loss after mini-batch	341: 0.006
Loss after mini-batch	351: 0.003
Loss after mini-batch	361: 0.006
Loss after mini-batch	371: 0.004
Loss after mini-batch	381: 0.008
Loss after mini-batch	391: 0.005
Loss after mini-batch	401: 0.007
Loss after mini-batch	411: 0.007
Loss after mini-batch	421: 0.006
Loss after mini-batch	431: 0.003
Loss after mini-batch	441: 0.007
Loss after mini-batch	451: 0.006
Loss after mini-batch	461: 0.005
Loss after mini-batch	471: 0.006
Loss after mini-batch	481: 0.006
Loss after mini-batch	491: 0.006

Loss after mini-batch	501: 0.006
Loss after mini-batch	511: 0.003
Loss after mini-batch	521: 0.011
Loss after mini-batch	531: 0.005
Loss after mini-batch	541: 0.003
Loss after mini-batch	551: 0.006
Loss after mini-batch	561: 0.004
Loss after mini-batch	571: 0.005
Loss after mini-batch	581: 0.006
Loss after mini-batch	591: 0.004
Loss after mini-batch	601: 0.005
Loss after mini-batch	611: 0.003
Loss after mini-batch	621: 0.011
Loss after mini-batch	631: 0.008
Loss after mini-batch	641: 0.006
Loss after mini-batch	651: 0.004
Loss after mini-batch	661: 0.005
Loss after mini-batch	671: 0.007
Loss after mini-batch	681: 0.006
Loss after mini-batch	691: 0.007
Loss after mini-batch	701: 0.004
Loss after mini-batch	711: 0.007
Loss after mini-batch	721: 0.009
Loss after mini-batch	731: 0.004
Loss after mini-batch	741: 0.005
Loss after mini-batch	751: 0.004
Loss after mini-batch	761: 0.010
Loss after mini-batch	771: 0.004
Loss after mini-batch	781: 0.005
Loss after mini-batch	791: 0.005
Loss after mini-batch	801: 0.008
Loss after mini-batch	811: 0.005
Loss after mini-batch	821: 0.012
Loss after mini-batch	831: 0.003
Loss after mini-batch	841: 0.006
Loss after mini-batch	851: 0.003
Loss after mini-batch	861: 0.004
Loss after mini-batch	871: 0.008
Loss after mini-batch	881: 0.003
Loss after mini-batch	891: 0.007
Loss after mini-batch	901: 0.010
Loss after mini-batch	911: 0.004
Loss after mini-batch	921: 0.006
Loss after mini-batch	931: 0.005
Loss after mini-batch	941: 0.004
Loss after mini-batch	951: 0.004
Loss after mini-batch	961: 0.005
Loss after mini-batch	971: 0.006

Loss after mini-batch	981:	0.005
Loss after mini-batch	991:	0.004
Loss after mini-batch	1001:	0.005
Loss after mini-batch	1011:	0.005
Loss after mini-batch	1021:	0.003
Loss after mini-batch	1031:	0.006
Loss after mini-batch	1041:	0.004
Loss after mini-batch	1051:	0.009
Loss after mini-batch	1061:	0.007
Loss after mini-batch	1071:	0.005
Loss after mini-batch	1081:	0.006
Loss after mini-batch	1091:	0.007
Loss after mini-batch	1101:	0.003
Loss after mini-batch	1111:	0.005
Loss after mini-batch	1121:	0.011
Loss after mini-batch	1131:	0.004
Loss after mini-batch	1141:	0.006
Loss after mini-batch	1151:	0.004
Loss after mini-batch	1161:	0.003
Loss after mini-batch	1171:	0.003
Loss after mini-batch	1181:	0.006
Loss after mini-batch	1191:	0.004
Loss after mini-batch	1201:	0.006
Loss after mini-batch	1211:	0.006
Loss after mini-batch	1221:	0.005
Loss after mini-batch	1231:	0.008
Loss after mini-batch	1241:	0.006
Loss after mini-batch	1251:	0.007
Loss after mini-batch	1261:	0.003
Loss after mini-batch	1271:	0.004
Loss after mini-batch	1281:	0.007
Loss after mini-batch	1291:	0.005
Loss after mini-batch	1301:	0.003
Loss after mini-batch	1311:	0.005
Loss after mini-batch	1321:	0.005
Loss after mini-batch	1331:	0.007
Loss after mini-batch	1341:	0.004
Loss after mini-batch	1351:	0.006
Loss after mini-batch	1361:	0.004
Loss after mini-batch	1371:	0.005
Loss after mini-batch	1381:	0.005
Loss after mini-batch	1391:	0.005
Loss after mini-batch	1401:	0.008
Loss after mini-batch	1411:	0.003
Loss after mini-batch	1421:	0.005
Loss after mini-batch	1431:	0.003
Loss after mini-batch	1441:	0.005
Loss after mini-batch	1451:	0.005

Loss after mini-batch	1461:	0.003
Loss after mini-batch	1471:	0.004
Loss after mini-batch	1481:	0.003
Loss after mini-batch	1491:	0.003
Loss after mini-batch	1501:	0.006
Loss after mini-batch	1511:	0.006
Loss after mini-batch	1521:	0.006
Loss after mini-batch	1531:	0.005
Loss after mini-batch	1541:	0.006
Loss after mini-batch	1551:	0.003
Loss after mini-batch	1561:	0.009
Loss after mini-batch	1571:	0.004
Loss after mini-batch	1581:	0.006
Loss after mini-batch	1591:	0.008
Loss after mini-batch	1601:	0.007
Loss after mini-batch	1611:	0.007
Loss after mini-batch	1621:	0.005
Loss after mini-batch	1631:	0.005
Loss after mini-batch	1641:	0.004
Loss after mini-batch	1651:	0.006
Loss after mini-batch	1661:	0.004
Loss after mini-batch	1671:	0.008
Loss after mini-batch	1681:	0.006
Loss after mini-batch	1691:	0.006
Loss after mini-batch	1701:	0.009
Loss after mini-batch	1711:	0.005
Loss after mini-batch	1721:	0.006
Loss after mini-batch	1731:	0.005
Loss after mini-batch	1741:	0.006
Loss after mini-batch	1751:	0.005
Loss after mini-batch	1761:	0.005
Loss after mini-batch	1771:	0.004
Loss after mini-batch	1781:	0.005
Loss after mini-batch	1791:	0.007
Loss after mini-batch	1801:	0.006
Loss after mini-batch	1811:	0.006
Loss after mini-batch	1821:	0.004
Loss after mini-batch	1831:	0.004
Loss after mini-batch	1841:	0.004
Loss after mini-batch	1851:	0.006
Loss after mini-batch	1861:	0.004
Loss after mini-batch	1871:	0.004
Loss after mini-batch	1881:	0.003
Loss after mini-batch	1891:	0.004
Loss after mini-batch	1901:	0.008
Loss after mini-batch	1911:	0.010
Loss after mini-batch	1921:	0.006
Loss after mini-batch	1931:	0.004

Loss after mini-batch	1941:	0.008
Loss after mini-batch	1951:	0.005
Loss after mini-batch	1961:	0.006
Loss after mini-batch	1971:	0.005
Loss after mini-batch	1981:	0.007
Loss after mini-batch	1991:	0.003
Loss after mini-batch	2001:	0.007
Loss after mini-batch	2011:	0.005
Loss after mini-batch	2021:	0.009
Loss after mini-batch	2031:	0.009
Loss after mini-batch	2041:	0.006
Loss after mini-batch	2051:	0.006
Loss after mini-batch	2061:	0.007
Loss after mini-batch	2071:	0.005
Loss after mini-batch	2081:	0.003
Loss after mini-batch	2091:	0.005
Loss after mini-batch	2101:	0.005
Loss after mini-batch	2111:	0.006
Loss after mini-batch	2121:	0.008
Loss after mini-batch	2131:	0.011
Loss after mini-batch	2141:	0.009
Loss after mini-batch	2151:	0.005
Loss after mini-batch	2161:	0.003
Loss after mini-batch	2171:	0.005
Loss after mini-batch	2181:	0.003
Loss after mini-batch	2191:	0.007
Loss after mini-batch	2201:	0.003
Loss after mini-batch	2211:	0.005
Loss after mini-batch	2221:	0.006
Loss after mini-batch	2231:	0.004
Loss after mini-batch	2241:	0.009
Loss after mini-batch	2251:	0.004
Loss after mini-batch	2261:	0.004
Loss after mini-batch	2271:	0.013
Loss after mini-batch	2281:	0.005
Loss after mini-batch	2291:	0.005
Loss after mini-batch	2301:	0.004
Loss after mini-batch	2311:	0.013
Loss after mini-batch	2321:	0.008
Loss after mini-batch	2331:	0.003
Loss after mini-batch	2341:	0.007
Loss after mini-batch	2351:	0.006
Loss after mini-batch	2361:	0.009
Loss after mini-batch	2371:	0.009
Loss after mini-batch	2381:	0.003
Loss after mini-batch	2391:	0.005
Loss after mini-batch	2401:	0.005
Loss after mini-batch	2411:	0.005

```

Loss after mini-batch 2421: 0.005
Loss after mini-batch 2431: 0.003
Loss after mini-batch 2441: 0.005
Loss after mini-batch 2451: 0.005
Loss after mini-batch 2461: 0.004
Loss after mini-batch 2471: 0.005
Loss after mini-batch 2481: 0.007
Loss after mini-batch 2491: 0.005
Loss after mini-batch 2501: 0.005
Loss after mini-batch 2511: 0.008
Loss after mini-batch 2521: 0.003
Loss after mini-batch 2531: 0.007
Loss after mini-batch 2541: 0.006
Loss after mini-batch 2551: 0.006
Loss after mini-batch 2561: 0.005
Loss after mini-batch 2571: 0.004
Loss after mini-batch 2581: 0.011
Loss after mini-batch 2591: 0.005
Loss after mini-batch 2601: 0.006
Loss after mini-batch 2611: 0.006
Loss after mini-batch 2621: 0.004
Loss after mini-batch 2631: 0.005
Loss after mini-batch 2641: 0.007
Loss after mini-batch 2651: 0.008
Loss after mini-batch 2661: 0.006
Loss after mini-batch 2671: 0.006
Loss after mini-batch 2681: 0.006
Loss after mini-batch 2691: 0.007
Loss after mini-batch 2701: 0.006
Loss after mini-batch 2711: 0.006
Loss after mini-batch 2721: 0.004
Loss after mini-batch 2731: 0.005
Loss after mini-batch 2741: 0.007
Loss after mini-batch 2751: 0.005
Loss after mini-batch 2761: 0.006
Loss after mini-batch 2771: 0.005
Loss after mini-batch 2781: 0.006
Loss after mini-batch 2791: 0.006
Loss after mini-batch 2801: 0.005
Loss after mini-batch 2811: 0.004
Starting epoch 17
Loss after mini-batch      1: 0.000
Loss after mini-batch     11: 0.009
Loss after mini-batch     21: 0.005
Loss after mini-batch     31: 0.008
Loss after mini-batch     41: 0.009
Loss after mini-batch     51: 0.003
Loss after mini-batch     61: 0.005

```



Loss after mini-batch	71: 0.003
Loss after mini-batch	81: 0.007
Loss after mini-batch	91: 0.006
Loss after mini-batch	101: 0.004
Loss after mini-batch	111: 0.007
Loss after mini-batch	121: 0.007
Loss after mini-batch	131: 0.005
Loss after mini-batch	141: 0.005
Loss after mini-batch	151: 0.003
Loss after mini-batch	161: 0.006
Loss after mini-batch	171: 0.006
Loss after mini-batch	181: 0.004
Loss after mini-batch	191: 0.006
Loss after mini-batch	201: 0.008
Loss after mini-batch	211: 0.005
Loss after mini-batch	221: 0.005
Loss after mini-batch	231: 0.006
Loss after mini-batch	241: 0.007
Loss after mini-batch	251: 0.004
Loss after mini-batch	261: 0.005
Loss after mini-batch	271: 0.005
Loss after mini-batch	281: 0.008
Loss after mini-batch	291: 0.007
Loss after mini-batch	301: 0.007
Loss after mini-batch	311: 0.006
Loss after mini-batch	321: 0.006
Loss after mini-batch	331: 0.003
Loss after mini-batch	341: 0.008
Loss after mini-batch	351: 0.004
Loss after mini-batch	361: 0.006
Loss after mini-batch	371: 0.005
Loss after mini-batch	381: 0.007
Loss after mini-batch	391: 0.003
Loss after mini-batch	401: 0.003
Loss after mini-batch	411: 0.006
Loss after mini-batch	421: 0.004
Loss after mini-batch	431: 0.003
Loss after mini-batch	441: 0.005
Loss after mini-batch	451: 0.004
Loss after mini-batch	461: 0.006
Loss after mini-batch	471: 0.003
Loss after mini-batch	481: 0.004
Loss after mini-batch	491: 0.006
Loss after mini-batch	501: 0.009
Loss after mini-batch	511: 0.011
Loss after mini-batch	521: 0.007
Loss after mini-batch	531: 0.008
Loss after mini-batch	541: 0.007

Loss after mini-batch	551: 0.008
Loss after mini-batch	561: 0.010
Loss after mini-batch	571: 0.006
Loss after mini-batch	581: 0.007
Loss after mini-batch	591: 0.010
Loss after mini-batch	601: 0.003
Loss after mini-batch	611: 0.005
Loss after mini-batch	621: 0.003
Loss after mini-batch	631: 0.005
Loss after mini-batch	641: 0.009
Loss after mini-batch	651: 0.004
Loss after mini-batch	661: 0.006
Loss after mini-batch	671: 0.005
Loss after mini-batch	681: 0.003
Loss after mini-batch	691: 0.007
Loss after mini-batch	701: 0.006
Loss after mini-batch	711: 0.005
Loss after mini-batch	721: 0.005
Loss after mini-batch	731: 0.004
Loss after mini-batch	741: 0.004
Loss after mini-batch	751: 0.009
Loss after mini-batch	761: 0.004
Loss after mini-batch	771: 0.006
Loss after mini-batch	781: 0.005
Loss after mini-batch	791: 0.004
Loss after mini-batch	801: 0.003
Loss after mini-batch	811: 0.005
Loss after mini-batch	821: 0.005
Loss after mini-batch	831: 0.006
Loss after mini-batch	841: 0.003
Loss after mini-batch	851: 0.004
Loss after mini-batch	861: 0.005
Loss after mini-batch	871: 0.005
Loss after mini-batch	881: 0.006
Loss after mini-batch	891: 0.004
Loss after mini-batch	901: 0.005
Loss after mini-batch	911: 0.008
Loss after mini-batch	921: 0.009
Loss after mini-batch	931: 0.007
Loss after mini-batch	941: 0.005
Loss after mini-batch	951: 0.006
Loss after mini-batch	961: 0.004
Loss after mini-batch	971: 0.005
Loss after mini-batch	981: 0.006
Loss after mini-batch	991: 0.005
Loss after mini-batch	1001: 0.004
Loss after mini-batch	1011: 0.003
Loss after mini-batch	1021: 0.004

Loss after mini-batch	1031:	0.004
Loss after mini-batch	1041:	0.004
Loss after mini-batch	1051:	0.006
Loss after mini-batch	1061:	0.006
Loss after mini-batch	1071:	0.002
Loss after mini-batch	1081:	0.004
Loss after mini-batch	1091:	0.005
Loss after mini-batch	1101:	0.004
Loss after mini-batch	1111:	0.003
Loss after mini-batch	1121:	0.007
Loss after mini-batch	1131:	0.006
Loss after mini-batch	1141:	0.006
Loss after mini-batch	1151:	0.004
Loss after mini-batch	1161:	0.009
Loss after mini-batch	1171:	0.005
Loss after mini-batch	1181:	0.004
Loss after mini-batch	1191:	0.006
Loss after mini-batch	1201:	0.004
Loss after mini-batch	1211:	0.005
Loss after mini-batch	1221:	0.005
Loss after mini-batch	1231:	0.005
Loss after mini-batch	1241:	0.008
Loss after mini-batch	1251:	0.004
Loss after mini-batch	1261:	0.006
Loss after mini-batch	1271:	0.006
Loss after mini-batch	1281:	0.003
Loss after mini-batch	1291:	0.005
Loss after mini-batch	1301:	0.005
Loss after mini-batch	1311:	0.006
Loss after mini-batch	1321:	0.003
Loss after mini-batch	1331:	0.004
Loss after mini-batch	1341:	0.004
Loss after mini-batch	1351:	0.005
Loss after mini-batch	1361:	0.007
Loss after mini-batch	1371:	0.003
Loss after mini-batch	1381:	0.006
Loss after mini-batch	1391:	0.006
Loss after mini-batch	1401:	0.005
Loss after mini-batch	1411:	0.005
Loss after mini-batch	1421:	0.003
Loss after mini-batch	1431:	0.005
Loss after mini-batch	1441:	0.006
Loss after mini-batch	1451:	0.004
Loss after mini-batch	1461:	0.007
Loss after mini-batch	1471:	0.005
Loss after mini-batch	1481:	0.004
Loss after mini-batch	1491:	0.005
Loss after mini-batch	1501:	0.006

Loss after mini-batch	1511:	0.005
Loss after mini-batch	1521:	0.005
Loss after mini-batch	1531:	0.005
Loss after mini-batch	1541:	0.003
Loss after mini-batch	1551:	0.005
Loss after mini-batch	1561:	0.005
Loss after mini-batch	1571:	0.006
Loss after mini-batch	1581:	0.006
Loss after mini-batch	1591:	0.005
Loss after mini-batch	1601:	0.007
Loss after mini-batch	1611:	0.007
Loss after mini-batch	1621:	0.006
Loss after mini-batch	1631:	0.004
Loss after mini-batch	1641:	0.006
Loss after mini-batch	1651:	0.004
Loss after mini-batch	1661:	0.005
Loss after mini-batch	1671:	0.002
Loss after mini-batch	1681:	0.005
Loss after mini-batch	1691:	0.009
Loss after mini-batch	1701:	0.006
Loss after mini-batch	1711:	0.008
Loss after mini-batch	1721:	0.004
Loss after mini-batch	1731:	0.007
Loss after mini-batch	1741:	0.006
Loss after mini-batch	1751:	0.004
Loss after mini-batch	1761:	0.008
Loss after mini-batch	1771:	0.005
Loss after mini-batch	1781:	0.004
Loss after mini-batch	1791:	0.005
Loss after mini-batch	1801:	0.007
Loss after mini-batch	1811:	0.006
Loss after mini-batch	1821:	0.005
Loss after mini-batch	1831:	0.006
Loss after mini-batch	1841:	0.004
Loss after mini-batch	1851:	0.004
Loss after mini-batch	1861:	0.004
Loss after mini-batch	1871:	0.006
Loss after mini-batch	1881:	0.005
Loss after mini-batch	1891:	0.004
Loss after mini-batch	1901:	0.008
Loss after mini-batch	1911:	0.005
Loss after mini-batch	1921:	0.006
Loss after mini-batch	1931:	0.005
Loss after mini-batch	1941:	0.009
Loss after mini-batch	1951:	0.004
Loss after mini-batch	1961:	0.005
Loss after mini-batch	1971:	0.005
Loss after mini-batch	1981:	0.005

Loss after mini-batch	1991:	0.003
Loss after mini-batch	2001:	0.007
Loss after mini-batch	2011:	0.005
Loss after mini-batch	2021:	0.006
Loss after mini-batch	2031:	0.007
Loss after mini-batch	2041:	0.004
Loss after mini-batch	2051:	0.004
Loss after mini-batch	2061:	0.004
Loss after mini-batch	2071:	0.003
Loss after mini-batch	2081:	0.003
Loss after mini-batch	2091:	0.004
Loss after mini-batch	2101:	0.004
Loss after mini-batch	2111:	0.006
Loss after mini-batch	2121:	0.007
Loss after mini-batch	2131:	0.003
Loss after mini-batch	2141:	0.005
Loss after mini-batch	2151:	0.003
Loss after mini-batch	2161:	0.006
Loss after mini-batch	2171:	0.005
Loss after mini-batch	2181:	0.007
Loss after mini-batch	2191:	0.008
Loss after mini-batch	2201:	0.007
Loss after mini-batch	2211:	0.005
Loss after mini-batch	2221:	0.006
Loss after mini-batch	2231:	0.008
Loss after mini-batch	2241:	0.005
Loss after mini-batch	2251:	0.003
Loss after mini-batch	2261:	0.005
Loss after mini-batch	2271:	0.004
Loss after mini-batch	2281:	0.004
Loss after mini-batch	2291:	0.006
Loss after mini-batch	2301:	0.006
Loss after mini-batch	2311:	0.005
Loss after mini-batch	2321:	0.004
Loss after mini-batch	2331:	0.008
Loss after mini-batch	2341:	0.006
Loss after mini-batch	2351:	0.005
Loss after mini-batch	2361:	0.006
Loss after mini-batch	2371:	0.004
Loss after mini-batch	2381:	0.005
Loss after mini-batch	2391:	0.005
Loss after mini-batch	2401:	0.006
Loss after mini-batch	2411:	0.006
Loss after mini-batch	2421:	0.006
Loss after mini-batch	2431:	0.005
Loss after mini-batch	2441:	0.004
Loss after mini-batch	2451:	0.006
Loss after mini-batch	2461:	0.005

```
Loss after mini-batch 2471: 0.005
Loss after mini-batch 2481: 0.003
Loss after mini-batch 2491: 0.003
Loss after mini-batch 2501: 0.006
Loss after mini-batch 2511: 0.005
Loss after mini-batch 2521: 0.005
Loss after mini-batch 2531: 0.007
Loss after mini-batch 2541: 0.004
Loss after mini-batch 2551: 0.009
Loss after mini-batch 2561: 0.009
Loss after mini-batch 2571: 0.004
Loss after mini-batch 2581: 0.009
Loss after mini-batch 2591: 0.007
Loss after mini-batch 2601: 0.006
Loss after mini-batch 2611: 0.005
Loss after mini-batch 2621: 0.005
Loss after mini-batch 2631: 0.003
Loss after mini-batch 2641: 0.005
Loss after mini-batch 2651: 0.005
Loss after mini-batch 2661: 0.008
Loss after mini-batch 2671: 0.008
Loss after mini-batch 2681: 0.006
Loss after mini-batch 2691: 0.003
Loss after mini-batch 2701: 0.008
Loss after mini-batch 2711: 0.003
Loss after mini-batch 2721: 0.004
Loss after mini-batch 2731: 0.006
Loss after mini-batch 2741: 0.005
Loss after mini-batch 2751: 0.006
Loss after mini-batch 2761: 0.005
Loss after mini-batch 2771: 0.004
Loss after mini-batch 2781: 0.006
Loss after mini-batch 2791: 0.004
Loss after mini-batch 2801: 0.004
Loss after mini-batch 2811: 0.006
Starting epoch 18
Loss after mini-batch 1: 0.000
Loss after mini-batch 11: 0.008
Loss after mini-batch 21: 0.006
Loss after mini-batch 31: 0.005
Loss after mini-batch 41: 0.008
Loss after mini-batch 51: 0.005
Loss after mini-batch 61: 0.005
Loss after mini-batch 71: 0.004
Loss after mini-batch 81: 0.006
Loss after mini-batch 91: 0.006
Loss after mini-batch 101: 0.006
Loss after mini-batch 111: 0.009
```

Loss after mini-batch	121: 0.008
Loss after mini-batch	131: 0.004
Loss after mini-batch	141: 0.006
Loss after mini-batch	151: 0.005
Loss after mini-batch	161: 0.005
Loss after mini-batch	171: 0.006
Loss after mini-batch	181: 0.005
Loss after mini-batch	191: 0.004
Loss after mini-batch	201: 0.005
Loss after mini-batch	211: 0.005
Loss after mini-batch	221: 0.012
Loss after mini-batch	231: 0.007
Loss after mini-batch	241: 0.005
Loss after mini-batch	251: 0.006
Loss after mini-batch	261: 0.008
Loss after mini-batch	271: 0.004
Loss after mini-batch	281: 0.013
Loss after mini-batch	291: 0.007
Loss after mini-batch	301: 0.004
Loss after mini-batch	311: 0.006
Loss after mini-batch	321: 0.004
Loss after mini-batch	331: 0.004
Loss after mini-batch	341: 0.006
Loss after mini-batch	351: 0.003
Loss after mini-batch	361: 0.005
Loss after mini-batch	371: 0.007
Loss after mini-batch	381: 0.007
Loss after mini-batch	391: 0.006
Loss after mini-batch	401: 0.004
Loss after mini-batch	411: 0.008
Loss after mini-batch	421: 0.005
Loss after mini-batch	431: 0.011
Loss after mini-batch	441: 0.004
Loss after mini-batch	451: 0.005
Loss after mini-batch	461: 0.006
Loss after mini-batch	471: 0.004
Loss after mini-batch	481: 0.003
Loss after mini-batch	491: 0.009
Loss after mini-batch	501: 0.006
Loss after mini-batch	511: 0.005
Loss after mini-batch	521: 0.004
Loss after mini-batch	531: 0.005
Loss after mini-batch	541: 0.006
Loss after mini-batch	551: 0.007
Loss after mini-batch	561: 0.005
Loss after mini-batch	571: 0.010
Loss after mini-batch	581: 0.004
Loss after mini-batch	591: 0.004

Loss after mini-batch	601: 0.004
Loss after mini-batch	611: 0.005
Loss after mini-batch	621: 0.006
Loss after mini-batch	631: 0.004
Loss after mini-batch	641: 0.004
Loss after mini-batch	651: 0.006
Loss after mini-batch	661: 0.007
Loss after mini-batch	671: 0.005
Loss after mini-batch	681: 0.005
Loss after mini-batch	691: 0.008
Loss after mini-batch	701: 0.006
Loss after mini-batch	711: 0.005
Loss after mini-batch	721: 0.004
Loss after mini-batch	731: 0.008
Loss after mini-batch	741: 0.006
Loss after mini-batch	751: 0.005
Loss after mini-batch	761: 0.007
Loss after mini-batch	771: 0.003
Loss after mini-batch	781: 0.004
Loss after mini-batch	791: 0.005
Loss after mini-batch	801: 0.006
Loss after mini-batch	811: 0.005
Loss after mini-batch	821: 0.007
Loss after mini-batch	831: 0.005
Loss after mini-batch	841: 0.004
Loss after mini-batch	851: 0.003
Loss after mini-batch	861: 0.006
Loss after mini-batch	871: 0.004
Loss after mini-batch	881: 0.008
Loss after mini-batch	891: 0.005
Loss after mini-batch	901: 0.004
Loss after mini-batch	911: 0.005
Loss after mini-batch	921: 0.004
Loss after mini-batch	931: 0.006
Loss after mini-batch	941: 0.010
Loss after mini-batch	951: 0.004
Loss after mini-batch	961: 0.008
Loss after mini-batch	971: 0.007
Loss after mini-batch	981: 0.003
Loss after mini-batch	991: 0.004
Loss after mini-batch	1001: 0.007
Loss after mini-batch	1011: 0.006
Loss after mini-batch	1021: 0.009
Loss after mini-batch	1031: 0.003
Loss after mini-batch	1041: 0.004
Loss after mini-batch	1051: 0.005
Loss after mini-batch	1061: 0.005
Loss after mini-batch	1071: 0.003



Loss after mini-batch	1081:	0.006
Loss after mini-batch	1091:	0.004
Loss after mini-batch	1101:	0.005
Loss after mini-batch	1111:	0.003
Loss after mini-batch	1121:	0.004
Loss after mini-batch	1131:	0.007
Loss after mini-batch	1141:	0.005
Loss after mini-batch	1151:	0.005
Loss after mini-batch	1161:	0.009
Loss after mini-batch	1171:	0.003
Loss after mini-batch	1181:	0.005
Loss after mini-batch	1191:	0.005
Loss after mini-batch	1201:	0.006
Loss after mini-batch	1211:	0.007
Loss after mini-batch	1221:	0.005
Loss after mini-batch	1231:	0.005
Loss after mini-batch	1241:	0.006
Loss after mini-batch	1251:	0.006
Loss after mini-batch	1261:	0.005
Loss after mini-batch	1271:	0.004
Loss after mini-batch	1281:	0.003
Loss after mini-batch	1291:	0.003
Loss after mini-batch	1301:	0.008
Loss after mini-batch	1311:	0.008
Loss after mini-batch	1321:	0.005
Loss after mini-batch	1331:	0.005
Loss after mini-batch	1341:	0.006
Loss after mini-batch	1351:	0.006
Loss after mini-batch	1361:	0.005
Loss after mini-batch	1371:	0.008
Loss after mini-batch	1381:	0.004
Loss after mini-batch	1391:	0.005
Loss after mini-batch	1401:	0.005
Loss after mini-batch	1411:	0.003
Loss after mini-batch	1421:	0.004
Loss after mini-batch	1431:	0.003
Loss after mini-batch	1441:	0.003
Loss after mini-batch	1451:	0.005
Loss after mini-batch	1461:	0.005
Loss after mini-batch	1471:	0.004
Loss after mini-batch	1481:	0.005
Loss after mini-batch	1491:	0.006
Loss after mini-batch	1501:	0.003
Loss after mini-batch	1511:	0.005
Loss after mini-batch	1521:	0.007
Loss after mini-batch	1531:	0.007
Loss after mini-batch	1541:	0.004
Loss after mini-batch	1551:	0.008

Loss after mini-batch	1561:	0.003
Loss after mini-batch	1571:	0.008
Loss after mini-batch	1581:	0.006
Loss after mini-batch	1591:	0.005
Loss after mini-batch	1601:	0.004
Loss after mini-batch	1611:	0.014
Loss after mini-batch	1621:	0.007
Loss after mini-batch	1631:	0.003
Loss after mini-batch	1641:	0.006
Loss after mini-batch	1651:	0.007
Loss after mini-batch	1661:	0.005
Loss after mini-batch	1671:	0.006
Loss after mini-batch	1681:	0.004
Loss after mini-batch	1691:	0.007
Loss after mini-batch	1701:	0.006
Loss after mini-batch	1711:	0.004
Loss after mini-batch	1721:	0.005
Loss after mini-batch	1731:	0.003
Loss after mini-batch	1741:	0.005
Loss after mini-batch	1751:	0.005
Loss after mini-batch	1761:	0.006
Loss after mini-batch	1771:	0.005
Loss after mini-batch	1781:	0.005
Loss after mini-batch	1791:	0.008
Loss after mini-batch	1801:	0.005
Loss after mini-batch	1811:	0.006
Loss after mini-batch	1821:	0.003
Loss after mini-batch	1831:	0.006
Loss after mini-batch	1841:	0.005
Loss after mini-batch	1851:	0.007
Loss after mini-batch	1861:	0.005
Loss after mini-batch	1871:	0.010
Loss after mini-batch	1881:	0.008
Loss after mini-batch	1891:	0.006
Loss after mini-batch	1901:	0.006
Loss after mini-batch	1911:	0.006
Loss after mini-batch	1921:	0.008
Loss after mini-batch	1931:	0.005
Loss after mini-batch	1941:	0.005
Loss after mini-batch	1951:	0.006
Loss after mini-batch	1961:	0.005
Loss after mini-batch	1971:	0.007
Loss after mini-batch	1981:	0.006
Loss after mini-batch	1991:	0.007
Loss after mini-batch	2001:	0.005
Loss after mini-batch	2011:	0.008
Loss after mini-batch	2021:	0.007
Loss after mini-batch	2031:	0.004

Loss after mini-batch	2041:	0.005
Loss after mini-batch	2051:	0.004
Loss after mini-batch	2061:	0.004
Loss after mini-batch	2071:	0.005
Loss after mini-batch	2081:	0.007
Loss after mini-batch	2091:	0.004
Loss after mini-batch	2101:	0.006
Loss after mini-batch	2111:	0.004
Loss after mini-batch	2121:	0.004
Loss after mini-batch	2131:	0.006
Loss after mini-batch	2141:	0.006
Loss after mini-batch	2151:	0.006
Loss after mini-batch	2161:	0.006
Loss after mini-batch	2171:	0.008
Loss after mini-batch	2181:	0.005
Loss after mini-batch	2191:	0.004
Loss after mini-batch	2201:	0.011
Loss after mini-batch	2211:	0.004
Loss after mini-batch	2221:	0.007
Loss after mini-batch	2231:	0.006
Loss after mini-batch	2241:	0.004
Loss after mini-batch	2251:	0.004
Loss after mini-batch	2261:	0.004
Loss after mini-batch	2271:	0.006
Loss after mini-batch	2281:	0.005
Loss after mini-batch	2291:	0.004
Loss after mini-batch	2301:	0.005
Loss after mini-batch	2311:	0.004
Loss after mini-batch	2321:	0.005
Loss after mini-batch	2331:	0.006
Loss after mini-batch	2341:	0.004
Loss after mini-batch	2351:	0.007
Loss after mini-batch	2361:	0.006
Loss after mini-batch	2371:	0.006
Loss after mini-batch	2381:	0.006
Loss after mini-batch	2391:	0.006
Loss after mini-batch	2401:	0.004
Loss after mini-batch	2411:	0.005
Loss after mini-batch	2421:	0.004
Loss after mini-batch	2431:	0.005
Loss after mini-batch	2441:	0.004
Loss after mini-batch	2451:	0.005
Loss after mini-batch	2461:	0.007
Loss after mini-batch	2471:	0.004
Loss after mini-batch	2481:	0.004
Loss after mini-batch	2491:	0.004
Loss after mini-batch	2501:	0.003
Loss after mini-batch	2511:	0.003

```

Loss after mini-batch 2521: 0.006
Loss after mini-batch 2531: 0.004
Loss after mini-batch 2541: 0.008
Loss after mini-batch 2551: 0.003
Loss after mini-batch 2561: 0.004
Loss after mini-batch 2571: 0.004
Loss after mini-batch 2581: 0.004
Loss after mini-batch 2591: 0.007
Loss after mini-batch 2601: 0.008
Loss after mini-batch 2611: 0.008
Loss after mini-batch 2621: 0.003
Loss after mini-batch 2631: 0.004
Loss after mini-batch 2641: 0.006
Loss after mini-batch 2651: 0.005
Loss after mini-batch 2661: 0.005
Loss after mini-batch 2671: 0.006
Loss after mini-batch 2681: 0.004
Loss after mini-batch 2691: 0.006
Loss after mini-batch 2701: 0.007
Loss after mini-batch 2711: 0.004
Loss after mini-batch 2721: 0.003
Loss after mini-batch 2731: 0.006
Loss after mini-batch 2741: 0.005
Loss after mini-batch 2751: 0.003
Loss after mini-batch 2761: 0.004
Loss after mini-batch 2771: 0.005
Loss after mini-batch 2781: 0.004
Loss after mini-batch 2791: 0.003
Loss after mini-batch 2801: 0.007
Loss after mini-batch 2811: 0.007
Starting epoch 19
Loss after mini-batch      1: 0.001
Loss after mini-batch     11: 0.005
Loss after mini-batch     21: 0.007
Loss after mini-batch     31: 0.004
Loss after mini-batch     41: 0.008
Loss after mini-batch     51: 0.003
Loss after mini-batch     61: 0.005
Loss after mini-batch     71: 0.006
Loss after mini-batch     81: 0.005
Loss after mini-batch     91: 0.005
Loss after mini-batch    101: 0.004
Loss after mini-batch    111: 0.003
Loss after mini-batch    121: 0.004
Loss after mini-batch    131: 0.005
Loss after mini-batch    141: 0.004
Loss after mini-batch    151: 0.006
Loss after mini-batch    161: 0.007

```

Loss after mini-batch	171: 0.003
Loss after mini-batch	181: 0.006
Loss after mini-batch	191: 0.006
Loss after mini-batch	201: 0.007
Loss after mini-batch	211: 0.009
Loss after mini-batch	221: 0.005
Loss after mini-batch	231: 0.006
Loss after mini-batch	241: 0.006
Loss after mini-batch	251: 0.005
Loss after mini-batch	261: 0.004
Loss after mini-batch	271: 0.004
Loss after mini-batch	281: 0.005
Loss after mini-batch	291: 0.005
Loss after mini-batch	301: 0.007
Loss after mini-batch	311: 0.003
Loss after mini-batch	321: 0.006
Loss after mini-batch	331: 0.004
Loss after mini-batch	341: 0.004
Loss after mini-batch	351: 0.004
Loss after mini-batch	361: 0.005
Loss after mini-batch	371: 0.006
Loss after mini-batch	381: 0.005
Loss after mini-batch	391: 0.004
Loss after mini-batch	401: 0.004
Loss after mini-batch	411: 0.004
Loss after mini-batch	421: 0.004
Loss after mini-batch	431: 0.004
Loss after mini-batch	441: 0.004
Loss after mini-batch	451: 0.008
Loss after mini-batch	461: 0.005
Loss after mini-batch	471: 0.004
Loss after mini-batch	481: 0.005
Loss after mini-batch	491: 0.005
Loss after mini-batch	501: 0.007
Loss after mini-batch	511: 0.008
Loss after mini-batch	521: 0.008
Loss after mini-batch	531: 0.002
Loss after mini-batch	541: 0.006
Loss after mini-batch	551: 0.006
Loss after mini-batch	561: 0.004
Loss after mini-batch	571: 0.007
Loss after mini-batch	581: 0.006
Loss after mini-batch	591: 0.005
Loss after mini-batch	601: 0.007
Loss after mini-batch	611: 0.005
Loss after mini-batch	621: 0.003
Loss after mini-batch	631: 0.004
Loss after mini-batch	641: 0.004

Loss after mini-batch	651: 0.004
Loss after mini-batch	661: 0.007
Loss after mini-batch	671: 0.004
Loss after mini-batch	681: 0.005
Loss after mini-batch	691: 0.006
Loss after mini-batch	701: 0.004
Loss after mini-batch	711: 0.005
Loss after mini-batch	721: 0.006
Loss after mini-batch	731: 0.005
Loss after mini-batch	741: 0.006
Loss after mini-batch	751: 0.005
Loss after mini-batch	761: 0.007
Loss after mini-batch	771: 0.004
Loss after mini-batch	781: 0.006
Loss after mini-batch	791: 0.005
Loss after mini-batch	801: 0.007
Loss after mini-batch	811: 0.006
Loss after mini-batch	821: 0.005
Loss after mini-batch	831: 0.004
Loss after mini-batch	841: 0.006
Loss after mini-batch	851: 0.007
Loss after mini-batch	861: 0.006
Loss after mini-batch	871: 0.005
Loss after mini-batch	881: 0.004
Loss after mini-batch	891: 0.006
Loss after mini-batch	901: 0.008
Loss after mini-batch	911: 0.004
Loss after mini-batch	921: 0.010
Loss after mini-batch	931: 0.004
Loss after mini-batch	941: 0.004
Loss after mini-batch	951: 0.006
Loss after mini-batch	961: 0.005
Loss after mini-batch	971: 0.003
Loss after mini-batch	981: 0.006
Loss after mini-batch	991: 0.003
Loss after mini-batch	1001: 0.006
Loss after mini-batch	1011: 0.004
Loss after mini-batch	1021: 0.005
Loss after mini-batch	1031: 0.006
Loss after mini-batch	1041: 0.004
Loss after mini-batch	1051: 0.004
Loss after mini-batch	1061: 0.003
Loss after mini-batch	1071: 0.005
Loss after mini-batch	1081: 0.008
Loss after mini-batch	1091: 0.004
Loss after mini-batch	1101: 0.007
Loss after mini-batch	1111: 0.008
Loss after mini-batch	1121: 0.005

Loss after mini-batch	1131:	0.005
Loss after mini-batch	1141:	0.006
Loss after mini-batch	1151:	0.004
Loss after mini-batch	1161:	0.004
Loss after mini-batch	1171:	0.006
Loss after mini-batch	1181:	0.006
Loss after mini-batch	1191:	0.004
Loss after mini-batch	1201:	0.004
Loss after mini-batch	1211:	0.004
Loss after mini-batch	1221:	0.004
Loss after mini-batch	1231:	0.006
Loss after mini-batch	1241:	0.003
Loss after mini-batch	1251:	0.007
Loss after mini-batch	1261:	0.006
Loss after mini-batch	1271:	0.007
Loss after mini-batch	1281:	0.006
Loss after mini-batch	1291:	0.007
Loss after mini-batch	1301:	0.005
Loss after mini-batch	1311:	0.005
Loss after mini-batch	1321:	0.003
Loss after mini-batch	1331:	0.004
Loss after mini-batch	1341:	0.008
Loss after mini-batch	1351:	0.003
Loss after mini-batch	1361:	0.004
Loss after mini-batch	1371:	0.008
Loss after mini-batch	1381:	0.005
Loss after mini-batch	1391:	0.007
Loss after mini-batch	1401:	0.007
Loss after mini-batch	1411:	0.007
Loss after mini-batch	1421:	0.008
Loss after mini-batch	1431:	0.007
Loss after mini-batch	1441:	0.006
Loss after mini-batch	1451:	0.005
Loss after mini-batch	1461:	0.006
Loss after mini-batch	1471:	0.007
Loss after mini-batch	1481:	0.005
Loss after mini-batch	1491:	0.004
Loss after mini-batch	1501:	0.006
Loss after mini-batch	1511:	0.004
Loss after mini-batch	1521:	0.007
Loss after mini-batch	1531:	0.005
Loss after mini-batch	1541:	0.005
Loss after mini-batch	1551:	0.006
Loss after mini-batch	1561:	0.005
Loss after mini-batch	1571:	0.005
Loss after mini-batch	1581:	0.005
Loss after mini-batch	1591:	0.005
Loss after mini-batch	1601:	0.007

Loss after mini-batch	1611:	0.005
Loss after mini-batch	1621:	0.006
Loss after mini-batch	1631:	0.005
Loss after mini-batch	1641:	0.012
Loss after mini-batch	1651:	0.006
Loss after mini-batch	1661:	0.007
Loss after mini-batch	1671:	0.004
Loss after mini-batch	1681:	0.005
Loss after mini-batch	1691:	0.007
Loss after mini-batch	1701:	0.007
Loss after mini-batch	1711:	0.004
Loss after mini-batch	1721:	0.005
Loss after mini-batch	1731:	0.005
Loss after mini-batch	1741:	0.005
Loss after mini-batch	1751:	0.009
Loss after mini-batch	1761:	0.003
Loss after mini-batch	1771:	0.005
Loss after mini-batch	1781:	0.006
Loss after mini-batch	1791:	0.004
Loss after mini-batch	1801:	0.006
Loss after mini-batch	1811:	0.005
Loss after mini-batch	1821:	0.006
Loss after mini-batch	1831:	0.003
Loss after mini-batch	1841:	0.004
Loss after mini-batch	1851:	0.002
Loss after mini-batch	1861:	0.005
Loss after mini-batch	1871:	0.005
Loss after mini-batch	1881:	0.007
Loss after mini-batch	1891:	0.005
Loss after mini-batch	1901:	0.006
Loss after mini-batch	1911:	0.006
Loss after mini-batch	1921:	0.005
Loss after mini-batch	1931:	0.009
Loss after mini-batch	1941:	0.006
Loss after mini-batch	1951:	0.003
Loss after mini-batch	1961:	0.006
Loss after mini-batch	1971:	0.005
Loss after mini-batch	1981:	0.005
Loss after mini-batch	1991:	0.004
Loss after mini-batch	2001:	0.005
Loss after mini-batch	2011:	0.007
Loss after mini-batch	2021:	0.005
Loss after mini-batch	2031:	0.003
Loss after mini-batch	2041:	0.005
Loss after mini-batch	2051:	0.003
Loss after mini-batch	2061:	0.005
Loss after mini-batch	2071:	0.002
Loss after mini-batch	2081:	0.005



Loss after mini-batch	2091:	0.005
Loss after mini-batch	2101:	0.004
Loss after mini-batch	2111:	0.007
Loss after mini-batch	2121:	0.007
Loss after mini-batch	2131:	0.005
Loss after mini-batch	2141:	0.009
Loss after mini-batch	2151:	0.004
Loss after mini-batch	2161:	0.006
Loss after mini-batch	2171:	0.005
Loss after mini-batch	2181:	0.004
Loss after mini-batch	2191:	0.007
Loss after mini-batch	2201:	0.005
Loss after mini-batch	2211:	0.003
Loss after mini-batch	2221:	0.006
Loss after mini-batch	2231:	0.008
Loss after mini-batch	2241:	0.006
Loss after mini-batch	2251:	0.004
Loss after mini-batch	2261:	0.007
Loss after mini-batch	2271:	0.003
Loss after mini-batch	2281:	0.011
Loss after mini-batch	2291:	0.003
Loss after mini-batch	2301:	0.010
Loss after mini-batch	2311:	0.007
Loss after mini-batch	2321:	0.005
Loss after mini-batch	2331:	0.005
Loss after mini-batch	2341:	0.005
Loss after mini-batch	2351:	0.004
Loss after mini-batch	2361:	0.003
Loss after mini-batch	2371:	0.005
Loss after mini-batch	2381:	0.006
Loss after mini-batch	2391:	0.008
Loss after mini-batch	2401:	0.006
Loss after mini-batch	2411:	0.003
Loss after mini-batch	2421:	0.005
Loss after mini-batch	2431:	0.004
Loss after mini-batch	2441:	0.003
Loss after mini-batch	2451:	0.006
Loss after mini-batch	2461:	0.004
Loss after mini-batch	2471:	0.004
Loss after mini-batch	2481:	0.006
Loss after mini-batch	2491:	0.003
Loss after mini-batch	2501:	0.005
Loss after mini-batch	2511:	0.007
Loss after mini-batch	2521:	0.004
Loss after mini-batch	2531:	0.003
Loss after mini-batch	2541:	0.005
Loss after mini-batch	2551:	0.008
Loss after mini-batch	2561:	0.007

Loss after mini-batch	2571:	0.006
Loss after mini-batch	2581:	0.005
Loss after mini-batch	2591:	0.005
Loss after mini-batch	2601:	0.005
Loss after mini-batch	2611:	0.007
Loss after mini-batch	2621:	0.004
Loss after mini-batch	2631:	0.005
Loss after mini-batch	2641:	0.005
Loss after mini-batch	2651:	0.006
Loss after mini-batch	2661:	0.003
Loss after mini-batch	2671:	0.005
Loss after mini-batch	2681:	0.006
Loss after mini-batch	2691:	0.004
Loss after mini-batch	2701:	0.007
Loss after mini-batch	2711:	0.004
Loss after mini-batch	2721:	0.005
Loss after mini-batch	2731:	0.004
Loss after mini-batch	2741:	0.004
Loss after mini-batch	2751:	0.007
Loss after mini-batch	2761:	0.005
Loss after mini-batch	2771:	0.004
Loss after mini-batch	2781:	0.007
Loss after mini-batch	2791:	0.008
Loss after mini-batch	2801:	0.005
Loss after mini-batch	2811:	0.004
Starting epoch 20		
Loss after mini-batch	1:	0.000
Loss after mini-batch	11:	0.005
Loss after mini-batch	21:	0.004
Loss after mini-batch	31:	0.011
Loss after mini-batch	41:	0.004
Loss after mini-batch	51:	0.004
Loss after mini-batch	61:	0.005
Loss after mini-batch	71:	0.005
Loss after mini-batch	81:	0.006
Loss after mini-batch	91:	0.003
Loss after mini-batch	101:	0.008
Loss after mini-batch	111:	0.004
Loss after mini-batch	121:	0.006
Loss after mini-batch	131:	0.004
Loss after mini-batch	141:	0.006
Loss after mini-batch	151:	0.005
Loss after mini-batch	161:	0.003
Loss after mini-batch	171:	0.004
Loss after mini-batch	181:	0.004
Loss after mini-batch	191:	0.008
Loss after mini-batch	201:	0.005
Loss after mini-batch	211:	0.006

Loss after mini-batch	221: 0.003
Loss after mini-batch	231: 0.007
Loss after mini-batch	241: 0.004
Loss after mini-batch	251: 0.010
Loss after mini-batch	261: 0.004
Loss after mini-batch	271: 0.006
Loss after mini-batch	281: 0.003
Loss after mini-batch	291: 0.004
Loss after mini-batch	301: 0.007
Loss after mini-batch	311: 0.008
Loss after mini-batch	321: 0.004
Loss after mini-batch	331: 0.003
Loss after mini-batch	341: 0.007
Loss after mini-batch	351: 0.008
Loss after mini-batch	361: 0.006
Loss after mini-batch	371: 0.007
Loss after mini-batch	381: 0.008
Loss after mini-batch	391: 0.006
Loss after mini-batch	401: 0.003
Loss after mini-batch	411: 0.005
Loss after mini-batch	421: 0.009
Loss after mini-batch	431: 0.006
Loss after mini-batch	441: 0.003
Loss after mini-batch	451: 0.005
Loss after mini-batch	461: 0.006
Loss after mini-batch	471: 0.008
Loss after mini-batch	481: 0.007
Loss after mini-batch	491: 0.004
Loss after mini-batch	501: 0.007
Loss after mini-batch	511: 0.007
Loss after mini-batch	521: 0.005
Loss after mini-batch	531: 0.006
Loss after mini-batch	541: 0.004
Loss after mini-batch	551: 0.004
Loss after mini-batch	561: 0.009
Loss after mini-batch	571: 0.004
Loss after mini-batch	581: 0.003
Loss after mini-batch	591: 0.006
Loss after mini-batch	601: 0.004
Loss after mini-batch	611: 0.004
Loss after mini-batch	621: 0.005
Loss after mini-batch	631: 0.003
Loss after mini-batch	641: 0.004
Loss after mini-batch	651: 0.003
Loss after mini-batch	661: 0.003
Loss after mini-batch	671: 0.004
Loss after mini-batch	681: 0.005
Loss after mini-batch	691: 0.004

Loss after mini-batch	701:	0.004
Loss after mini-batch	711:	0.004
Loss after mini-batch	721:	0.004
Loss after mini-batch	731:	0.003
Loss after mini-batch	741:	0.004
Loss after mini-batch	751:	0.006
Loss after mini-batch	761:	0.004
Loss after mini-batch	771:	0.004
Loss after mini-batch	781:	0.004
Loss after mini-batch	791:	0.004
Loss after mini-batch	801:	0.005
Loss after mini-batch	811:	0.005
Loss after mini-batch	821:	0.004
Loss after mini-batch	831:	0.004
Loss after mini-batch	841:	0.006
Loss after mini-batch	851:	0.005
Loss after mini-batch	861:	0.006
Loss after mini-batch	871:	0.005
Loss after mini-batch	881:	0.004
Loss after mini-batch	891:	0.006
Loss after mini-batch	901:	0.005
Loss after mini-batch	911:	0.003
Loss after mini-batch	921:	0.004
Loss after mini-batch	931:	0.005
Loss after mini-batch	941:	0.005
Loss after mini-batch	951:	0.005
Loss after mini-batch	961:	0.004
Loss after mini-batch	971:	0.006
Loss after mini-batch	981:	0.006
Loss after mini-batch	991:	0.004
Loss after mini-batch	1001:	0.005
Loss after mini-batch	1011:	0.004
Loss after mini-batch	1021:	0.006
Loss after mini-batch	1031:	0.002
Loss after mini-batch	1041:	0.010
Loss after mini-batch	1051:	0.008
Loss after mini-batch	1061:	0.004
Loss after mini-batch	1071:	0.004
Loss after mini-batch	1081:	0.005
Loss after mini-batch	1091:	0.005
Loss after mini-batch	1101:	0.003
Loss after mini-batch	1111:	0.004
Loss after mini-batch	1121:	0.005
Loss after mini-batch	1131:	0.004
Loss after mini-batch	1141:	0.007
Loss after mini-batch	1151:	0.005
Loss after mini-batch	1161:	0.005
Loss after mini-batch	1171:	0.006

Loss after mini-batch	1181:	0.004
Loss after mini-batch	1191:	0.006
Loss after mini-batch	1201:	0.005
Loss after mini-batch	1211:	0.003
Loss after mini-batch	1221:	0.008
Loss after mini-batch	1231:	0.006
Loss after mini-batch	1241:	0.006
Loss after mini-batch	1251:	0.005
Loss after mini-batch	1261:	0.006
Loss after mini-batch	1271:	0.005
Loss after mini-batch	1281:	0.003
Loss after mini-batch	1291:	0.006
Loss after mini-batch	1301:	0.005
Loss after mini-batch	1311:	0.007
Loss after mini-batch	1321:	0.003
Loss after mini-batch	1331:	0.004
Loss after mini-batch	1341:	0.005
Loss after mini-batch	1351:	0.005
Loss after mini-batch	1361:	0.006
Loss after mini-batch	1371:	0.009
Loss after mini-batch	1381:	0.006
Loss after mini-batch	1391:	0.006
Loss after mini-batch	1401:	0.004
Loss after mini-batch	1411:	0.004
Loss after mini-batch	1421:	0.006
Loss after mini-batch	1431:	0.006
Loss after mini-batch	1441:	0.007
Loss after mini-batch	1451:	0.004
Loss after mini-batch	1461:	0.003
Loss after mini-batch	1471:	0.003
Loss after mini-batch	1481:	0.006
Loss after mini-batch	1491:	0.009
Loss after mini-batch	1501:	0.005
Loss after mini-batch	1511:	0.004
Loss after mini-batch	1521:	0.004
Loss after mini-batch	1531:	0.006
Loss after mini-batch	1541:	0.004
Loss after mini-batch	1551:	0.002
Loss after mini-batch	1561:	0.004
Loss after mini-batch	1571:	0.003
Loss after mini-batch	1581:	0.006
Loss after mini-batch	1591:	0.004
Loss after mini-batch	1601:	0.006
Loss after mini-batch	1611:	0.006
Loss after mini-batch	1621:	0.006
Loss after mini-batch	1631:	0.006
Loss after mini-batch	1641:	0.003
Loss after mini-batch	1651:	0.004

Loss after mini-batch	1661:	0.005
Loss after mini-batch	1671:	0.004
Loss after mini-batch	1681:	0.007
Loss after mini-batch	1691:	0.007
Loss after mini-batch	1701:	0.010
Loss after mini-batch	1711:	0.006
Loss after mini-batch	1721:	0.006
Loss after mini-batch	1731:	0.005
Loss after mini-batch	1741:	0.005
Loss after mini-batch	1751:	0.008
Loss after mini-batch	1761:	0.004
Loss after mini-batch	1771:	0.004
Loss after mini-batch	1781:	0.006
Loss after mini-batch	1791:	0.004
Loss after mini-batch	1801:	0.004
Loss after mini-batch	1811:	0.005
Loss after mini-batch	1821:	0.005
Loss after mini-batch	1831:	0.004
Loss after mini-batch	1841:	0.003
Loss after mini-batch	1851:	0.004
Loss after mini-batch	1861:	0.005
Loss after mini-batch	1871:	0.004
Loss after mini-batch	1881:	0.008
Loss after mini-batch	1891:	0.007
Loss after mini-batch	1901:	0.003
Loss after mini-batch	1911:	0.006
Loss after mini-batch	1921:	0.005
Loss after mini-batch	1931:	0.008
Loss after mini-batch	1941:	0.007
Loss after mini-batch	1951:	0.007
Loss after mini-batch	1961:	0.003
Loss after mini-batch	1971:	0.006
Loss after mini-batch	1981:	0.003
Loss after mini-batch	1991:	0.007
Loss after mini-batch	2001:	0.009
Loss after mini-batch	2011:	0.006
Loss after mini-batch	2021:	0.007
Loss after mini-batch	2031:	0.005
Loss after mini-batch	2041:	0.006
Loss after mini-batch	2051:	0.005
Loss after mini-batch	2061:	0.006
Loss after mini-batch	2071:	0.005
Loss after mini-batch	2081:	0.007
Loss after mini-batch	2091:	0.006
Loss after mini-batch	2101:	0.007
Loss after mini-batch	2111:	0.003
Loss after mini-batch	2121:	0.005
Loss after mini-batch	2131:	0.005

Loss after mini-batch	2141:	0.005
Loss after mini-batch	2151:	0.005
Loss after mini-batch	2161:	0.004
Loss after mini-batch	2171:	0.010
Loss after mini-batch	2181:	0.004
Loss after mini-batch	2191:	0.006
Loss after mini-batch	2201:	0.003
Loss after mini-batch	2211:	0.005
Loss after mini-batch	2221:	0.008
Loss after mini-batch	2231:	0.010
Loss after mini-batch	2241:	0.005
Loss after mini-batch	2251:	0.004
Loss after mini-batch	2261:	0.004
Loss after mini-batch	2271:	0.004
Loss after mini-batch	2281:	0.004
Loss after mini-batch	2291:	0.002
Loss after mini-batch	2301:	0.003
Loss after mini-batch	2311:	0.005
Loss after mini-batch	2321:	0.004
Loss after mini-batch	2331:	0.006
Loss after mini-batch	2341:	0.003
Loss after mini-batch	2351:	0.006
Loss after mini-batch	2361:	0.007
Loss after mini-batch	2371:	0.004
Loss after mini-batch	2381:	0.008
Loss after mini-batch	2391:	0.005
Loss after mini-batch	2401:	0.005
Loss after mini-batch	2411:	0.007
Loss after mini-batch	2421:	0.007
Loss after mini-batch	2431:	0.007
Loss after mini-batch	2441:	0.006
Loss after mini-batch	2451:	0.006
Loss after mini-batch	2461:	0.005
Loss after mini-batch	2471:	0.008
Loss after mini-batch	2481:	0.005
Loss after mini-batch	2491:	0.006
Loss after mini-batch	2501:	0.006
Loss after mini-batch	2511:	0.008
Loss after mini-batch	2521:	0.006
Loss after mini-batch	2531:	0.006
Loss after mini-batch	2541:	0.006
Loss after mini-batch	2551:	0.004
Loss after mini-batch	2561:	0.005
Loss after mini-batch	2571:	0.005
Loss after mini-batch	2581:	0.005
Loss after mini-batch	2591:	0.008
Loss after mini-batch	2601:	0.007
Loss after mini-batch	2611:	0.009

```

Loss after mini-batch 2621: 0.007
Loss after mini-batch 2631: 0.007
Loss after mini-batch 2641: 0.006
Loss after mini-batch 2651: 0.007
Loss after mini-batch 2661: 0.007
Loss after mini-batch 2671: 0.003
Loss after mini-batch 2681: 0.006
Loss after mini-batch 2691: 0.006
Loss after mini-batch 2701: 0.005
Loss after mini-batch 2711: 0.006
Loss after mini-batch 2721: 0.006
Loss after mini-batch 2731: 0.006
Loss after mini-batch 2741: 0.004
Loss after mini-batch 2751: 0.006
Loss after mini-batch 2761: 0.004
Loss after mini-batch 2771: 0.005
Loss after mini-batch 2781: 0.005
Loss after mini-batch 2791: 0.012
Loss after mini-batch 2801: 0.007
Loss after mini-batch 2811: 0.006
Training process has finished.

```

[336]: *#Validate with test dataset*

```

testDataloader = DataLoader(test_dataset, batch_size=5000, shuffle=True)
iterDataloader = iter(testDataloader)
testData = next(iterDataloader)

```

*#Old code utilizing the full dataset*

```

# fulldata = DataLoader(training_dataset, batch_size=5000, shuffle=True)
# iterDataloader = iter(fulldata)
# allData = next(iterDataloader)

```

*# print(allData)*

*#Get each separate input for future plotting reasons*

```

intens = testData[:, 0:1]
duration = testData[:, 1]
thickness = testData[:, 2]
spotSize = testData[:, 3]

```

*#Transform intens by a log function*

```

logIntens = np.log(intens)

```

```

print(logIntens.size(), testData[:,1:4].size())

```



```

#Process intensity by putting it on a log scale
inputs = torch.cat((logIntens, testData[:,1:4]), axis = 1)

#Turn logIntens back into a tensor that can be passed to a plot
intens = testData[:, 0]
logIntens = np.log(intens)

#inputs = allData[:, 0:4]
target = testData[:, 4:7]
target = np.log(target)

inputs = inputs.to('cuda')
target = target.to('cuda')

inputs, target = inputs.float(), target.float()
target = target.reshape((target.shape[0],3))

#print("Inputs:", inputs)
#print("Targets:", target)

output = multiModel(inputs)

target = np.log(testData[:, 4:7])

print("Targets:", target)
#print(output)
print("Outputs:", output)

```

```

torch.Size([5000, 1]) torch.Size([5000, 3])
Targets: tensor([[ -0.0976,  -9.2133,  -2.2537],
 [  2.8012,  -3.9184,  -0.3984],
 [  0.7820,  -7.8302,  -1.9401],
 ...,
 [ -4.2029, -14.8184,  -6.0782],
 [  3.4727,  -0.8536,   0.1713],
 [ -3.7446, -14.3776,  -5.6519]], dtype=torch.float64)
Outputs: tensor([[-2.2513e-04, -8.8278e+00, -2.1085e+00],
 [ 2.7939e+00, -3.9764e+00, -3.8585e-01],
 [ 1.0129e+00, -7.5832e+00, -1.8135e+00],
 ...,
 [-4.2512e+00, -1.4622e+01, -6.0575e+00],
 [ 3.4500e+00, -1.0348e+00,  2.2889e-01],
 [-3.6429e+00, -1.4103e+01, -5.5316e+00]], device='cuda:0',
 grad_fn=<AddmmBackward0>)

```

```

[337]: print("Target:", target[:])
       print(target[:, 0])

```

```
print("Output:", output)
print(output[:, 0])
```

```
Target: tensor([[ -0.0976,  -9.2133,  -2.2537],
               [  2.8012,  -3.9184,  -0.3984],
               [  0.7820,  -7.8302,  -1.9401],
               ...,
               [ -4.2029, -14.8184,  -6.0782],
               [  3.4727,  -0.8536,   0.1713],
               [ -3.7446, -14.3776,  -5.6519]], dtype=torch.float64)
tensor([-0.0976,  2.8012,  0.7820, ..., -4.2029,  3.4727, -3.7446],
       dtype=torch.float64)
Output: tensor([[ -2.2513e-04, -8.8278e+00, -2.1085e+00],
               [  2.7939e+00, -3.9764e+00, -3.8585e-01],
               [  1.0129e+00, -7.5832e+00, -1.8135e+00],
               ...,
               [-4.2512e+00, -1.4622e+01, -6.0575e+00],
               [  3.4500e+00, -1.0348e+00,  2.2889e-01],
               [-3.6429e+00, -1.4103e+01, -5.5316e+00]], device='cuda:0',
       grad_fn=<AddmmBackward0>)
tensor([-2.2513e-04,  2.7939e+00,  1.0129e+00, ..., -4.2512e+00,
         3.4500e+00, -3.6429e+00], device='cuda:0', grad_fn=<SelectBackward0>)
```

4.1 It seems the multi-regressor has a habit of under-predicting max and total proton energy by a slight margin. It is way off for average proton energy though, maybe try applying a log-scale?

```
[338]: %matplotlib inline
import matplotlib.pyplot as plt

#Plot the actual data and the regressor's predicted data

#Max KE Energy plots

index = 0

fig=plt.figure(figsize=(12,4))
plt.subplot(1, 4, 1)
plt.scatter(logIntens,np.exp(target[:, index].cpu().detach().numpy()), color =_
↳'blue')
plt.scatter(logIntens,np.exp(output[:, index].cpu().detach().numpy()), color =_
↳'red')
plt.xscale('log')
plt.xlabel(r'Intensity (W cm$^{-2}$)')
plt.ylabel('Max Proton Energy (MeV)')

plt.subplot(1, 4, 2)
```

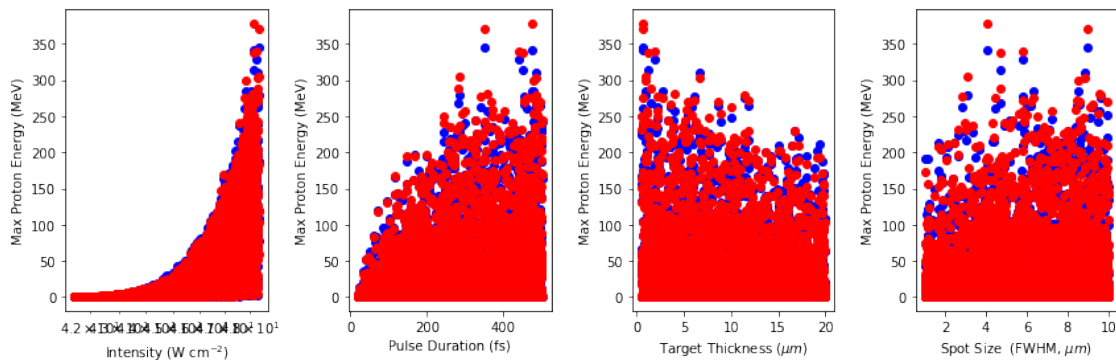
```

plt.scatter(duration,np.exp(target[:, index].cpu().detach().numpy()), color =
↳'blue')
plt.scatter(duration,np.exp(output[:, index].cpu().detach().numpy()), color =
↳'red')
plt.xlabel('Pulse Duration (fs)')
plt.ylabel('Max Proton Energy (MeV)')

plt.subplot(1, 4, 3)
plt.scatter(thickness,np.exp(target[:, index].cpu().detach().numpy()), color =
↳'blue')
plt.scatter(thickness,np.exp(output[:, index].cpu().detach().numpy()), color =
↳'red')
plt.xlabel(r'Target Thickness ( $\mu$ m)')
plt.ylabel('Max Proton Energy (MeV)')

plt.subplot(1, 4, 4)
plt.scatter(spotSize,np.exp(target[:, index].cpu().detach().numpy()), color =
↳'blue')
plt.scatter(spotSize,np.exp(output[:, index].cpu().detach().numpy()), color =
↳'red')
plt.xlabel(r'Spot Size (FWHM,  $\mu$ m)')
plt.ylabel('Max Proton Energy (MeV)')
plt.tight_layout()
plt.show()

```



## 5 Error plots

### 5.1 First max kinetic energy, then total energy, and finally average energy

```

[339]: def plot_relative_error(target, output, logIntens, duration, thickness,
↳spotSize, index, label):
    difference = np.exp(target[:, index].cpu().detach().numpy()) - np.
↳exp(output[:, index].cpu().detach().numpy())

```

```

        difference = np.abs(difference)
        error = np.divide(difference, np.exp(output[:, index].cpu().detach().
→numpy())) * 100

    fig=plt.figure(figsize=(12,8))

    plt.subplot(1, 4, 1)
    plt.scatter(logIntens, error, color = 'blue')
    plt.xscale('log')
    #plt.ylim([0, 100])
    plt.xlabel(r'Intensity (W cm$^{-2}$)')
    plt.ylabel(label)

    plt.subplot(1, 4, 2)
    plt.scatter(duration, error, color = 'blue')
    plt.xlabel('Pulse Duration (fs)')
    plt.ylabel(label)

    plt.subplot(1, 4, 3)
    plt.scatter(thickness,error, color = 'blue')
    plt.xlabel(r'Target Thickness ($\mu$ m$)')
    plt.ylabel(label)

    plt.subplot(1, 4, 4)
    plt.scatter(spotSize, error, color = 'blue')
    plt.xlabel(r'Spot Size (FWHM, $\mu$ m$)')
    plt.ylabel(label)

    plt.tight_layout()
    plt.show()

```

```

[340]: # Positive absolute error means the NN had over-estimated the error
# Negative absolute error means the NN had under-estimated the error
def plot_absolute_error(target, output, logIntens, duration, thickness,
→spotSize, index, label):
    difference = np.exp(output[:, index].cpu().detach().numpy()) - np.
→exp(target[:, index].cpu().detach().numpy())
    absDifference = np.abs(difference)

    fig=plt.figure(figsize=(12,8))
    plt.subplot(2, 4, 1)
    plt.scatter(logIntens, difference, color = 'blue')
    plt.xscale('log')
    #plt.ylim([0, -1])
    plt.xlabel(r'Intensity (W cm$^{-2}$)')
    plt.ylabel(label)

```

```

plt.subplot(2, 4, 2)
plt.scatter(duration, difference, color = 'blue')
plt.xlabel('Pulse Duration (fs)')
plt.ylabel(label)

plt.subplot(2, 4, 3)
plt.scatter(thickness, difference, color = 'blue')
plt.xlabel(r'Target Thickness ( $\mu\text{m}$ )')
plt.ylabel(label)

plt.subplot(2, 4, 4)
plt.scatter(spotSize, difference, color = 'blue')
plt.xlabel(r'Spot Size (FWHM,  $\mu\text{m}$ )')
plt.ylabel(label)

plt.subplot(2, 4, 5)
plt.scatter(logIntens, absDifference, color = 'blue')
plt.xscale('log')
#plt.ylim([0, 1])
plt.xlabel(r'Intensity ( $\text{W cm}^{-2}$ )')
plt.ylabel(label + " (Magnitude)")

plt.subplot(2, 4, 6)
plt.scatter(duration, absDifference, color = 'blue')
plt.xlabel('Pulse Duration (fs)')
plt.ylabel(label + " (Magnitude)")

plt.subplot(2, 4, 7)
plt.scatter(thickness, absDifference, color = 'blue')
plt.xlabel(r'Target Thickness ( $\mu\text{m}$ )')
plt.ylabel(label + " (Magnitude)")

plt.subplot(2, 4, 8)
plt.scatter(spotSize, absDifference, color = 'blue')
plt.xlabel(r'Spot Size (FWHM,  $\mu\text{m}$ )')
plt.ylabel(label + " (Magnitude)")

plt.tight_layout()
plt.show()

```

```

[341]: def calc_MSE_Error(target, output, index):
        result = np.square(np.subtract(np.exp(target[:, index].cpu().detach().
        ↪numpy()), np.exp(output[:, index].cpu().detach().numpy()))).mean()

        return result

```

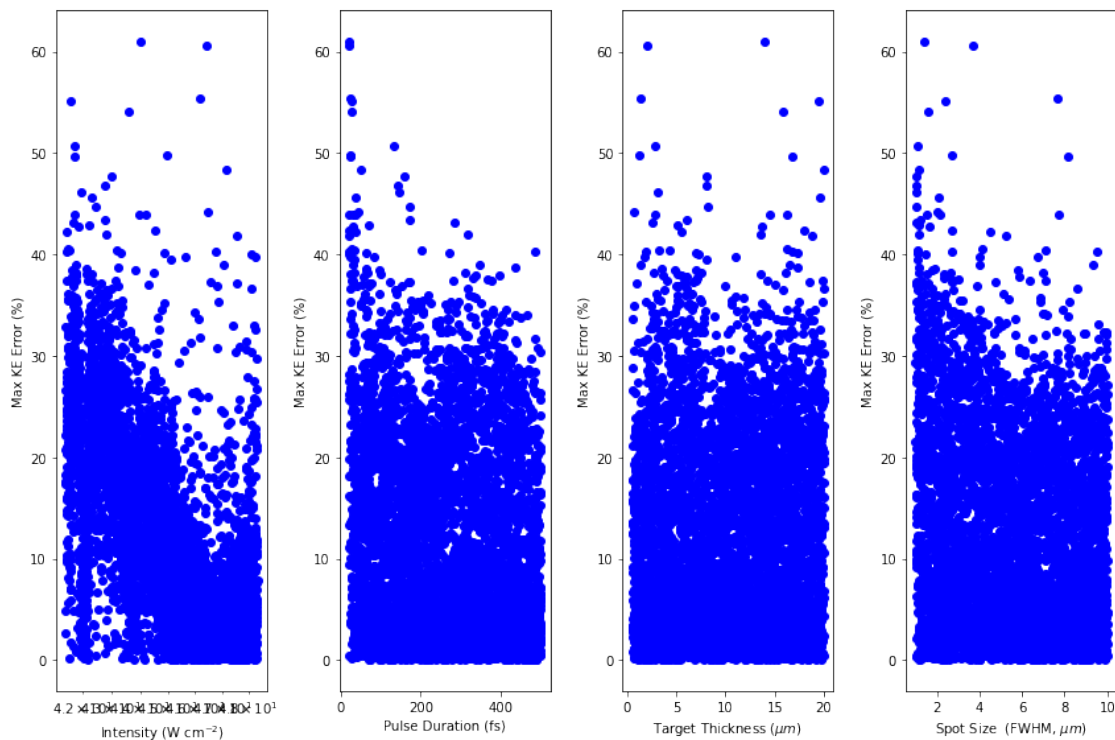
```
[342]: def calc_Avg_Percent_Error(target, output, index):
        difference = np.exp(target[:, index].cpu().detach().numpy()) - np.
        ↪exp(output[:, index].cpu().detach().numpy())
        difference = np.abs(difference)
        error = np.divide(difference, np.exp(output[:, index].cpu().detach().
        ↪numpy())) * 100

        result = error.mean()

        return result
```

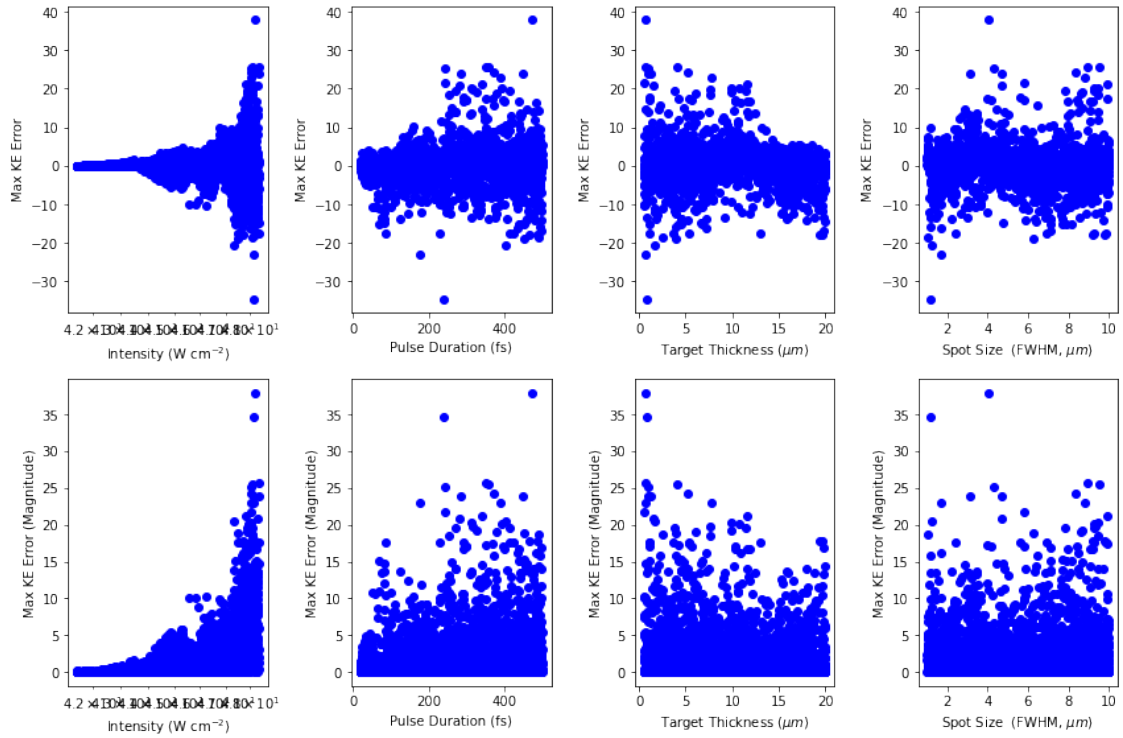
```
[343]: #Plot relative error and relative error magnitude

plot_relative_error(target, output, logIntens, duration, thickness, spotSize,
        ↪0, 'Max KE Error (%)')
```



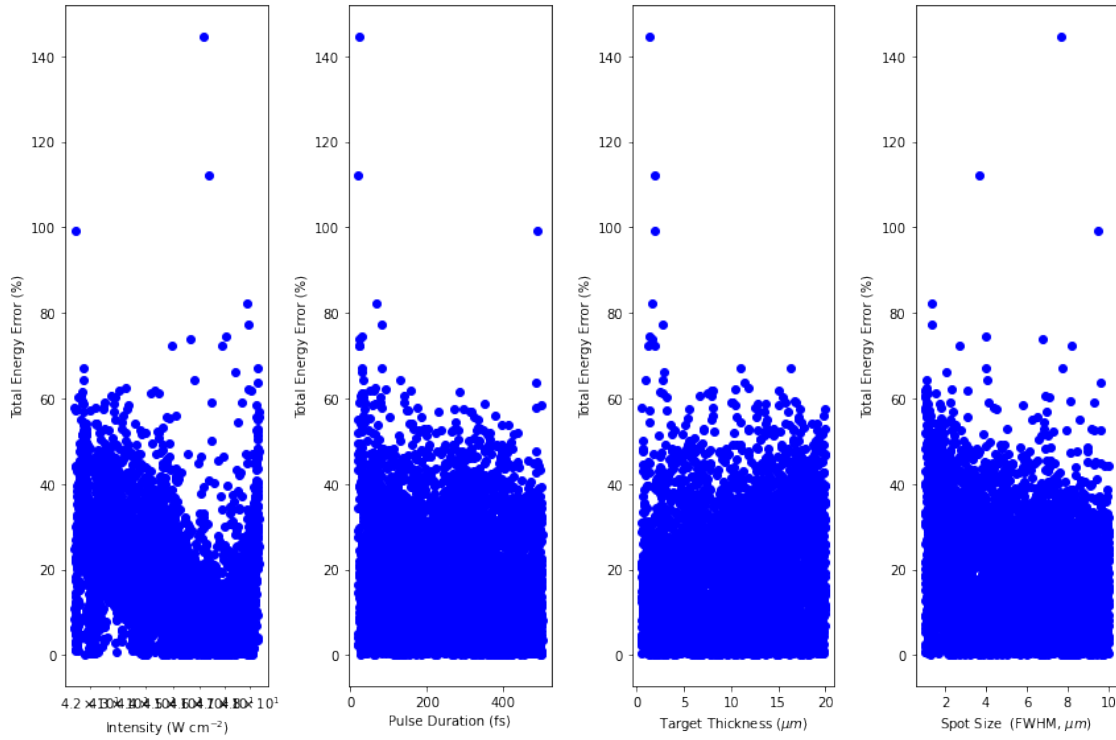
```
[344]: #Also plot absolute errors

plot_absolute_error(target, output, logIntens, duration, thickness, spotSize,
        ↪0, 'Max KE Error')
```

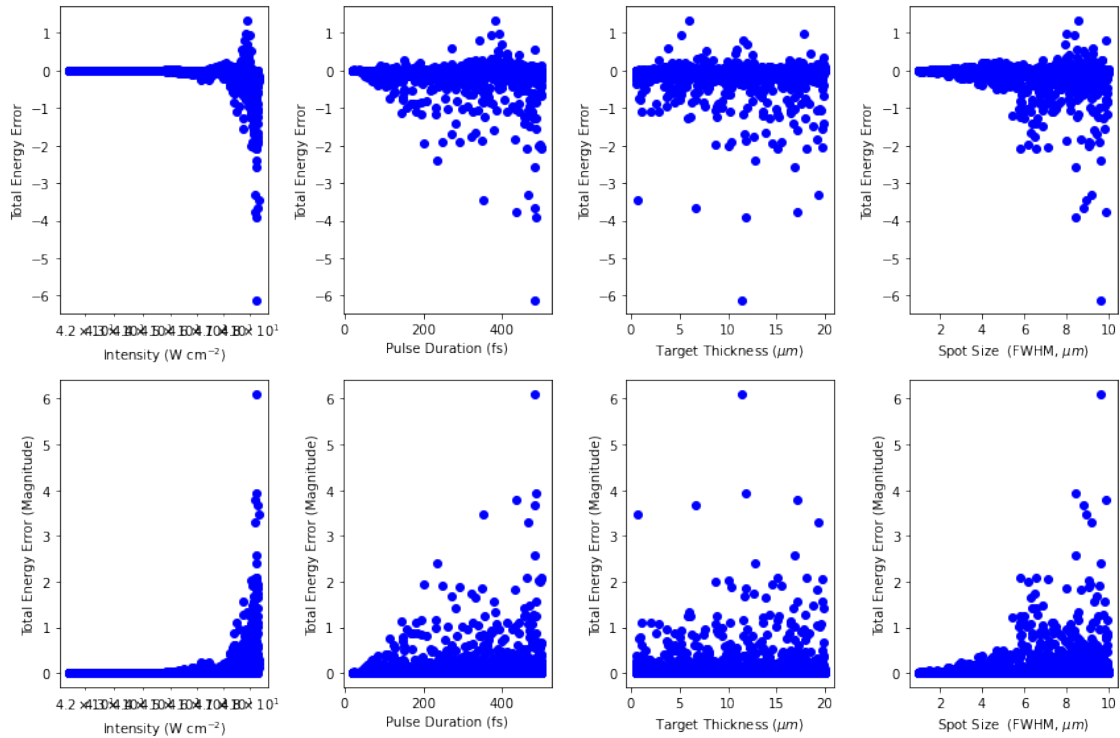


[345]: *#Errors for total proton energy*

```
plot_relative_error(target, output, logIntens, duration, thickness, spotSize,
↪1, 'Total Energy Error (%)')
```



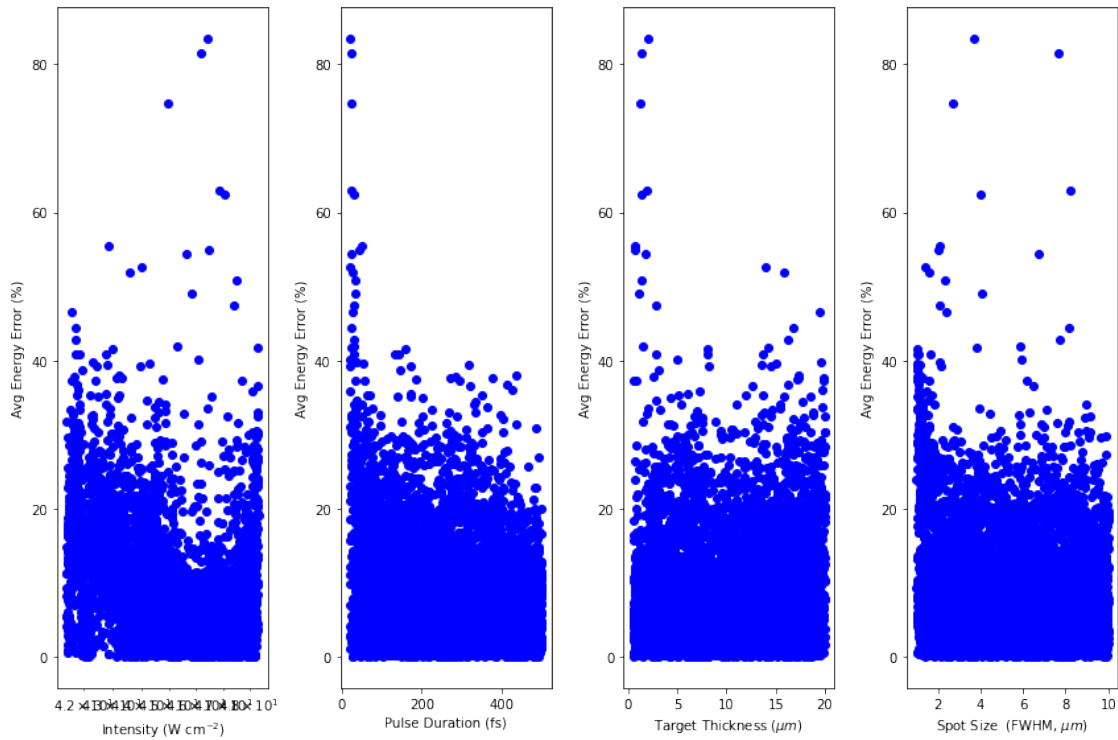
```
[346]: plot_absolute_error(target, output, logIntens, duration, thickness, spotSize,
    ↪1, 'Total Energy Error')
```



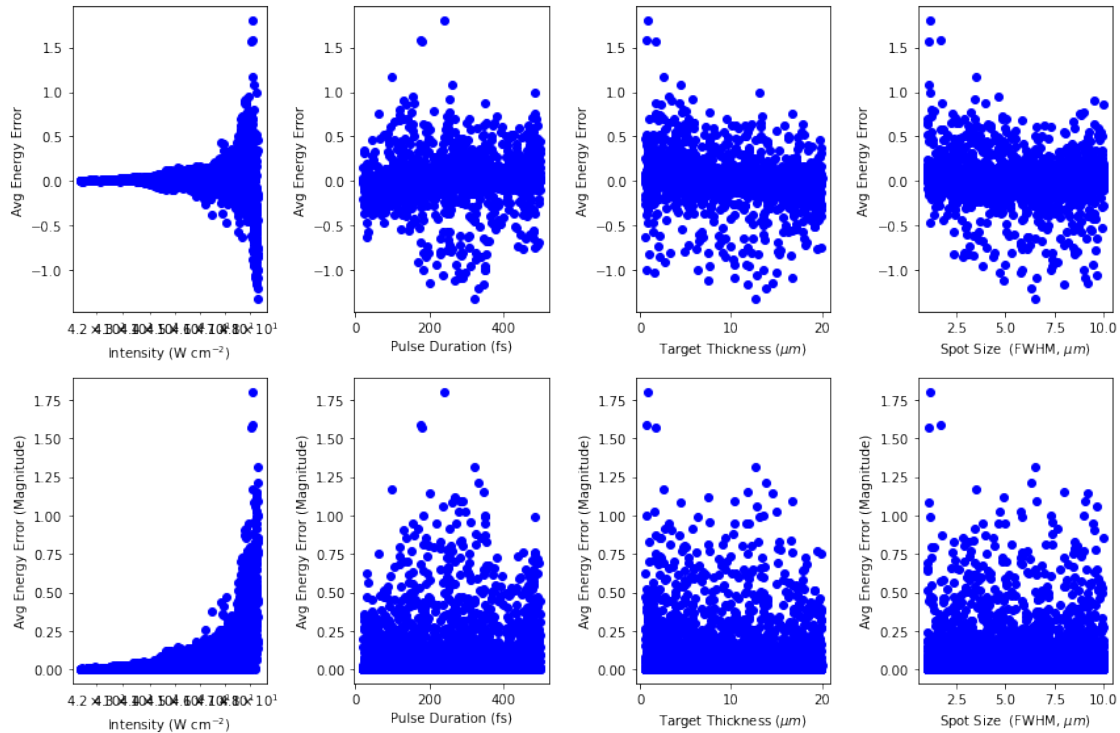


```
[347]: #Finally, do average energy
```

```
plot_relative_error(target, output, logIntens, duration, thickness, spotSize, ↵  
↵2, 'Avg Energy Error (%)')
```



```
[348]: plot_absolute_error(target, output, logIntens, duration, thickness, spotSize, ↵  
↵2, 'Avg Energy Error')
```



```
[349]: #Calculate mean squared error values
#Also calculate the average relative error

error = [0., 1., 2.]
percentError = [0., 1., 2.]

for index in range(3):
    error[index] = calc_MSE_Error(target, output, index)
    percentError[index] = calc_Avg_Percent_Error(target, output, index)

print("Max KE MSE:", error[0])
print("Max KE Average Relative Error:", percentError[0])
print("Total Energy MSE:", error[1])
print("Total Energy Average Relative Error:", percentError[1])
print("Avg Energy MSE:", error[2])
print("Avg Energy Average Relative Error:", percentError[2])
```

```
Max KE MSE: 0.06868434309897596
Max KE Average Relative Error: 12.354636816137976
Total Energy MSE: 0.0011237955635835246
Total Energy Average Relative Error: 18.517587987041914
Avg Energy MSE: 0.00022563304342974302
Avg Energy Average Relative Error: 9.929525760678816
```

```
[350]: %matplotlib notebook
import matplotlib.pyplot as plt

#We'll be using matplotlib notebooks so we can easily rotate the 3-D plots
↳interactively
#Note that when we have many, many points, these plots can be very slow to
↳respond to rotations

size3D = (10,6) #Controls the figure size for our plots

fig = plt.figure(figsize=size3D)

#Intensity and Pulse Duration
ax = fig.add_subplot(1, 1, 1, projection='3d')
ax.mouse_init()
ax.set_xlabel('Max Energy', fontweight='bold')
ax.set_ylabel('Total Energy', fontweight='bold')
ax.set_zlabel('Average Energy', fontweight='bold')
ax.scatter3D(target[:, 0].cpu().detach().numpy(), target[:, 1].cpu().detach().
↳numpy(), target[:, 2].cpu().detach().numpy(),
            color = 'blue')
ax.scatter3D(output[:, 0].cpu().detach().numpy(), output[:, 1].cpu().detach().
↳numpy(), output[:, 2].cpu().detach().numpy(),
            color = 'red')
```

<IPython.core.display.Javascript object>

<IPython.core.display.HTML object>

```
[350]: <mpl_toolkits.mplot3d.art3d.Path3DCollection at 0x1cc082fe610>
```

## 6 Conclusion:

- Apply the log function to intensity for neural networks and all of the outputs for the energies
- Maybe look into whether or not we only need to apply a log to the average energy?

```
[ ]:
```