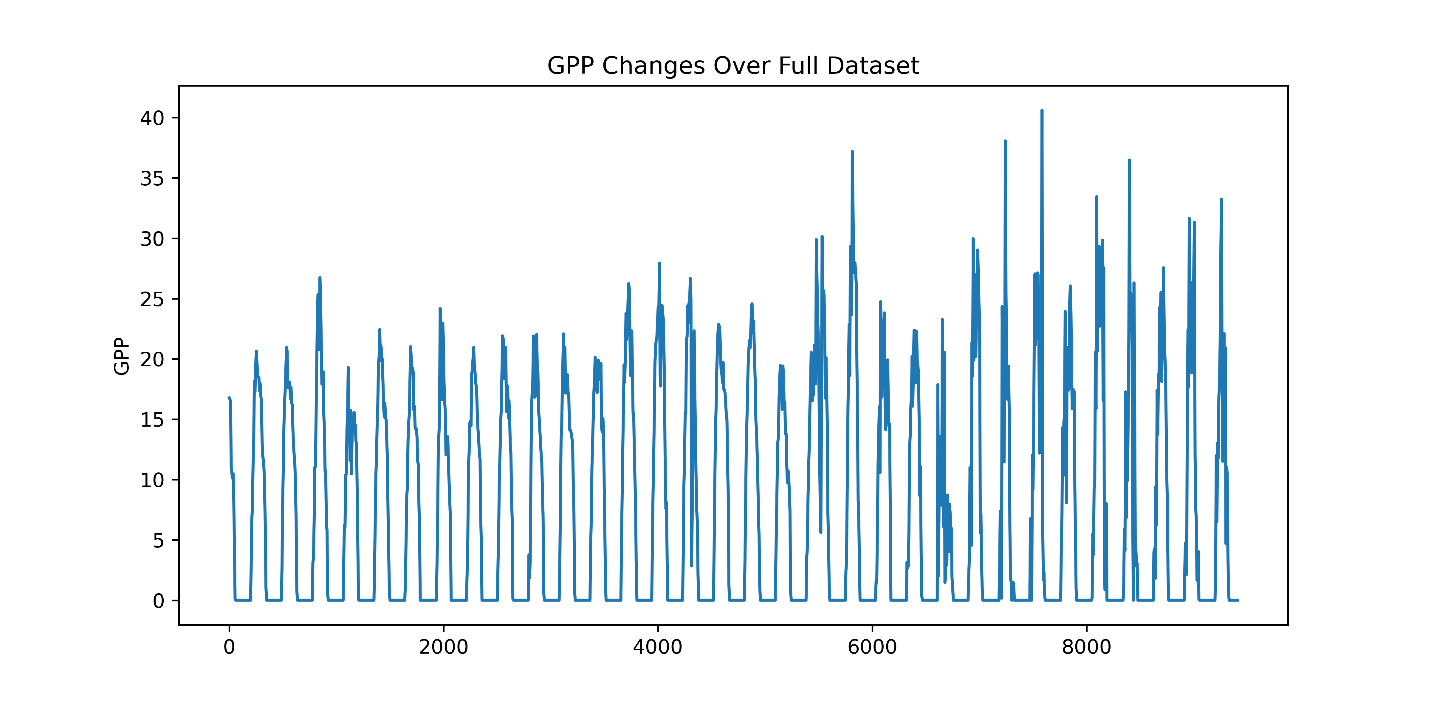
asdas



Starts 2015\_03\_14\_13\_30\_bci\_t.csv  
Ends 2015\_09\_30\_23\_30\_bci\_t.csv  
x-axis represents # of 5 min increments

Ends

# Full Data

55,000 files, batch size 3, learning rate constant 0.001 20 epochs

Epoch #: 1

Epoch: 1 Training Loss: 34.324618 Validation Loss: 39.507075

Time: 1403.5638682842255

Current Time = 02:28:50

LR: 0.001

Epoch #: 2

Epoch: 2 Training Loss: 31.415768 Validation Loss: 23.960221

Validation loss decreased (32.039487 --> 23.960221). Saving model ...

Time: 1342.299519777298

Current Time = 02:51:12

LR: 0.001

Epoch #: 3

Epoch: 3 Training Loss: 29.139600 Validation Loss: 21.381789

Validation loss decreased (23.960221 --> 21.381789). Saving model ...

Time: 1319.9453134536743

Current Time = 03:13:12

LR: 0.001

Epoch #: 4

Epoch: 4 Training Loss: 27.517220 Validation Loss: 20.090468

Validation loss decreased (21.381789 --> 20.090468). Saving model ...

Time: 1318.7205877304077

Current Time = 03:35:11

LR: 0.001

Epoch #: 5

Epoch: 5 Training Loss: 26.259371 Validation Loss: 19.713259

Validation loss decreased (20.090468 --> 19.713259). Saving model ...

Time: 1318.9050962924957

Current Time = 03:57:10

LR: 0.001

Epoch #: 6

Epoch: 6 Training Loss: 25.733019 Validation Loss: 19.505098

Validation loss decreased (19.713259 --> 19.505098). Saving model ...

Time: 1318.6138756275177

Current Time = 04:19:09

LR: 0.001

Epoch #: 7

Epoch: 7 Training Loss: 25.004339 Validation Loss: 33.001331

Time: 1319.5703160762787

Current Time = 04:41:08

LR: 0.001

Epoch #: 8

Epoch: 8 Training Loss: 24.276395 Validation Loss: 17.662554

Validation loss decreased (19.505098 --> 17.662554). Saving model ...

Time: 1319.1654002666473

Current Time = 05:03:07

LR: 0.001

Epoch #: 9

Epoch: 9 Training Loss: 23.723310 Validation Loss: 24.978763

Time: 1318.7694580554962

Current Time = 05:25:06

LR: 0.001

Epoch #: 10

Epoch: 10 Training Loss: 23.127442 Validation Loss: 23.952492

Time: 1319.1753721237183

Current Time = 05:47:05

LR: 0.001

Epoch #: 11

Epoch: 11 Training Loss: 22.626641 Validation Loss: 17.648369

Validation loss decreased (17.662554 --> 17.648369). Saving model ...

Time: 1319.6421241760254

Current Time = 06:09:05

LR: 0.001

Epoch #: 12

Epoch: 12 Training Loss: 22.279145 Validation Loss: 18.662943

Time: 1319.4177238941193

Current Time = 06:31:05

LR: 0.001

Epoch #: 13

Epoch: 13 Training Loss: 21.729727 Validation Loss: 16.590558

Validation loss decreased (17.648369 --> 16.590558). Saving model ...

Time: 1319.5653295516968

Current Time = 06:53:04

LR: 0.001

Epoch #: 14

Epoch: 14 Training Loss: 21.086775 Validation Loss: 18.073613

Time: 1319.5094792842865

Current Time = 07:15:04

LR: 0.001

Epoch #: 15

Epoch: 15 Training Loss: 20.871230 Validation Loss: 18.143685

Time: 1325.3358945846558

Current Time = 07:37:09

LR: 0.001

Epoch #: 16

Epoch: 16 Training Loss: 21.111609 Validation Loss: 19.324733

Time: 1319.0985774993896

Current Time = 07:59:08

LR: 0.001

Epoch #: 17

Epoch: 17 Training Loss: 20.625919 Validation Loss: 15.596218

Validation loss decreased (16.590558 --> 15.596218). Saving model ...

Time: 1318.4652721881866

Current Time = 08:21:07

LR: 0.001

Epoch #: 18

Epoch: 18 Training Loss: 20.225779 Validation Loss: 16.452832

Time: 1320.1766941547394

Current Time = 08:43:07

LR: 0.001

Epoch #: 19

Epoch: 19 Training Loss: 19.891254 Validation Loss: 15.291097

Validation loss decreased (15.596218 --> 15.291097). Saving model ...

Time: 1318.6228518486023

Current Time = 09:05:05

LR: 0.001

Epoch #: 20

Epoch: 20 Training Loss: 20.136638 Validation Loss: 18.624851

Time: 1319.7388648986816

Current Time = 09:27:05

LR: 0.001

Operation Complete

[34.32461826009945, 31.41576783913345, 29.13960019041623, 27.517219943756707, 26.259371256239184, 25.733019366484246, 25.004338758036038, 24.276395390280637, 23.723310259319625, 23.127442072899846, 22.62664051455718, 22.279144990379137, 21.729727352088997, 21.086775055418588, 20.87123020494531, 21.11160897763315, 20.62591898980779, 20.225779190413864, 19.89125446985723, 20.13663759028082]

[39.507074656201816, 23.960221475929814, 21.381789258345925, 20.09046835991505, 19.71325910852074, 19.505098060381602, 33.00133143789836, 17.662554104451974, 24.97876270263207, 23.952492399846516, 17.648368814419634, 18.662943093867, 16.590557911710466, 18.07361334346952, 18.143685462811295, 19.32473326065288, 15.596218202608405, 16.45283229121809, 15.291097105261672, 18.624851254625728]

[1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20]

[0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001]

Same model as above all the same except batch size 3->18

Epoch #: 1

Epoch: 1 Training Loss: 17.239738 Validation Loss: 13.751256

Validation loss decreased (15.291097 --> 13.751256). Saving model ...

Time: 1347.8238453865051

Current Time = 11:48:12

LR: 0.001

Epoch #: 2

Epoch: 2 Training Loss: 17.003789 Validation Loss: 14.033083

Time: 1354.6606905460358

Current Time = 12:10:47

LR: 0.001

Epoch #: 3

Epoch: 3 Training Loss: 16.967486 Validation Loss: 13.907767

Time: 1377.1082932949066

Current Time = 12:33:44

LR: 0.001

Epoch #: 4

Epoch: 4 Training Loss: 16.792824 Validation Loss: 13.092755

Validation loss decreased (13.751256 --> 13.092755). Saving model ...

Time: 1421.0786807537079

Current Time = 12:57:25

LR: 0.001

Epoch #: 5

Epoch: 5 Training Loss: 16.759338 Validation Loss: 13.276482

Time: 1374.2756745815277

Current Time = 13:20:19

LR: 0.001

Epoch #: 6

Epoch: 6 Training Loss: 16.421970 Validation Loss: 13.295156

Time: 1444.2689583301544

Current Time = 13:44:23

LR: 0.001

Epoch #: 7

Epoch: 7 Training Loss: 16.371385 Validation Loss: 13.416979

Time: 1369.8217148780823

Current Time = 14:07:13

LR: 0.001

Epoch #: 8

Epoch: 8 Training Loss: 16.336214 Validation Loss: 13.494827

Time: 1362.468667268753

Current Time = 14:29:56

LR: 0.001

Epoch #: 9

Epoch: 9 Training Loss: 16.075171 Validation Loss: 12.599507

Validation loss decreased (13.092755 --> 12.599507). Saving model ...

Time: 1355.9081292152405

Current Time = 14:52:32

LR: 0.001

Epoch #: 10

Epoch: 10 Training Loss: 15.854454 Validation Loss: 13.372744

Time: 1344.1709830760956

Current Time = 15:14:56

LR: 0.001

Operation Complete

[17.239737897484677, 17.00378881626888, 16.967485689588578, 16.792824383068503, 16.75933763227756, 16.421969576912545, 16.371385454893556, 16.336213724177536, 16.075170558216662, 15.8544542104807]

[13.751256108839232, 14.033082702185423, 13.907767405107958, 13.09275467849966, 13.276482231904586, 13.295156230580046, 13.416979456702999, 13.494827331250692, 12.599506882439673, 13.37274412682404]

[1, 2, 3, 4, 5, 6, 7, 8, 9, 10]

[0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001]

Same as above except batch size 18 -> 60

Epoch #: 1

Epoch: 1 Training Loss: 14.977797 Validation Loss: 12.516110

Validation loss decreased (12.599507 --> 12.516110). Saving model ...

Time: 1532.6102085113525

Current Time = 15:48:05

LR: 0.001

Epoch #: 2

Epoch: 2 Training Loss: 14.747525 Validation Loss: 12.574423

Time: 1554.1047720909119

Current Time = 16:13:59

LR: 0.001

Epoch #: 3

Epoch: 3 Training Loss: 14.551092 Validation Loss: 12.695847

Time: 1448.622793674469

Current Time = 16:38:07

LR: 0.001

Epoch #: 4

Epoch: 4 Training Loss: 14.708999 Validation Loss: 12.271576

Validation loss decreased (12.516110 --> 12.271576). Saving model ...

Time: 1421.821965932846

Current Time = 17:01:49

LR: 0.001

Epoch #: 5

Epoch: 5 Training Loss: 14.545993 Validation Loss: 12.260173

Validation loss decreased (12.271576 --> 12.260173). Saving model ...

Time: 1411.7952437400818

Current Time = 17:25:21

LR: 0.001

Epoch #: 6

Epoch: 6 Training Loss: 14.781693 Validation Loss: 13.047269

Time: 1406.1770493984222

Current Time = 17:48:47

LR: 0.001

Epoch #: 7

Epoch: 7 Training Loss: 14.726112 Validation Loss: 12.353466

Time: 1453.373333454132

Current Time = 18:13:01

LR: 0.001

Epoch #: 8

ENDED EARLY WAS MEANT TO DO 10 BATCHES

Same as above but LR = 0.005

Epoch #: 1

Epoch: 1 Training Loss: 19.490664 Validation Loss: 14.676713

Time: 1393.8457343578339

Current Time = 18:47:31

LR: 0.005

Epoch #: 2

Epoch: 2 Training Loss: 18.919526 Validation Loss: 16.677812

Time: 1398.8550724983215

Current Time = 19:10:50

LR: 0.005

Epoch #: 3

Epoch: 3 Training Loss: 18.659229 Validation Loss: 17.584453

Time: 1399.0216524600983

Current Time = 19:34:09

LR: 0.005

Epoch #: 4

Epoch: 4 Training Loss: 18.589761 Validation Loss: 14.912236

Time: 1427.3728308677673

Current Time = 19:57:56

LR: 0.005

Epoch #: 5

Epoch: 5 Training Loss: 17.809573 Validation Loss: 16.115505

Time: 1396.1652522087097

Current Time = 20:21:13

LR: 0.005

Epoch #: 6

Epoch: 6 Training Loss: 18.333303 Validation Loss: 14.237518

Time: 1394.8166241645813

Current Time = 20:44:27

LR: 0.005

Epoch #: 7

Epoch: 7 Training Loss: 18.183358 Validation Loss: 14.756473

Time: 1391.1941990852356

Current Time = 21:07:39

LR: 0.005

Operation Complete

[19.490664204797245, 18.919525860724754, 18.659229367471674, 18.5897611649645, 17.809573490758638, 18.33330337602089, 18.18335836219889]

[14.676712836561839, 16.677812451032576, 17.584453267389307, 14.912236097750688, 16.11550502439516, 14.237517799507145, 14.756473334267575]

[1, 2, 3, 4, 5, 6, 7]

[0.005, 0.005, 0.005, 0.005, 0.005, 0.005, 0.005]

Same as before but lr= 0.01

Epoch #: 1

Epoch: 1 Training Loss: 31.331259 Validation Loss: 24.789423

Time: 1440.0707960128784

Current Time = 21:43:36

LR: 0.01

Epoch #: 2

Epoch: 2 Training Loss: 26.532194 Validation Loss: 20.830807

Time: 1411.5153789520264

Current Time = 22:07:08

LR: 0.01

Epoch #: 3

Epoch: 3 Training Loss: 27.865474 Validation Loss: 21.936664

Time: 1414.8224449157715

Current Time = 22:30:43

LR: 0.01

Epoch #: 4

Epoch: 4 Training Loss: 26.010130 Validation Loss: 24.179986

Time: 1618.6072707176208

Current Time = 22:57:41

LR: 0.01

Epoch #: 5

Epoch: 5 Training Loss: 24.429954 Validation Loss: 21.051335

Time: 1580.7671661376953

Current Time = 23:24:02

LR: 0.01

Epoch #: 6

Epoch: 6 Training Loss: 27.656686 Validation Loss: 25.261796

Time: 1613.3901255130768

Current Time = 23:50:56

LR: 0.01

Epoch #: 7

Epoch: 7 Training Loss: 24.358075 Validation Loss: 19.707448

Time: 1626.9661066532135

Current Time = 00:18:03

LR: 0.01

Operation Complete

[31.331259464500494, 26.532193639540502, 27.86547354817993, 26.010130427890804, 24.42995428004606, 27.656686249393587, 24.358074894286485]

[24.78942266463345, 20.830806907188297, 21.936663726234524, 24.179985564311384, 21.05133541339933, 25.26179615086492, 19.707448347257802]

[1, 2, 3, 4, 5, 6, 7]

[0.01, 0.01, 0.01, 0.01, 0.01, 0.01, 0.01]

SHIFT AROUND LR

Epoch #: 1

Epoch: 1 Training Loss: 155.075607 Validation Loss: 112.614961

Time: 1441.7608406543732

Current Time = 01:15:19

LR: 0.05

Epoch #: 2

Epoch: 2 Training Loss: 116.798490 Validation Loss: 112.655074

Time: 1354.0918681621552

Current Time = 01:37:53

LR: 0.05

Epoch #: 3

Epoch: 3 Training Loss: 116.785722 Validation Loss: 112.519679

Time: 1356.5643103122711

Current Time = 02:00:30

LR: 0.05

Epoch #: 4

Epoch: 4 Training Loss: 116.814217 Validation Loss: 112.618267

Time: 1356.2591388225555

Current Time = 02:23:06

LR: 0.05

Epoch #: 5

Epoch: 5 Training Loss: 116.794784 Validation Loss: 112.790421

Time: 1354.7242503166199

Current Time = 02:45:41

LR: 0.05

Epoch #: 6

Epoch: 6 Training Loss: 116.808858 Validation Loss: 112.605196

Time: 1354.5657892227173

Current Time = 03:08:15

LR: 0.05

Epoch #: 7

Epoch: 7 Training Loss: 116.775472 Validation Loss: 112.644982

Time: 1353.20924782753

Current Time = 03:30:48

LR: 0.01

Epoch #: 8

Epoch: 8 Training Loss: 116.769108 Validation Loss: 112.561003

Time: 1352.069590330124

Current Time = 03:53:21

LR: 0.01

Epoch #: 9

Epoch: 9 Training Loss: 116.776836 Validation Loss: 112.560837

Time: 1351.34202170372

Current Time = 04:15:52

LR: 0.01

Epoch #: 10

Epoch: 10 Training Loss: 116.778264 Validation Loss: 112.596697

Time: 1352.9926233291626

Current Time = 04:38:25

LR: 0.01

Epoch #: 11

Epoch: 11 Training Loss: 116.780842 Validation Loss: 112.599929

Time: 1353.0015902519226

Current Time = 05:00:58

LR: 0.01

Epoch #: 12

Epoch: 12 Training Loss: 116.774020 Validation Loss: 112.574196

Time: 1355.111060142517

Current Time = 05:23:33

LR: 0.01

Epoch #: 13

Epoch: 13 Training Loss: 116.776390 Validation Loss: 112.612581

Time: 1349.7243115901947

Current Time = 05:46:03

LR: 0.005

Epoch #: 14

Epoch: 14 Training Loss: 116.773996 Validation Loss: 112.601993

Time: 1348.3041279315948

Current Time = 06:08:31

LR: 0.005

Epoch #: 15

Epoch: 15 Training Loss: 116.774951 Validation Loss: 112.620312

Time: 1346.9698877334595

Current Time = 06:30:58

LR: 0.005

Epoch #: 16

Epoch: 16 Training Loss: 116.775569 Validation Loss: 112.614846

Time: 1346.9113981723785

Current Time = 06:53:25

LR: 0.005

Epoch #: 17

Epoch: 17 Training Loss: 116.772683 Validation Loss: 112.627898

Time: 1352.329754114151

Current Time = 07:15:57

LR: 0.005

Epoch #: 18

Epoch: 18 Training Loss: 116.771050 Validation Loss: 112.623753

Time: 1343.5757224559784

Current Time = 07:38:21

LR: 0.001

Epoch #: 19

Epoch: 19 Training Loss: 116.770418 Validation Loss: 112.621351

Time: 1347.0099713802338

Current Time = 08:00:48

LR: 0.001

Epoch #: 20

Epoch: 20 Training Loss: 116.770475 Validation Loss: 112.619755

Time: 1347.637589931488

Current Time = 08:23:15

LR: 0.001

Epoch #: 21

Epoch: 21 Training Loss: 116.770382 Validation Loss: 112.616610

Time: 1345.25058054924

Current Time = 08:45:41

LR: 0.001

Epoch #: 22

Epoch: 22 Training Loss: 116.770747 Validation Loss: 112.615926

Time: 1348.2917392253876

Current Time = 09:08:09

LR: 0.001

Operation Complete

[155.07560673095077, 116.7984900821039, 116.78572235127729, 116.81421685745528, 116.79478367878333, 116.80885820081649, 116.77547176829164, 116.76910810594963, 116.77683554845571, 116.77826445465047, 116.78084242848408, 116.77401991502256, 116.77638995942519, 116.77399586120882, 116.77495147181153, 116.77556926797355, 116.77268348553729, 116.77104981731854, 116.77041832398696, 116.7704752175009, 116.77038170411163, 116.77074733528013]

[112.61496131943169, 112.65507364117605, 112.51967927873218, 112.61826717481537, 112.79042125003639, 112.60519649752584, 112.6449823277353, 112.5610030182695, 112.56083742451767, 112.5966966057801, 112.59992934050646, 112.57419612832996, 112.61258063918221, 112.60199329250071, 112.62031233938117, 112.61484611806172, 112.62789817493795, 112.62375309326285, 112.6213509462354, 112.61975545399012, 112.61660982832889, 112.6159255405776]

[1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22]

[0.05, 0.05, 0.05, 0.05, 0.05, 0.05, 0.01, 0.01, 0.01, 0.01, 0.01, 0.01, 0.005, 0.005, 0.005, 0.005, 0.005, 0.001, 0.001, 0.001, 0.001, 0.001]

CUDA is available! Training on GPU ...

test loss from 0 : 8.705543518066406

Output of network: tensor([12.8590, 15.7529, -0.3846, 12.2453, 9.3890, 4.3938, 2.5041, 24.0620,

28.4192, 1.5286, 12.6894, 26.6492, 22.8743, 0.9076, 1.4365, -0.0561,

1.4544, 1.8497, 27.9742, 2.8806, 2.1493, 38.4997, 14.5286, 0.3495,

25.0275, 28.5833, 0.9340, 1.0857, 12.7810, 0.6429, 21.6899, 0.4041,

14.1196, 5.7087, 1.1327, 1.4717, 5.4660, 0.6382, 15.6079, 0.6562,

0.2129, 19.7411, 14.8339, 10.6008, 0.9039, 0.7554, 26.4753, 0.6610,

0.7440, 2.2295, -0.2550, 1.0393, 12.0048, 1.5124, 0.5966, 5.7378,

20.1925, 9.6816, 24.3721, 12.1435], device='cuda:0')

Target Values: tensor([ 8.8612, 13.8704, 0.0000, 14.0826, 16.7069, 9.9999, 3.4293, 27.1545,

30.5333, 0.0000, 15.6925, 29.5445, 17.7824, 0.0000, 0.0000, 0.0000,

0.0000, 0.0000, 25.2060, 2.0798, 0.0000, 38.5423, 16.9126, 0.0000,

16.4176, 29.5312, 0.3041, 0.0000, 12.5302, 0.0000, 24.8735, 0.0000,

17.3701, 11.4069, 0.0000, 0.0000, 10.6400, 0.0000, 18.6133, 1.3700,

0.0000, 19.7065, 11.1615, 11.7912, 0.0000, 0.0000, 24.8396, 0.0000,

0.0000, 7.3082, 0.0000, 0.0000, 7.7832, 0.0000, 0.0000, 6.3207,

11.6752, 10.5683, 21.4631, 14.6868], device='cuda:0')

test loss from 1 : 19.2954044342041

Output of network: tensor([-2.0958e-01, 5.8459e+00, 1.0143e+00, 7.1632e+00, 4.8022e+00,

3.2162e+01, -1.6499e-01, 4.1955e+00, 2.1321e+01, 1.7452e+00,

2.0499e+01, 2.2804e+01, 1.4962e+00, 1.6939e+01, 4.2155e-01,

5.8438e-01, 2.2087e+01, 8.6865e+00, 2.9166e+00, -5.0487e-02,

1.9322e+01, 1.1800e+01, 6.8342e+00, 2.1047e+01, 5.2732e-01,

1.1598e+01, 7.1677e-01, 7.3235e+00, 6.1871e-01, 6.5771e+00,

2.8177e-01, -3.0924e-02, 1.7211e+00, 2.8851e+01, 2.8747e+01,

2.1755e+01, 3.6909e+00, 6.9330e-01, 1.2713e+01, 1.7410e+00,

4.7987e-01, 1.2137e-01, 1.5661e+00, 5.2084e+00, 1.3335e+00,

2.4213e+01, 1.6177e+01, 4.3340e-01, 2.3508e+01, 7.7845e-01,

2.1756e+01, 1.0075e+01, 3.2186e+01, 9.4386e-02, 6.3110e-01,

2.0361e+01, 8.5444e+00, -2.5540e-01, 1.5612e+00, 2.3965e+01],

device='cuda:0')

Target Values: tensor([ 0.0000, 8.8836, 0.0000, 3.9808, 0.0000, 35.3616, 0.0000, 8.7341,

18.8295, 0.0000, 4.9553, 23.4208, 0.0000, 21.5092, 0.0000, 0.0000,

24.8610, 9.5255, 2.5500, 0.0000, 23.5689, 17.3183, 19.7555, 15.2632,

0.0000, 17.8977, 0.0000, 10.4797, 0.0000, 2.3082, 0.0000, 0.0000,

0.0000, 24.6775, 26.0920, 21.3098, 15.4230, 0.0000, 7.2828, 0.0000,

0.0000, 0.0000, 0.0000, 6.9969, 0.0000, 26.4705, 17.4570, 0.0000,

34.9331, 0.0000, 15.9750, 14.6657, 36.8551, 0.0000, 0.0000, 22.8363,

10.6708, 0.0000, 0.0000, 30.8990], device='cuda:0')

test loss from 2 : 10.496196746826172

Output of network: tensor([ 0.2734, 29.1792, 10.5311, 7.6476, 23.0202, 0.9171, 9.0765, 24.5003,

-0.1138, 0.8546, 6.5444, 25.4357, 26.7582, 1.0861, 16.7849, 13.2328,

0.4852, 17.3631, 2.0132, 1.7549, 0.7461, 0.0931, 13.1431, 8.1630,

17.0981, 25.9824, 1.1004, 3.5098, 0.3564, 23.0672, 0.1343, 1.7985,

18.5041, 7.5597, 16.9434, 0.6883, 1.9616, 0.8367, 30.0440, 3.4298,

0.6017, 24.5779, 1.4094, 0.5056, 1.1673, 9.1705, 1.6822, 0.8917,

15.1187, 1.2500, 1.0251, 0.3856, 0.8574, 26.4744, 1.0751, 6.6365,

20.3987, 3.2248, 1.5105, -0.1274], device='cuda:0')

Target Values: tensor([ 0.0000, 30.3332, 12.7003, 8.8241, 28.1160, 0.0000, 11.6962, 24.7370,

0.0000, 0.0000, 1.0218, 27.6596, 16.2146, 0.0000, 17.5418, 12.8928,

0.0000, 24.4852, 0.0000, 0.2876, 0.0000, 0.0000, 14.9423, 4.9714,

23.5549, 35.8561, 0.0000, 3.6860, 0.0000, 27.5434, 0.0000, 0.0000,

18.4218, 11.1464, 15.5024, 0.0000, 0.0000, 0.0000, 32.9471, 1.8823,

0.0000, 27.8203, 0.0000, 0.0000, 0.0000, 12.8780, 6.5691, 0.0000,

14.9092, 0.0000, 0.0000, 0.0000, 0.0000, 22.6217, 0.0000, 16.0596,

17.1985, 4.1097, 0.3859, 0.0000], device='cuda:0')

test loss from 3 : 12.788207054138184

Output of network: tensor([ 2.8274, 0.8007, 22.7725, 20.3148, 1.8042, 0.2483, 0.1963, 0.0913,

9.2577, 3.2375, 21.2623, 0.9424, 1.4232, -0.0362, 1.0688, 13.6546,

17.5111, 0.0604, 15.8413, 1.3606, 3.6964, 2.8575, 14.5004, 0.8636,

0.6080, 1.9463, 0.7398, 2.7951, 6.9782, 0.3348, 0.3065, 1.5154,

24.7812, 16.6861, 1.5686, 25.6181, 21.4403, 2.2357, -0.1252, 1.1134,

31.7707, 0.0528, 18.8218, 0.7275, 5.2120, 5.2083, 20.1649, 0.0837,

1.2951, 29.6354, 0.4323, 1.1300, 3.0348, 22.6236, 4.6500, 0.5654,

4.5644, 24.4027, 0.4916, 0.6303], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 27.3509, 20.7218, 0.0000, 0.0000, 0.0000, 0.0000,

7.0335, 0.0000, 20.8146, 0.0000, 0.0000, 0.0000, 0.0000, 18.9435,

17.1624, 0.0000, 16.0435, 0.0000, 3.9912, 0.4020, 16.9740, 0.0000,

0.0000, 6.6065, 0.0000, 8.8143, 12.4586, 0.0000, 0.0000, 3.6128,

24.4785, 20.2865, 0.0000, 28.2208, 8.5541, 0.0000, 0.0000, 0.0000,

26.0233, 0.0000, 20.8026, 0.0000, 12.3931, 0.0000, 29.9679, 0.0000,

0.0571, 31.1037, 0.0000, 0.0000, 4.7707, 23.4603, 3.5322, 0.0000,

5.5860, 14.6444, 8.4928, 0.0000], device='cuda:0')

test loss from 4 : 24.483806610107422

Output of network: tensor([-0.6132, 4.4792, 2.5046, 1.3141, 1.3654, 0.3290, -0.1378, 0.3125,

20.3119, 18.9050, 22.2246, 1.9696, 20.5508, 27.3779, 17.2524, 15.0465,

31.2526, 4.1026, 9.4269, 0.7494, 2.0180, 18.6946, 3.3630, 3.3052,

14.9214, 4.1877, 24.5331, 15.4554, -0.3697, 0.2900, 0.5441, 0.0332,

0.6320, 1.1954, 3.1088, 0.3125, 7.9123, 1.6731, 1.6525, 23.5415,

-0.0559, 4.2173, 6.5681, 20.8453, 2.7348, 14.0539, 0.9795, 0.1389,

19.7325, 30.3309, 2.3288, 1.8055, -0.3422, 12.4571, 0.1698, 17.7040,

1.4045, -0.0969, 30.5629, 3.1187], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 0.0000, 0.0000, 0.0000, 0.0000, 0.0000,

18.6537, 20.8849, 42.4520, 7.0393, 23.0453, 22.6090, 20.0027, 16.0287,

33.2862, 2.6317, 18.0532, 0.0000, 0.0000, 20.0875, 0.0000, 7.0383,

31.7541, 1.9625, 21.5845, 20.0222, 0.0000, 0.0000, 0.0000, 0.0000,

0.0000, 0.0000, 0.0000, 0.0000, 12.1533, 3.2195, 0.0000, 23.5890,

0.0000, 2.7716, 8.5894, 38.0756, 0.0000, 18.3873, 0.0000, 0.0000,

23.2249, 36.8842, 0.0000, 0.0000, 0.0000, 3.7744, 0.0000, 21.5712,

0.0000, 0.0000, 28.2606, 1.7068], device='cuda:0')

test loss from 5 : 11.583172798156738

Output of network: tensor([25.9391, 1.4711, 1.5509, 1.0903, 0.8451, 1.5750, 0.9258, 1.0597,

0.1332, 1.5078, 8.1424, 3.9436, 5.2426, 0.1681, 31.8813, 3.7565,

21.1010, 0.5021, 21.1652, 16.6290, 2.5268, 21.2459, 1.4284, 20.1576,

1.1873, 0.6346, 16.0454, 21.5749, 2.6325, 0.2068, 22.3933, 22.9409,

1.8109, 9.4814, 2.2726, 4.6595, 24.2114, 1.1973, 9.3890, 0.9737,

0.3817, 3.2877, 0.5077, 1.5691, 25.3746, -0.2510, 28.7341, 2.0958,

24.1164, 32.0965, 0.7170, 34.4629, 19.9223, 14.5996, 1.2119, 3.9284,

-0.0782, 7.0965, 25.5264, 6.4848], device='cuda:0')

Target Values: tensor([32.5708, 3.9615, 2.5529, 0.0000, 0.0000, 0.0000, 0.0000, 0.0000,

0.0000, 1.2150, 9.4160, 5.4666, 13.2754, 0.0000, 36.7404, 0.3302,

26.5250, 0.2809, 22.9336, 19.3509, 3.9371, 15.4149, 10.4801, 23.4072,

0.0000, 0.0000, 15.1465, 24.6982, 3.2024, 0.0000, 29.2334, 24.6838,

0.0000, 9.3100, 0.0000, 9.8905, 25.6671, 0.0000, 6.6951, 0.0000,

0.0000, 3.9883, 0.0000, 0.0000, 22.3201, 0.0000, 24.2257, 0.0000,

23.9998, 26.5196, 0.2127, 41.5678, 21.7133, 16.0887, 3.4928, 0.0000,

0.0000, 16.4062, 25.5163, 11.2581], device='cuda:0')

test loss from 6 : 13.554101943969727

Output of network: tensor([22.2246, 6.0470, 21.7611, 27.4144, 2.6340, 2.2164, 18.9301, 25.2858,

0.7107, 0.4372, 0.9210, 3.9535, 18.2637, 0.3961, 0.6879, 28.7474,

0.6347, 15.7088, 0.2770, 24.3999, -0.6282, 0.0298, 1.0523, -1.1279,

16.1600, 0.3795, 1.9632, 0.8288, 19.0213, 2.5543, 26.4818, 1.0209,

26.9810, 0.2932, 3.7189, 0.3173, 1.2918, 20.3049, -0.2841, 26.5941,

0.8347, 0.5170, 0.0850, 7.9953, 7.1982, 19.3707, 20.3310, 0.1957,

2.7315, 13.7008, 22.0937, 16.0796, -0.0333, 1.6782, 16.1911, 27.9657,

20.2500, 4.4978, 1.5055, -0.1137], device='cuda:0')

Target Values: tensor([22.2571, 12.2480, 26.6621, 30.1222, 0.0000, 0.0000, 27.6280, 23.9268,

0.0000, 0.0000, 0.0000, 4.0756, 16.6665, 0.0000, 0.0000, 25.7475,

0.0000, 21.4920, 0.0000, 26.1588, 0.0000, 0.0000, 0.0000, 0.0000,

11.4460, 0.0000, 0.0000, 0.0000, 20.4960, 0.0000, 28.7621, 0.0000,

34.9031, 0.0000, 3.0475, 0.0000, 0.0000, 23.5786, 0.0000, 31.6879,

0.0000, 0.0000, 0.0000, 15.6044, 1.3522, 19.5220, 26.9254, 0.0000,

0.0000, 16.4842, 22.3679, 20.1161, 0.0000, 1.3970, 16.3637, 44.0830,

22.7685, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 7 : 12.913476943969727

Output of network: tensor([ 1.9461e+01, 8.6911e-01, 1.8497e+01, 9.6847e-01, 2.5832e+00,

1.9610e+01, 6.5421e+00, 2.2988e+01, 9.5301e-01, 2.1243e+01,

2.5473e+01, 8.2382e-01, 1.9737e+01, 1.8964e+00, -1.0241e-01,

4.7249e+00, 1.6065e+01, 2.5643e+00, 1.2783e+01, 3.0110e+01,

3.6653e+00, 2.5169e-01, 6.3554e-01, 2.0451e+00, -1.5747e-02,

2.0079e+01, 2.9537e+01, 1.1748e+00, 2.4377e+01, 2.4387e+01,

9.7435e+00, 1.5192e+01, 4.5119e+00, 2.7813e-01, 1.0324e-01,

2.2461e+00, 1.4191e+00, 1.9347e+01, 6.3877e-01, 1.0215e+00,

1.8447e+01, 5.3009e-01, 1.4770e+00, 6.7771e+00, 1.6376e+01,

5.1839e-01, 5.8451e+00, 2.1807e-01, 4.5614e-01, -3.9300e-01,

9.9814e-01, 1.5096e+00, 3.9365e+00, 8.2083e-01, 1.0480e+00,

4.7754e-01, 3.9141e+00, 6.2859e-01, 1.5373e-01, 1.3022e+00],

device='cuda:0')

Target Values: tensor([21.3546, 0.0000, 23.3385, 0.0000, 0.0000, 19.8620, 7.0483, 17.4719,

0.0000, 18.1507, 36.8295, 0.0000, 17.0595, 0.0000, 0.0000, 9.9213,

16.9256, 0.4880, 10.9727, 25.4200, 5.2127, 0.0000, 0.0000, 7.8973,

0.0000, 25.0267, 32.9778, 0.0000, 26.4203, 28.0106, 8.5298, 14.7567,

5.3239, 0.0000, 0.0000, 6.6921, 1.9009, 22.9074, 0.0000, 0.0000,

17.9064, 0.0000, 0.0000, 0.7110, 13.3438, 0.0000, 4.8280, 0.0000,

0.0000, 0.0000, 0.0000, 0.0000, 2.7692, 0.0000, 0.0000, 0.0000,

21.5934, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 8 : 17.5146484375

Output of network: tensor([ 1.1547e+00, 6.4469e-01, 7.1847e-01, 1.3015e+01, 3.0730e+00,

5.6287e-01, 2.8638e+01, 1.9760e+01, -7.4315e-01, 4.0493e-01,

1.7152e+01, 8.0663e-01, 6.7500e-01, 1.8639e+00, 1.1879e+00,

2.1842e+01, 2.2551e+01, 2.9274e-01, 2.1970e+01, 2.5559e+00,

2.5473e+00, 4.0686e-01, 2.2220e+01, 1.4582e+00, 1.6157e+01,

8.4276e-01, 8.6917e-02, 1.8685e+01, 1.9430e+01, 5.2185e-01,

2.4072e+01, 1.3880e+00, 7.2376e-02, 1.8958e+01, 3.3833e+01,

-3.2597e-02, 2.7622e+00, 4.8847e+00, 1.0169e+01, 1.0324e-01,

1.7535e+01, 1.0364e+00, 2.0061e+01, 2.3304e+01, 1.8160e+00,

1.2028e+01, 2.6264e+01, 2.1584e+01, 3.4352e+01, 2.3442e+01,

1.4229e-02, 8.9025e-01, 9.0412e-01, 8.6122e-01, 1.3424e+01,

6.6600e-01, 7.1298e-01, -7.4315e-01, 4.0831e+00, 9.3119e-02],

device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 16.2606, 0.0000, 0.0000, 33.7366, 17.6511,

0.0000, 0.0000, 18.4145, 0.0000, 0.0000, 0.0000, 0.2900, 25.7826,

22.1670, 0.0000, 21.7065, 6.0708, 0.0000, 0.0000, 23.7122, 0.3803,

15.8627, 0.0000, 0.0000, 17.6050, 17.8503, 0.0000, 24.7318, 1.2395,

0.0000, 24.8604, 38.0996, 0.0000, 0.0000, 13.5791, 7.3344, 0.0000,

16.3223, 0.0000, 27.7638, 28.1983, 0.0000, 9.7382, 20.9213, 22.3828,

36.2873, 31.1309, 0.0000, 0.0000, 0.0000, 0.0000, 37.8266, 0.0000,

0.0000, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 9 : 13.379350662231445

Output of network: tensor([ 0.4738, 2.0242, 2.1891, 1.7397, 0.6540, 15.1079, 9.5563, 2.2610,

8.8533, 1.4498, 1.9822, 0.5410, 2.4385, -0.2734, 30.5359, 1.1825,

30.2123, -0.2430, 0.4738, 35.0850, -0.1096, 20.0114, 0.5589, 21.7060,

32.3497, 3.3175, 7.1785, 4.1027, 1.6175, 1.5194, 0.7291, 13.2052,

0.3466, 6.7929, 2.2619, 15.3283, 14.5004, 2.5940, 2.9194, 0.5937,

9.2813, -0.6042, 23.9158, 0.0380, 0.3510, -0.2696, 31.3495, 0.1774,

0.8865, 23.3035, 29.2256, -0.2221, 1.2532, 0.5136, 13.8786, 4.6375,

11.2912, 8.6069, 11.4064, 33.1026], device='cuda:0')

Target Values: tensor([ 0.0000, 2.3020, 0.0000, 4.0143, 0.0000, 20.7776, 16.0000, 0.0000,

17.8555, 0.0000, 0.0000, 0.0000, 0.0000, 0.0000, 34.6357, 0.0000,

25.6045, 0.0000, 0.0000, 39.8455, 0.0000, 11.5262, 0.0000, 25.3086,

34.2564, 7.7979, 8.5917, 0.0000, 0.0000, 0.0000, 0.0000, 14.8221,

0.0000, 5.7044, 0.0000, 17.7644, 16.4708, 0.4104, 0.0000, 0.0000,

17.3969, 0.0000, 28.4139, 0.0000, 0.0000, 0.0000, 22.1028, 0.0000,

0.0000, 22.3774, 29.9852, 0.0000, 3.0627, 0.0000, 15.5124, 10.1516,

15.7410, 20.4040, 15.1884, 35.8185], device='cuda:0')

Test Loss (mean squared error): 3.372026

Test Loss Real (mean squared error): 4.478966

Time: 198.70813512802124

Max loss: 25.87344741821289

targets: [-10.0, -10.0, -10.0]

output: [-10.0, -10.0, -10.0]

max\_count: 50

ALL ABOVE is model\_BCI\_FULL\_short

# March

Epoch #: 1

Epoch: 1 Training Loss: 37.658272 Validation Loss: 48.859951

Validation loss decreased (inf --> 48.859951). Saving model ...

Time: 139.02056908607483

Current Time = 10:14:14

LR: 0.001

Epoch #: 2

Epoch: 2 Training Loss: 28.106911 Validation Loss: 18.831976

Validation loss decreased (48.859951 --> 18.831976). Saving model ...

Time: 126.61881828308105

Current Time = 10:16:20

LR: 0.001

Epoch #: 3

Epoch: 3 Training Loss: 22.481068 Validation Loss: 13.439075

Validation loss decreased (18.831976 --> 13.439075). Saving model ...

Time: 130.10855793952942

Current Time = 10:18:30

LR: 0.001

Epoch #: 4

Epoch: 4 Training Loss: 18.102264 Validation Loss: 10.802274

Validation loss decreased (13.439075 --> 10.802274). Saving model ...

Time: 126.71271872520447

Current Time = 10:20:37

LR: 0.001

Epoch #: 5

Epoch: 5 Training Loss: 14.970316 Validation Loss: 8.732259

Validation loss decreased (10.802274 --> 8.732259). Saving model ...

Time: 123.13286066055298

Current Time = 10:22:40

LR: 0.001

Epoch #: 6

Epoch: 6 Training Loss: 12.164286 Validation Loss: 7.210446

Validation loss decreased (8.732259 --> 7.210446). Saving model ...

Time: 124.4181969165802

Current Time = 10:24:45

LR: 0.001

Epoch #: 7

Epoch: 7 Training Loss: 11.483439 Validation Loss: 6.917342

Validation loss decreased (7.210446 --> 6.917342). Saving model ...

Time: 125.13877487182617

Current Time = 10:26:50

LR: 0.001

Epoch #: 8

Epoch: 8 Training Loss: 10.151414 Validation Loss: 6.124235

Validation loss decreased (6.917342 --> 6.124235). Saving model ...

Time: 122.06102728843689

Current Time = 10:28:52

LR: 0.001

Epoch #: 9

Epoch: 9 Training Loss: 10.243111 Validation Loss: 11.983597

Time: 122.19614052772522

Current Time = 10:30:54

LR: 0.001

Epoch #: 10

Epoch: 10 Training Loss: 9.985783 Validation Loss: 5.531937

Validation loss decreased (6.124235 --> 5.531937). Saving model ...

Time: 121.89977097511292

Current Time = 10:32:56

LR: 0.001

Epoch #: 11

Epoch: 11 Training Loss: 9.223156 Validation Loss: 5.105700

Validation loss decreased (5.531937 --> 5.105700). Saving model ...

Time: 121.69847202301025

Current Time = 10:34:58

LR: 0.001

Epoch #: 12

Epoch: 12 Training Loss: 8.751811 Validation Loss: 4.811626

Validation loss decreased (5.105700 --> 4.811626). Saving model ...

Time: 121.26662683486938

Current Time = 10:36:59

LR: 0.001

Epoch #: 13

Epoch: 13 Training Loss: 8.641826 Validation Loss: 4.955979

Time: 121.8369631767273

Current Time = 10:39:01

LR: 0.001

Epoch #: 14

Epoch: 14 Training Loss: 8.042670 Validation Loss: 4.700053

Validation loss decreased (4.811626 --> 4.700053). Saving model ...

Time: 121.828125

Current Time = 10:41:03

LR: 0.001

Epoch #: 15

Epoch: 15 Training Loss: 8.282788 Validation Loss: 5.835778

Time: 122.11136770248413

Current Time = 10:43:05

LR: 0.001

Epoch #: 16

Epoch: 16 Training Loss: 7.711941 Validation Loss: 6.486150

Time: 122.53224229812622

Current Time = 10:45:07

LR: 0.001

Epoch #: 17

Epoch: 17 Training Loss: 7.694754 Validation Loss: 7.552751

Time: 122.02260494232178

Current Time = 10:47:09

LR: 0.001

Epoch #: 18

Epoch: 18 Training Loss: 7.911830 Validation Loss: 4.521609

Validation loss decreased (4.700053 --> 4.521609). Saving model ...

Time: 121.52493596076965

Current Time = 10:49:11

LR: 0.001

Epoch #: 19

Epoch: 19 Training Loss: 7.092559 Validation Loss: 5.465538

Time: 121.60871267318726

Current Time = 10:51:12

LR: 0.001

Epoch #: 20

Epoch: 20 Training Loss: 7.246141 Validation Loss: 5.755381

Time: 121.89796710014343

Current Time = 10:53:14

LR: 0.001

Epoch #: 21

Epoch: 21 Training Loss: 7.045011 Validation Loss: 4.088367

Validation loss decreased (4.521609 --> 4.088367). Saving model ...

Time: 121.57978868484497

Current Time = 10:55:16

LR: 0.001

Epoch #: 22

Epoch: 22 Training Loss: 6.248569 Validation Loss: 4.011995

Validation loss decreased (4.088367 --> 4.011995). Saving model ...

Time: 121.84707403182983

Current Time = 10:57:18

LR: 0.001

Epoch #: 23

Epoch: 23 Training Loss: 6.716198 Validation Loss: 3.746633

Validation loss decreased (4.011995 --> 3.746633). Saving model ...

Time: 128.12228894233704

Current Time = 10:59:26

LR: 0.001

Epoch #: 24

Epoch: 24 Training Loss: 6.357537 Validation Loss: 3.860777

Time: 122.70229458808899

Current Time = 11:01:29

LR: 0.001

Epoch #: 25

Epoch: 25 Training Loss: 6.428567 Validation Loss: 4.096196

Time: 121.75432205200195

Current Time = 11:03:30

LR: 0.001

Epoch #: 26

Epoch: 26 Training Loss: 6.529740 Validation Loss: 3.947903

Time: 121.81017231941223

Current Time = 11:05:32

LR: 0.001

Epoch #: 27

Epoch: 27 Training Loss: 5.940009 Validation Loss: 4.106793

Time: 121.8251326084137

Current Time = 11:07:34

LR: 0.001

Epoch #: 28

Epoch: 28 Training Loss: 5.922999 Validation Loss: 3.647741

Validation loss decreased (3.746633 --> 3.647741). Saving model ...

Time: 121.7772605419159

Current Time = 11:09:36

LR: 0.001

Epoch #: 29

Epoch: 29 Training Loss: 6.139152 Validation Loss: 3.818303

Time: 121.75432205200195

Current Time = 11:11:38

LR: 0.001

Epoch #: 30

Epoch: 30 Training Loss: 5.826471 Validation Loss: 3.467564

Validation loss decreased (3.647741 --> 3.467564). Saving model ...

Time: 121.56083869934082

Current Time = 11:13:39

LR: 0.001

Epoch #: 31

Epoch: 31 Training Loss: 5.850053 Validation Loss: 3.186732

Validation loss decreased (3.467564 --> 3.186732). Saving model ...

Time: 121.77825856208801

Current Time = 11:15:41

LR: 0.001

Epoch #: 32

Epoch: 32 Training Loss: 5.513929 Validation Loss: 3.441599

Time: 121.65259504318237

Current Time = 11:17:43

LR: 0.001

Epoch #: 33

Epoch: 33 Training Loss: 5.532675 Validation Loss: 3.613059

Time: 121.65658330917358

Current Time = 11:19:44

LR: 0.001

Epoch #: 34

Epoch: 34 Training Loss: 5.592573 Validation Loss: 2.844865

Validation loss decreased (3.186732 --> 2.844865). Saving model ...

Time: 121.96029376983643

Current Time = 11:21:46

LR: 0.001

Epoch #: 35

Epoch: 35 Training Loss: 5.136543 Validation Loss: 3.861967

Time: 121.73492050170898

Current Time = 11:23:48

LR: 0.001

Epoch #: 36

Epoch: 36 Training Loss: 5.130080 Validation Loss: 3.112200

Time: 121.5757999420166

Current Time = 11:25:50

LR: 0.001

Epoch #: 37

Epoch: 37 Training Loss: 4.708572 Validation Loss: 3.842345

Time: 121.76529288291931

Current Time = 11:27:51

LR: 0.001

Epoch #: 38

Epoch: 38 Training Loss: 5.318580 Validation Loss: 3.545924

Time: 121.42473912239075

Current Time = 11:29:53

LR: 0.001

Epoch #: 39

Epoch: 39 Training Loss: 5.364791 Validation Loss: 3.503247

Time: 121.79720687866211

Current Time = 11:31:55

LR: 0.001

Epoch #: 40

Epoch: 40 Training Loss: 5.079371 Validation Loss: 2.869303

Time: 121.26562833786011

Current Time = 11:33:56

LR: 0.001

Epoch #: 41

Epoch: 41 Training Loss: 4.963352 Validation Loss: 2.709395

Validation loss decreased (2.844865 --> 2.709395). Saving model ...

Time: 124.9692862033844

Current Time = 11:36:01

LR: 0.0009699999999999999

Epoch #: 42

Epoch: 42 Training Loss: 4.884148 Validation Loss: 3.051647

Time: 123.37014245986938

Current Time = 11:38:04

LR: 0.0009408999999999999

Epoch #: 43

Epoch: 43 Training Loss: 4.890610 Validation Loss: 3.424727

Time: 130.18343138694763

Current Time = 11:40:14

LR: 0.0009126729999999999

Epoch #: 44

Epoch: 44 Training Loss: 4.681749 Validation Loss: 2.966604

Time: 132.40221571922302

Current Time = 11:42:27

LR: 0.0008852928099999999

Epoch #: 45

Epoch: 45 Training Loss: 4.411620 Validation Loss: 3.185916

Time: 131.35962891578674

Current Time = 11:44:38

LR: 0.0008587340256999998

Epoch #: 46

Epoch: 46 Training Loss: 4.682928 Validation Loss: 2.730484

Time: 128.2988157272339

Current Time = 11:46:46

LR: 0.0008329720049289999

Epoch #: 47

Epoch: 47 Training Loss: 4.327414 Validation Loss: 2.963663

Time: 123.53790235519409

Current Time = 11:48:50

LR: 0.0008079828447811299

Epoch #: 48

Epoch: 48 Training Loss: 4.211925 Validation Loss: 2.649852

Validation loss decreased (2.709395 --> 2.649852). Saving model ...

Time: 122.97705078125

Current Time = 11:50:53

LR: 0.0007837433594376959

Epoch #: 49

Epoch: 49 Training Loss: 4.242333 Validation Loss: 2.519642

Validation loss decreased (2.649852 --> 2.519642). Saving model ...

Time: 123.2862241268158

Current Time = 11:52:56

LR: 0.000760231058654565

Epoch #: 50

Epoch: 50 Training Loss: 4.149464 Validation Loss: 2.604095

Time: 123.13562870025635

Current Time = 11:54:59

LR: 0.000737424126894928

Epoch #: 51

Epoch: 51 Training Loss: 4.335236 Validation Loss: 2.493966

Validation loss decreased (2.519642 --> 2.493966). Saving model ...

Time: 123.14066982269287

Current Time = 11:57:03

LR: 0.0007153014030880802

Epoch #: 52

Epoch: 52 Training Loss: 3.872686 Validation Loss: 2.622564

Time: 122.65037965774536

Current Time = 11:59:05

LR: 0.0006938423609954377

Epoch #: 53

Epoch: 53 Training Loss: 3.835311 Validation Loss: 2.489805

Validation loss decreased (2.493966 --> 2.489805). Saving model ...

Time: 123.14370894432068

Current Time = 12:01:08

LR: 0.0006730270901655745

Epoch #: 54

Epoch: 54 Training Loss: 4.151965 Validation Loss: 2.665286

Time: 122.94413995742798

Current Time = 12:03:11

LR: 0.0006528362774606073

Epoch #: 55

Epoch: 55 Training Loss: 3.713212 Validation Loss: 2.711882

Time: 123.00397992134094

Current Time = 12:05:14

LR: 0.0006332511891367891

Epoch #: 56

Epoch: 56 Training Loss: 3.944143 Validation Loss: 2.526075

Time: 122.85350894927979

Current Time = 12:07:17

LR: 0.0006142536534626854

Epoch #: 57

Epoch: 57 Training Loss: 4.100241 Validation Loss: 2.748478

Time: 123.17006015777588

Current Time = 12:09:20

LR: 0.0005958260438588048

Epoch #: 58

Epoch: 58 Training Loss: 4.095151 Validation Loss: 2.434910

Validation loss decreased (2.489805 --> 2.434910). Saving model ...

Time: 123.07978200912476

Current Time = 12:11:23

LR: 0.0005779512625430406

Epoch #: 59

Epoch: 59 Training Loss: 3.712962 Validation Loss: 2.271276

Validation loss decreased (2.434910 --> 2.271276). Saving model ...

Time: 122.99799489974976

Current Time = 12:13:26

LR: 0.0005606127246667494

Epoch #: 60

Epoch: 60 Training Loss: 3.612293 Validation Loss: 2.194477

Validation loss decreased (2.271276 --> 2.194477). Saving model ...

Time: 122.9578025341034

Current Time = 12:15:29

LR: 0.0005437943429267469

Epoch #: 61

Epoch: 61 Training Loss: 3.744449 Validation Loss: 2.957939

Time: 122.92120122909546

Current Time = 12:17:32

LR: 0.0005274805126389445

Epoch #: 62

Epoch: 62 Training Loss: 4.100066 Validation Loss: 2.247375

Time: 122.9112286567688

Current Time = 12:19:35

LR: 0.0005116560972597762

Epoch #: 63

Epoch: 63 Training Loss: 3.606979 Validation Loss: 2.211129

Time: 123.24034881591797

Current Time = 12:21:39

LR: 0.0004963064143419829

Epoch #: 64

Epoch: 64 Training Loss: 3.638100 Validation Loss: 2.455681

Time: 123.19945693016052

Current Time = 12:23:42

LR: 0.00048141722191172336

Epoch #: 65

Epoch: 65 Training Loss: 3.607796 Validation Loss: 3.021173

Time: 123.24433660507202

Current Time = 12:25:45

LR: 0.00046697470525437166

Epoch #: 66

Epoch: 66 Training Loss: 3.506904 Validation Loss: 2.410882

Time: 122.75664138793945

Current Time = 12:27:48

LR: 0.0004529654640967405

Epoch #: 67

Epoch: 67 Training Loss: 3.571572 Validation Loss: 2.473199

Time: 123.36143898963928

Current Time = 12:29:51

LR: 0.0004393765001738382

Epoch #: 68

Epoch: 68 Training Loss: 3.426045 Validation Loss: 2.339318

Time: 123.0608274936676

Current Time = 12:31:54

LR: 0.00042619520516862307

Epoch #: 69

Epoch: 69 Training Loss: 3.483899 Validation Loss: 2.584514

Time: 123.15734481811523

Current Time = 12:33:57

LR: 0.00041340934901356436

Epoch #: 70

Epoch: 70 Training Loss: 3.449504 Validation Loss: 2.377307

Time: 122.79154706001282

Current Time = 12:36:00

LR: 0.0004010070685431574

Epoch #: 71

Epoch: 71 Training Loss: 3.521333 Validation Loss: 2.495858

Time: 123.01195859909058

Current Time = 12:38:03

LR: 0.0003889768564868627

Epoch #: 72

Epoch: 72 Training Loss: 3.340856 Validation Loss: 2.161614

Validation loss decreased (2.194477 --> 2.161614). Saving model ...

Time: 123.74300241470337

Current Time = 12:40:07

LR: 0.0003773075507922568

Epoch #: 73

Epoch: 73 Training Loss: 3.172420 Validation Loss: 2.543387

Time: 123.4069013595581

Current Time = 12:42:10

LR: 0.0003659883242684891

Epoch #: 74

Epoch: 74 Training Loss: 3.321736 Validation Loss: 3.015619

Time: 123.62574076652527

Current Time = 12:44:14

LR: 0.00035500867454043444

Epoch #: 75

Epoch: 75 Training Loss: 3.140928 Validation Loss: 2.072548

Validation loss decreased (2.161614 --> 2.072548). Saving model ...

Time: 123.78389310836792

Current Time = 12:46:18

LR: 0.0003443584143042214

Epoch #: 76

Epoch: 76 Training Loss: 3.439990 Validation Loss: 2.173985

Time: 123.62132811546326

Current Time = 12:48:21

LR: 0.00033402766187509475

Epoch #: 77

Epoch: 77 Training Loss: 3.178504 Validation Loss: 2.370391

Time: 123.68267250061035

Current Time = 12:50:25

LR: 0.0003240068320188419

Epoch #: 78

Epoch: 78 Training Loss: 3.247340 Validation Loss: 2.061314

Validation loss decreased (2.072548 --> 2.061314). Saving model ...

Time: 123.1236584186554

Current Time = 12:52:28

LR: 0.00031428662705827666

Epoch #: 79

Epoch: 79 Training Loss: 3.380690 Validation Loss: 2.305773

Time: 123.51561117172241

Current Time = 12:54:32

LR: 0.00030485802824652835

Epoch #: 80

Epoch: 80 Training Loss: 3.249467 Validation Loss: 2.232183

Time: 123.29226851463318

Current Time = 12:56:35

LR: 0.0002957122873991325

Operation Complete

[37.65827169715679, 28.10691111327779, 22.481068375730434, 18.102264462085547, 14.970316157058933, 12.16428635770069, 11.483439005733148, 10.15141396227893, 10.243111335216323, 9.985782969352664, 9.223156094593516, 8.751811484244051, 8.641826022993392, 8.042670208829241, 8.28278797269207, 7.711941051999094, 7.694753825961525, 7.911829610993759, 7.092558655586594, 7.246140555599556, 7.045010793156464, 6.248569432374489, 6.716198268217079, 6.357537190843551, 6.428567166259865, 6.529739706272128, 5.940009119799509, 5.9229989721140655, 6.1391516046254875, 5.826470809939884, 5.850052676942191, 5.513929227498574, 5.532675483983205, 5.592572956640859, 5.136543179134539, 5.130080082528038, 4.708571956758143, 5.318580334373921, 5.364790780928011, 5.07937108885692, 4.963351644804714, 4.884148204117878, 4.890609630682677, 4.681749139600571, 4.411619803866112, 4.682928066539466, 4.327414160518502, 4.2119245346007625, 4.242333131942024, 4.149463744341886, 4.335236017136137, 3.8726861135660755, 3.8353109464796096, 4.151964735260959, 3.7132119504026306, 3.9441432743312066, 4.100241271647411, 4.095150874825809, 3.712961795466161, 3.6122932728541195, 3.744449008425914, 4.100066240834484, 3.6069793448505547, 3.638099521396622, 3.607796117981603, 3.5069039059900478, 3.5715721338761415, 3.4260448371410233, 3.4838990175795312, 3.449503799119714, 3.5213325366012938, 3.340855754759154, 3.1724197790196382, 3.321736028532504, 3.140927946530198, 3.4399895244076473, 3.1785037859824565, 3.247339582067526, 3.3806901286464344, 3.249466509560382]

[48.85995065548506, 18.831975940689148, 13.439075374983222, 10.802274336377938, 8.732259305587327, 7.210445709437488, 6.917342331958007, 6.124235294135918, 11.983597233950855, 5.531936867066114, 5.105699583828687, 4.8116261478201805, 4.9559794337863465, 4.70005256175045, 5.835777947389747, 6.486150152179825, 7.552750986826372, 4.521608851226677, 5.465537751457131, 5.755380538117838, 4.088366697034038, 4.011994868487238, 3.7466332512310303, 3.860777107338269, 4.0961958852065985, 3.947902948673503, 4.106793387062046, 3.6477412343975084, 3.818303343546818, 3.4675635170651624, 3.1867317977951344, 3.4415993003018825, 3.6130593407498415, 2.844865192158289, 3.861967210661605, 3.112199945486637, 3.8423446790868065, 3.5459239522061976, 3.503246675330804, 2.8693028272563716, 2.709395137797314, 3.051646606722082, 3.4247268673730087, 2.9666039291843473, 3.1859157969395953, 2.7304842846089623, 2.9636627637235766, 2.649851626787053, 2.519641563593154, 2.604095214629078, 2.493965734434555, 2.6225639106149217, 2.489805168542729, 2.665286039718356, 2.711882303643274, 2.5260753347816696, 2.7484782108985097, 2.434910459644291, 2.271276426683384, 2.194476709986825, 2.9579390624604853, 2.2473752555767614, 2.2111292296196834, 2.4556807207752507, 3.0211732859511775, 2.4108824221736405, 2.4731993797528316, 2.339317602546982, 2.584513745118541, 2.3773069276633967, 2.4958577017147703, 2.161614146603056, 2.543387160135574, 3.0156187540387727, 2.0725475866718597, 2.1739851425724677, 2.3703914130351458, 2.061314048757591, 2.3057731305401163, 2.232183356951195]

[1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80]

[0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.0009699999999999999, 0.0009408999999999999, 0.0009126729999999999, 0.0008852928099999999, 0.0008587340256999998, 0.0008329720049289999, 0.0008079828447811299, 0.0007837433594376959, 0.000760231058654565, 0.000737424126894928, 0.0007153014030880802, 0.0006938423609954377, 0.0006730270901655745, 0.0006528362774606073, 0.0006332511891367891, 0.0006142536534626854, 0.0005958260438588048, 0.0005779512625430406, 0.0005606127246667494, 0.0005437943429267469, 0.0005274805126389445, 0.0005116560972597762, 0.0004963064143419829, 0.00048141722191172336, 0.00046697470525437166, 0.0004529654640967405, 0.0004393765001738382, 0.00042619520516862307, 0.00041340934901356436, 0.0004010070685431574, 0.0003889768564868627, 0.0003773075507922568, 0.0003659883242684891, 0.00035500867454043444, 0.0003443584143042214, 0.00033402766187509475, 0.0003240068320188419, 0.00031428662705827666, 0.00030485802824652835, 0.0002957122873991325]

test loss from 0 : 1.4144481420516968

Output of network: tensor([ 0.0566, 0.2488, 14.1215, 0.5957, -0.0649, 0.6552], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 16.1392, 2.2976, 0.0000, 1.8592], device='cuda:0')

loss from this run: 1.4144481420516968

Output 3 : 14.12151050567627

Target 3 : 16.13922691345215

Target 4 : 2.297616481781006

test loss from 1 : 0.7600640058517456

Output of network: tensor([ 0.8965, 0.1000, -0.1553, -0.0250, 7.5731, 0.3491], device='cuda:0')

Target Values: tensor([0.3450, 0.0000, 0.0000, 0.0000, 9.5978, 0.0000], device='cuda:0')

loss from this run: 0.7600640058517456

Output 5 : 7.573068618774414

Target 5 : 9.597816467285156

test loss from 2 : 2.471204996109009

Output of network: tensor([17.5545, 0.7886, 16.2538, 17.1966, 11.9625, 19.0130], device='cuda:0')

Target Values: tensor([18.7153, 0.0000, 15.4333, 17.7399, 11.0774, 22.3456], device='cuda:0')

test loss from 2 : 0.94587242603302

Output of network: tensor([18.8928, 12.1011, 4.6134, 2.6016, 24.5212, 0.1828], device='cuda:0')

Target Values: tensor([18.8512, 12.6306, 2.5995, 1.4611, 24.5765, 0.0000], device='cuda:0')

test loss from 2 : 6.74555778503418

Output of network: tensor([14.2551, 3.9291, 0.4280, 0.2548, 16.0286, -0.0995], device='cuda:0')

Target Values: tensor([16.4426, 8.7128, 0.0000, 0.0000, 19.5706, 0.0000], device='cuda:0')

test loss from 2 : 0.8818467855453491

Output of network: tensor([ 7.2703, 15.2456, 0.2934, 0.3599, 0.4191, 11.1215], device='cuda:0')

Target Values: tensor([ 7.7990, 17.3673, 0.0000, 0.0000, 0.0000, 11.4660], device='cuda:0')

test loss from 2 : 0.6313908100128174

Output of network: tensor([ 0.3697, 0.2074, 0.2876, 0.3517, 17.9830, 0.5254], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 0.0000, 19.7512, 0.0000], device='cuda:0')

test loss from 2 : 0.307797372341156

Output of network: tensor([5.8784e-01, 7.2769e-01, 1.2147e+01, 5.4342e-01, 2.2046e+01, 1.1943e-02],

device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 11.8586, 0.4023, 22.9777, 0.0000], device='cuda:0')

test loss from 2 : 7.404851913452148

Output of network: tensor([ 0.5924, 4.0607, 19.9455, 0.5002, 0.1376, 10.5613], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 22.9768, 0.0000, 0.0000, 14.8193], device='cuda:0')

test loss from 2 : 7.928980827331543

Output of network: tensor([16.8608, 14.3137, 0.5220, 4.3521, 2.7271, 15.1831], device='cuda:0')

Target Values: tensor([15.2046, 15.3181, 0.0000, 3.8097, 8.6174, 12.2575], device='cuda:0')

test loss from 2 : 0.4299120604991913

Output of network: tensor([ 3.6941, 14.0267, 7.6491, 0.2876, 0.1053, 0.0593], device='cuda:0')

Target Values: tensor([ 4.3998, 13.2723, 8.8386, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 2.1705121994018555

Output of network: tensor([-0.3319, 3.2579, 0.4167, 19.0765, 0.4973, 19.6196], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 18.8295, 0.0000, 20.9678], device='cuda:0')

test loss from 2 : 1.2943719625473022

Output of network: tensor([12.1859, 0.1206, 15.7926, 0.2739, 19.4362, 14.9697], device='cuda:0')

Target Values: tensor([14.3427, 0.0000, 17.3370, 0.0000, 20.0644, 15.4649], device='cuda:0')

test loss from 2 : 0.13206332921981812

Output of network: tensor([0.3959, 0.6233, 0.3100, 0.1394, 0.3556, 0.0713], device='cuda:0')

Target Values: tensor([0., 0., 0., 0., 0., 0.], device='cuda:0')

test loss from 2 : 3.9383468627929688

Output of network: tensor([13.4443, 12.5858, 0.9324, 0.1895, 12.6657, 15.4126], device='cuda:0')

Target Values: tensor([14.4635, 10.6369, 5.0428, 0.0000, 11.8949, 14.2867], device='cuda:0')

test loss from 2 : 0.39676594734191895

Output of network: tensor([18.7118, 20.0258, 0.1928, 0.5376, 0.2634, 0.2682], device='cuda:0')

Target Values: tensor([19.8845, 20.7593, 0.0000, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 3.0549635887145996

Output of network: tensor([20.0935, 16.0433, 22.4463, 17.6747, 18.6876, 9.3875], device='cuda:0')

Target Values: tensor([18.9949, 18.7465, 23.3597, 16.0360, 19.2645, 11.8295], device='cuda:0')

test loss from 2 : 2.89471435546875

Output of network: tensor([ 0.2088, 0.3084, 17.4175, 20.8230, 0.3547, 20.7121], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 17.7401, 22.7145, 0.0000, 24.3757], device='cuda:0')

test loss from 2 : 1.0634169578552246

Output of network: tensor([ 0.3739, 0.2140, 10.6979, 10.9014, 16.0060, 9.0411], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 10.0858, 11.6011, 18.1711, 9.8429], device='cuda:0')

test loss from 2 : 2.5807547569274902

Output of network: tensor([18.3377, 13.7769, 13.3636, 0.4251, 0.1412, 10.0467], device='cuda:0')

Target Values: tensor([21.1745, 16.2319, 14.0835, 0.0000, 0.0000, 10.8781], device='cuda:0')

test loss from 2 : 0.4612575173377991

Output of network: tensor([ 0.4614, 0.1534, 0.0569, 0.3176, 15.2926, 0.4172], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 0.0000, 16.7936, 0.0000], device='cuda:0')

test loss from 2 : 2.3644633293151855

Output of network: tensor([19.7421, 20.4787, 1.3007, 21.1315, 1.7100, 0.9317], device='cuda:0')

Target Values: tensor([22.5269, 19.5331, 0.0000, 21.1214, 3.6272, 0.5199], device='cuda:0')

test loss from 2 : 1.3190373182296753

Output of network: tensor([ 0.0170, 15.6214, 2.3943, 0.0411, 0.6338, 11.7667], device='cuda:0')

Target Values: tensor([ 0.0000, 15.2305, 0.0000, 0.0000, 1.1031, 13.1109], device='cuda:0')

test loss from 2 : 0.8600760698318481

Output of network: tensor([-2.0986e-01, -4.1312e-03, 4.6027e-01, 1.9671e+01, 6.7515e+00,

1.0293e+01], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 19.6663, 7.6137, 12.3331], device='cuda:0')

test loss from 2 : 2.819312572479248

Output of network: tensor([15.0368, 17.7535, 6.5994, 5.8354, 15.3402, 15.0024], device='cuda:0')

Target Values: tensor([14.8221, 18.9432, 8.0004, 2.6254, 13.7754, 14.1427], device='cuda:0')

test loss from 2 : 3.549764394760132

Output of network: tensor([ 0.1752, 0.3751, 6.0399, 16.7965, 20.4899, 0.3484], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 1.9803, 16.9454, 18.3678, 0.0000], device='cuda:0')

test loss from 2 : 7.917491436004639

Output of network: tensor([21.1587, 18.4735, 0.3179, 0.6314, 0.4586, 0.1949], device='cuda:0')

Target Values: tensor([27.9360, 19.3818, 0.0000, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 8.791810989379883

Output of network: tensor([ 0.2534, 14.7217, 19.5468, 0.1268, 2.8192, 0.2854], device='cuda:0')

Target Values: tensor([ 0.0000, 15.5011, 20.4770, 0.0000, 9.9688, 0.0000], device='cuda:0')

test loss from 2 : 9.440670013427734

Output of network: tensor([ 0.4628, 3.5288, 6.0298, 19.2700, 18.5249, 13.1745], device='cuda:0')

Target Values: tensor([ 0.0000, 10.6746, 7.2959, 20.6543, 19.4445, 14.1757], device='cuda:0')

test loss from 2 : 5.042895317077637

Output of network: tensor([ 0.9701, 15.3366, 0.5710, 0.6228, 18.9934, 0.0702], device='cuda:0')

Target Values: tensor([ 0.0000, 15.7448, 0.0000, 0.0000, 24.3254, 0.0000], device='cuda:0')

test loss from 2 : 7.20370626449585

Output of network: tensor([1.6494e+01, 3.2886e-03, 1.7829e+01, 6.1250e-01, 6.3368e-01, 3.1799e-02],

device='cuda:0')

Target Values: tensor([18.7963, 0.0000, 23.9237, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 0.688240647315979

Output of network: tensor([11.8756, 14.0059, 0.3017, 0.2507, 17.6185, 0.0845], device='cuda:0')

Target Values: tensor([10.1828, 13.6150, 0.0000, 0.0000, 18.5932, 0.0000], device='cuda:0')

test loss from 2 : 1.4430259466171265

Output of network: tensor([ 5.7505, 5.7983, 17.3317, 0.2993, 5.8880, 13.2913], device='cuda:0')

Target Values: tensor([ 4.7359, 3.2885, 18.4023, 0.0000, 5.6097, 13.4195], device='cuda:0')

test loss from 2 : 1.056850790977478

Output of network: tensor([16.0941, 23.8360, 0.2625, 0.3371, 0.1332, 10.9178], device='cuda:0')

Target Values: tensor([17.4434, 21.8155, 0.0000, 0.0000, 0.0000, 11.4054], device='cuda:0')

test loss from 2 : 7.30911922454834

Output of network: tensor([22.4170, 0.2998, 9.5347, 0.2543, 1.0182, 16.6675], device='cuda:0')

Target Values: tensor([21.5251, 0.0000, 10.1768, 0.0000, 6.4968, 13.1352], device='cuda:0')

test loss from 2 : 2.4604415893554688

Output of network: tensor([16.4540, 0.3154, 0.1285, 17.4666, 0.1152, 14.1843], device='cuda:0')

Target Values: tensor([18.4566, 0.0000, 0.0000, 14.5129, 0.0000, 12.8063], device='cuda:0')

test loss from 2 : 2.8321495056152344

Output of network: tensor([ 0.3539, 0.0549, 0.2384, 14.3336, 20.9878, 1.1019], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 12.9974, 24.7038, 0.0000], device='cuda:0')

test loss from 2 : 3.1305766105651855

Output of network: tensor([ 0.2278, 4.2172, 20.2712, 0.2940, 4.8528, 21.0793], device='cuda:0')

Target Values: tensor([ 0.0000, 5.1609, 16.6079, 0.0000, 6.6213, 22.1783], device='cuda:0')

test loss from 2 : 1.7546958923339844

Output of network: tensor([11.9444, 15.7456, 0.1440, 16.7355, 18.1026, 0.3889], device='cuda:0')

Target Values: tensor([13.4518, 16.5939, 0.0000, 19.4272, 18.4481, 0.0000], device='cuda:0')

test loss from 2 : 0.812576174736023

Output of network: tensor([0.5437, 0.1942, 0.1031, 0.0724, 4.4928, 0.1319], device='cuda:0')

Target Values: tensor([0.0000, 0.0000, 0.0000, 0.0000, 2.3693, 0.0000], device='cuda:0')

test loss from 2 : 33.919517517089844

Output of network: tensor([ 0.0924, 19.7426, 17.6099, 12.1277, 18.3385, 13.3476], device='cuda:0')

Target Values: tensor([ 0.0000, 20.1805, 3.5881, 14.3065, 19.7168, 13.5915], device='cuda:0')

test loss from 2 : 4.903104782104492

Output of network: tensor([ 0.1348, 0.2074, 0.3647, 0.3099, 7.0863, 18.8402], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 0.0000, 12.2403, 20.4418], device='cuda:0')

test loss from 2 : 0.8288480043411255

Output of network: tensor([ 0.1309, 0.2309, 0.5011, 17.5189, 9.4887, 0.0649], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 19.6488, 9.8214, 0.0000], device='cuda:0')

test loss from 2 : 1.16387140750885

Output of network: tensor([ 0.8881, 1.6883, 0.1045, -0.0551, 17.2271, 7.7779], device='cuda:0')

Target Values: tensor([ 0.0000, 2.0700, 0.0000, 0.0000, 19.3901, 8.9425], device='cuda:0')

test loss from 2 : 2.4099416732788086

Output of network: tensor([-0.0898, 3.5761, 0.3069, 0.1343, 0.2719, 20.3569], device='cuda:0')

Target Values: tensor([ 0.0000, 6.1773, 0.0000, 0.0000, 0.0000, 23.0953], device='cuda:0')

test loss from 2 : 0.4435112178325653

Output of network: tensor([18.4767, -0.0245, 11.9085, 13.4312, 0.1473, 0.0412], device='cuda:0')

Target Values: tensor([17.7220, 0.0000, 13.2554, 13.9345, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 2.46726131439209

Output of network: tensor([19.8522, 0.1554, 0.2612, 0.3200, 0.1287, 0.2555], device='cuda:0')

Target Values: tensor([23.6636, 0.0000, 0.0000, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 1.7880513668060303

Output of network: tensor([16.5307, 0.5926, 0.2178, 1.5058, 13.0050, 5.8257], device='cuda:0')

Target Values: tensor([18.8679, 0.0000, 0.0000, 1.8173, 15.0319, 6.6392], device='cuda:0')

test loss from 2 : 0.42488473653793335

Output of network: tensor([ 0.1483, 0.2235, 20.9159, 0.3561, 7.1677, 0.1404], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 19.3929, 0.0000, 7.2729, 0.0000], device='cuda:0')

test loss from 2 : 1.2753276824951172

Output of network: tensor([ 0.4431, 0.1255, 18.2992, 15.6795, 0.8152, 20.3847], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 18.3885, 15.6653, 0.0000, 17.7833], device='cuda:0')

test loss from 2 : 1.1034290790557861

Output of network: tensor([10.9662, 20.2752, 6.0258, 16.6317, 18.1673, 0.3291], device='cuda:0')

Target Values: tensor([10.3126, 21.5550, 5.4791, 17.0229, 20.1662, 0.0000], device='cuda:0')

test loss from 2 : 0.6239380836486816

Output of network: tensor([ 0.0527, 0.2058, 17.0210, 0.0944, 0.3135, 0.0747], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 15.1274, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 1.6585571765899658

Output of network: tensor([18.4251, 0.2543, 17.7898, 0.4743, 2.1859, -0.3954], device='cuda:0')

Target Values: tensor([19.5112, 0.0000, 14.9044, 0.0000, 2.1916, 0.0000], device='cuda:0')

test loss from 2 : 1.9536733627319336

Output of network: tensor([16.4510, 0.2114, 19.5746, 0.4717, 0.2244, 0.2724], device='cuda:0')

Target Values: tensor([15.6073, 0.0000, 22.8117, 0.0000, 0.0000, 0.7354], device='cuda:0')

test loss from 2 : 0.43141597509384155

Output of network: tensor([ 0.1978, 0.1643, 11.9839, 0.2889, 17.9632, 0.4181], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 12.8670, 0.0000, 19.1815, 0.0000], device='cuda:0')

test loss from 2 : 0.9361457824707031

Output of network: tensor([17.4757, 19.1244, 0.1161, 0.4603, 0.0856, 17.9760], device='cuda:0')

Target Values: tensor([19.6597, 18.3640, 0.0000, 0.0000, 0.0000, 18.1655], device='cuda:0')

test loss from 2 : 0.9351329803466797

Output of network: tensor([ 0.2230, -0.1395, 15.2666, 0.2065, 1.5114, 0.0956], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 17.5917, 0.0000, 1.2222, 0.0000], device='cuda:0')

test loss from 2 : 4.172155380249023

Output of network: tensor([ 0.2890, 16.0116, 0.3820, 19.1653, 0.2280, 7.2796], device='cuda:0')

Target Values: tensor([ 0.0000, 17.4917, 0.0000, 23.7614, 0.0000, 6.0808], device='cuda:0')

test loss from 2 : 0.9573053121566772

Output of network: tensor([17.4107, 0.3633, 19.7704, 0.3344, 16.6356, -0.0281], device='cuda:0')

Target Values: tensor([18.8700, 0.0000, 19.1024, 0.0000, 14.9258, 0.0000], device='cuda:0')

test loss from 2 : 1.644079566001892

Output of network: tensor([ 0.0538, -0.0216, 0.2422, 16.1963, 19.7554, 18.2421], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 17.3373, 21.3983, 20.6507], device='cuda:0')

test loss from 2 : 1.5220402479171753

Output of network: tensor([ 0.5745, 16.6831, 0.3359, 18.8952, 0.6762, 9.9561], device='cuda:0')

Target Values: tensor([ 0.0000, 15.4672, 0.0000, 20.9553, 0.0000, 11.5403], device='cuda:0')

test loss from 2 : 2.106778621673584

Output of network: tensor([ 0.5222, 13.7300, 0.1626, 0.7702, 22.7763, 7.7700], device='cuda:0')

Target Values: tensor([ 0.0000, 15.6925, 0.0000, 0.0000, 22.0260, 10.4781], device='cuda:0')

test loss from 2 : 1.3762534856796265

Output of network: tensor([19.3198, 6.9270, 0.1848, 15.7669, 2.6498, 0.4735], device='cuda:0')

Target Values: tensor([19.5412, 7.8425, 0.0000, 15.4661, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 4.843579292297363

Output of network: tensor([ 2.4973e-01, 6.8870e+00, 1.9267e+01, 3.7857e-01, -9.0768e-02,

3.0611e-03], device='cuda:0')

Target Values: tensor([ 0.0000, 6.9471, 13.8961, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 4.839157581329346

Output of network: tensor([10.2842, 6.6752, 0.4054, 0.7528, 0.0226, 0.1296], device='cuda:0')

Target Values: tensor([12.3979, 11.5556, 0.0000, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 16.53342056274414

Output of network: tensor([ 0.3318, 16.3696, 0.4534, -0.0350, 17.0280, 0.5619], device='cuda:0')

Target Values: tensor([ 0.0000, 6.5746, 0.0000, 0.0000, 15.4076, 0.0000], device='cuda:0')

test loss from 2 : 0.13014495372772217

Output of network: tensor([-0.3046, 0.2907, 0.2530, 17.7994, 13.8647, 0.1304], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 18.3941, 14.2757, 0.0000], device='cuda:0')

test loss from 2 : 2.212374687194824

Output of network: tensor([2.0058e+01, 7.8298e-02, 1.7368e+00, 1.7936e-02, 1.2150e+00, 5.5440e-01],

device='cuda:0')

Target Values: tensor([17.4070, 0.0000, 0.0000, 0.0000, 2.9222, 0.0000], device='cuda:0')

test loss from 2 : 3.182581663131714

Output of network: tensor([7.5334, 0.2260, 7.2263, 0.4194, 0.1597, 0.3802], device='cuda:0')

Target Values: tensor([ 8.8202, 0.1345, 11.3597, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 27.475446701049805

Output of network: tensor([1.9935e+01, 1.8300e+01, 1.2281e+01, 8.4152e+00, 1.1969e-02, 2.4881e+00],

device='cuda:0')

Target Values: tensor([19.8846, 18.5061, 11.9150, 20.7098, 0.0000, 6.1646], device='cuda:0')

test loss from 2 : 1.308887243270874

Output of network: tensor([ 1.2607e+00, 2.2656e+00, -1.2273e-03, 9.6005e+00, 6.1141e-01,

2.0649e+00], device='cuda:0')

Target Values: tensor([0.0000, 0.0000, 0.0000, 9.1633, 0.0000, 2.8173], device='cuda:0')

test loss from 2 : 0.37609943747520447

Output of network: tensor([ 0.2856, 0.5386, 0.5521, 25.3633, 6.8039, 12.3635], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 24.6434, 5.9621, 11.7690], device='cuda:0')

test loss from 2 : 4.901699066162109

Output of network: tensor([ 8.5058, 18.0079, 22.5996, 17.7702, 16.0796, 0.4120], device='cuda:0')

Target Values: tensor([ 9.5560, 15.6499, 22.7946, 16.6624, 20.6961, 0.0000], device='cuda:0')

test loss from 2 : 8.987131118774414

Output of network: tensor([20.1818, 18.3005, 0.1884, 0.2840, 1.7362, 2.5642], device='cuda:0')

Target Values: tensor([20.3526, 21.2184, 0.0000, 0.0000, 3.2510, 9.1193], device='cuda:0')

test loss from 2 : 7.5261759757995605

Output of network: tensor([ 0.0963, 0.3692, 0.4013, 4.3300, 5.8489, 18.7755], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 10.4305, 5.9028, 16.0131], device='cuda:0')

test loss from 2 : 1.9980872869491577

Output of network: tensor([ 0.0367, 11.0869, 19.4922, -0.2490, -0.2388, 11.2552], device='cuda:0')

Target Values: tensor([ 0.0000, 11.5861, 22.8846, 0.0000, 0.0000, 11.5883], device='cuda:0')

test loss from 2 : 5.545897483825684

Output of network: tensor([ 0.1298, 2.3251, 14.8995, 5.3472, 20.9656, 15.9691], device='cuda:0')

Target Values: tensor([ 0.0000, 1.1125, 10.9977, 8.7407, 22.2746, 14.1430], device='cuda:0')

test loss from 2 : 0.18813267350196838

Output of network: tensor([ 0.3128, 0.2732, 15.3757, 0.0883, 0.2293, -0.1265], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 16.3137, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 1.9479072093963623

Output of network: tensor([ 0.2212, 5.8742, 0.2422, 20.9557, 0.3100, 0.3803], device='cuda:0')

Target Values: tensor([ 0.0000, 9.2158, 0.0000, 20.5400, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 2.0466079711914062

Output of network: tensor([ 0.1600, 0.6160, 15.0700, 1.9403, 0.1326, 21.3453], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 11.7601, 2.1804, 0.0000, 22.2639], device='cuda:0')

test loss from 2 : 3.6015357971191406

Output of network: tensor([ 0.1172, 22.0545, 10.7279, 0.2727, 19.8704, 11.7177], device='cuda:0')

Target Values: tensor([ 0.0000, 22.7679, 14.6785, 0.0000, 21.3382, 13.5206], device='cuda:0')

test loss from 2 : 0.1056654155254364

Output of network: tensor([ 1.9875e+01, 4.8259e-02, 8.1702e-02, 9.1715e-02, -1.7265e-02,

1.6489e+01], device='cuda:0')

Target Values: tensor([19.7508, 0.3677, 0.0000, 0.0000, 0.0000, 15.7806], device='cuda:0')

test loss from 2 : 7.637406826019287

Output of network: tensor([-3.5923e-03, 2.7722e+00, 2.3608e+01, 2.0034e+01, 4.5920e-01,

1.5839e+00], device='cuda:0')

Target Values: tensor([ 0.0000, 7.9694, 27.2239, 17.8722, 0.0000, 0.6605], device='cuda:0')

test loss from 2 : 3.869039535522461

Output of network: tensor([ 0.4341, 0.1780, 23.3923, 19.6492, 0.4947, 17.3537], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 19.7239, 21.6872, 0.0000, 15.0867], device='cuda:0')

test loss from 2 : 1.6751513481140137

Output of network: tensor([ 0.6072, 0.1859, 6.8926, -0.0238, 4.7758, 16.3030], device='cuda:0')

Target Values: tensor([ 0.0000, 0.3266, 7.0908, 0.0000, 3.1028, 13.6908], device='cuda:0')

test loss from 2 : 1.8701127767562866

Output of network: tensor([ 0.1628, 0.1579, 16.3873, 14.4734, 11.9079, 1.8510], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 13.2001, 15.1508, 12.2286, 1.1807], device='cuda:0')

test loss from 2 : 3.4548373222351074

Output of network: tensor([14.0901, 0.3788, 18.7210, 16.6498, 19.5998, 0.1984], device='cuda:0')

Target Values: tensor([14.5722, 0.0000, 23.1386, 17.4657, 19.2361, 0.0000], device='cuda:0')

test loss from 2 : 1.305375099182129

Output of network: tensor([ 2.4530, 0.6619, 1.3985, 14.6724, 2.9973, 18.6963], device='cuda:0')

Target Values: tensor([ 1.8804, 0.0000, 0.0851, 13.8669, 0.8579, 19.0360], device='cuda:0')

test loss from 2 : 1.5955803394317627

Output of network: tensor([18.4022, 18.9056, -0.0535, 0.4461, 10.8257, 3.3271], device='cuda:0')

Target Values: tensor([19.0496, 17.0373, 0.0000, 0.0000, 12.9663, 2.3891], device='cuda:0')

test loss from 2 : 1.0907280445098877

Output of network: tensor([1.7895e+00, 4.8075e+00, 7.6881e-02, 4.1217e-03, 3.2510e-01, 3.0022e+00],

device='cuda:0')

Target Values: tensor([0.0000, 6.0971, 0.0000, 0.0000, 0.0000, 1.7503], device='cuda:0')

test loss from 2 : 0.05185879021883011

Output of network: tensor([ 0.3069, 0.3174, 0.2014, 0.1475, 0.2310, 11.9379], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 0.0000, 0.0000, 11.9605], device='cuda:0')

test loss from 2 : 2.3593833446502686

Output of network: tensor([11.2824, 0.2009, 0.2310, 20.2922, 0.0559, 0.4599], device='cuda:0')

Target Values: tensor([10.1077, 0.0000, 0.0000, 23.8233, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 0.5913498401641846

Output of network: tensor([ 0.1719, 1.0504, -0.1022, 4.5788, 14.2412, 0.1228], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 3.3295, 15.1517, 0.0000], device='cuda:0')

test loss from 2 : 0.16483521461486816

Output of network: tensor([ 3.5711, 0.3286, 0.3929, 0.5276, -0.0637, 0.4128], device='cuda:0')

Target Values: tensor([3.0478, 0.0000, 0.0000, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 1.650935411453247

Output of network: tensor([ 0.2578, 0.4148, 16.8360, 0.1585, 0.1875, 0.2108], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 13.7437, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 1.452366828918457

Output of network: tensor([ 0.3543, 13.9896, -0.2136, 8.2713, 2.3146, 0.4416], device='cuda:0')

Target Values: tensor([ 0.0000, 13.6278, 0.0000, 11.0490, 1.6067, 0.0000], device='cuda:0')

test loss from 2 : 2.0740723609924316

Output of network: tensor([ 0.1081, 13.5899, 7.6419, 17.8484, 0.3081, 0.2368], device='cuda:0')

Target Values: tensor([ 0.0000, 13.5220, 7.8180, 21.3478, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 0.12787654995918274

Output of network: tensor([18.9585, 0.2094, 0.7699, 0.1644, 0.3012, 0.1073], device='cuda:0')

Target Values: tensor([18.9217, 0.0000, 0.0000, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 9.232051849365234

Output of network: tensor([ 0.5076, 0.2173, 23.6505, 13.6097, 9.6760, 1.7888], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 23.5642, 14.0163, 9.5457, 9.1981], device='cuda:0')

test loss from 2 : 1.0584790706634521

Output of network: tensor([1.4475e+01, 1.9997e+01, 6.2633e-04, 2.4590e+01, 2.6123e-01, 1.4193e+01],

device='cuda:0')

Target Values: tensor([15.5058, 21.2659, 0.0000, 24.3633, 0.0000, 16.0792], device='cuda:0')

test loss from 2 : 5.6876630783081055

Output of network: tensor([14.2326, 14.1807, 16.6038, 17.8692, 0.2105, 0.0189], device='cuda:0')

Target Values: tensor([14.0732, 14.6110, 16.3616, 23.6840, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 1.3190284967422485

Output of network: tensor([14.5918, 0.1317, 15.2548, 0.0827, 17.8364, 0.1450], device='cuda:0')

Target Values: tensor([16.2335, 0.0000, 14.3204, 0.0000, 19.9102, 0.0000], device='cuda:0')

test loss from 2 : 0.22665539383888245

Output of network: tensor([0.3535, 0.4071, 0.0065, 0.0689, 1.0305, 0.3637], device='cuda:0')

Target Values: tensor([0.0000, 0.2174, 0.0000, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 4.299894332885742

Output of network: tensor([ 4.0281, 0.4835, 0.4140, 14.0746, 3.3407, 0.1252], device='cuda:0')

Target Values: tensor([ 7.9722, 0.0000, 0.0000, 14.8562, 6.3759, 0.0000], device='cuda:0')

test loss from 2 : 6.072105407714844

Output of network: tensor([14.8519, 16.9159, 8.9845, 6.2480, 18.5102, 21.4170], device='cuda:0')

Target Values: tensor([15.8171, 17.8838, 11.0137, 10.2756, 21.7340, 23.3748], device='cuda:0')

test loss from 2 : 2.0023207664489746

Output of network: tensor([ 0.3501, 0.2142, 19.3336, 0.1566, 0.3119, 16.7544], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 20.2692, 0.0000, 0.0000, 20.0481], device='cuda:0')

test loss from 2 : 1.7347005605697632

Output of network: tensor([ 0.4058, 17.2801, 0.1240, 11.8171, 6.7863, 0.1912], device='cuda:0')

Target Values: tensor([ 0.0000, 17.8545, 0.0000, 12.4308, 9.8661, 0.0000], device='cuda:0')

test loss from 2 : 1.1353240013122559

Output of network: tensor([ 0.2042, 21.2722, 0.3549, 19.0089, 0.0266, 0.3744], device='cuda:0')

Target Values: tensor([ 0.0000, 18.7653, 0.0000, 18.5413, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 5.8899946212768555

Output of network: tensor([ 4.9235, 16.3206, 16.3874, 0.1996, 0.1866, 0.2935], device='cuda:0')

Target Values: tensor([10.4686, 15.8498, 14.3358, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 3.301757574081421

Output of network: tensor([13.7548, 0.3767, 0.2864, 14.7124, 0.4874, 0.1294], device='cuda:0')

Target Values: tensor([12.6179, 0.0000, 0.0000, 18.9597, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 1.6843093633651733

Output of network: tensor([ 0.2714, 0.2277, 17.5985, 21.5330, 12.9404, 0.1982], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 15.4900, 23.7908, 12.3098, 0.0000], device='cuda:0')

test loss from 2 : 0.08599869906902313

Output of network: tensor([16.8955, 0.2300, 0.9360, 0.3343, 16.4266, -0.0448], device='cuda:0')

Target Values: tensor([17.3390, 0.0000, 1.1079, 0.0000, 16.0758, 0.0000], device='cuda:0')

test loss from 2 : 2.5144546031951904

Output of network: tensor([ 0.0561, 7.3344, 14.5080, 0.1263, 22.5504, 22.6565], device='cuda:0')

Target Values: tensor([ 0.0000, 8.6519, 14.7898, 0.0000, 19.1907, 21.2549], device='cuda:0')

test loss from 2 : 2.1752004623413086

Output of network: tensor([ 0.0876, 15.2093, 14.1243, 11.1493, 6.6351, 2.8334], device='cuda:0')

Target Values: tensor([ 0.0000, 14.7742, 14.6368, 11.6408, 8.1136, 6.0215], device='cuda:0')

test loss from 2 : 0.5572848320007324

Output of network: tensor([ 0.9398, -0.0121, 2.7658, 0.0605, 0.0560, 0.2809], device='cuda:0')

Target Values: tensor([0.0000, 0.0000, 1.2248, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 1.3430051803588867

Output of network: tensor([17.3019, 0.1861, 0.0467, 16.3787, 17.6156, 0.1507], device='cuda:0')

Target Values: tensor([18.3707, 0.0000, 0.0000, 14.5103, 19.4501, 0.0000], device='cuda:0')

test loss from 2 : 2.791837215423584

Output of network: tensor([21.6981, 3.6998, 0.1846, 14.5444, -0.2311, 0.2998], device='cuda:0')

Target Values: tensor([18.6515, 2.5796, 0.0000, 16.9987, 0.0282, 0.0000], device='cuda:0')

test loss from 2 : 4.48626708984375

Output of network: tensor([6.7153e+00, 6.9903e-01, 1.2906e+01, 2.1650e+01, 8.9140e-03, 2.1780e+01],

device='cuda:0')

Target Values: tensor([ 5.4026, 0.0000, 12.7364, 21.5613, 0.0000, 26.7463], device='cuda:0')

test loss from 2 : 1.670142412185669

Output of network: tensor([ 0.6446, 0.2263, 0.4116, 21.9900, 0.0394, 18.3655], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 18.9269, 0.0000, 18.3752], device='cuda:0')

test loss from 2 : 0.5525853633880615

Output of network: tensor([-0.2641, 13.0566, 21.0060, 0.0473, 0.4201, 0.4043], device='cuda:0')

Target Values: tensor([ 0.0000, 11.6283, 21.9352, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 1.673864722251892

Output of network: tensor([ 0.2446, 0.2318, 0.8345, 14.1231, -0.2504, 19.8837], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 1.7250, 13.2539, 0.0000, 22.7679], device='cuda:0')

test loss from 2 : 4.6474785804748535

Output of network: tensor([ 5.3865, 16.6828, 0.1612, 1.1564, 0.8688, 0.0395], device='cuda:0')

Target Values: tensor([ 6.5961, 21.6342, 0.0000, 2.2158, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 1.8630201816558838

Output of network: tensor([ 8.6214, 15.9858, 0.0631, 0.0668, 0.3065, 20.0280], device='cuda:0')

Target Values: tensor([10.3245, 17.1066, 0.0000, 0.0000, 0.0000, 17.3976], device='cuda:0')

test loss from 2 : 1.1755473613739014

Output of network: tensor([1.3366e+01, 9.1719e-02, 1.7212e+01, 6.9741e-03, 1.5238e+01, 1.9965e+01],

device='cuda:0')

Target Values: tensor([14.0668, 0.0000, 18.8921, 0.0000, 17.1698, 19.9747], device='cuda:0')

test loss from 2 : 0.9049088358879089

Output of network: tensor([1.0847, 2.2250, 0.2421, 0.2374, 0.3931, 0.3457], device='cuda:0')

Target Values: tensor([2.6149, 0.5822, 0.0000, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 0.01544203795492649

Output of network: tensor([0.1076, 6.5079], device='cuda:0')

Target Values: tensor([0.0000, 6.3689], device='cuda:0')

Test Loss (mean squared error): 0.514061

Time: 28.22746777534485

Targets: [9.866104125976562, 22.977676391601562, 0.0, 14.142748832702637, 7.295877456665039, 0.0, 19.236083984375, 0.0, 0.0, 11.013652801513672, 8.651888847351074, 0.0, 0.0, 7.972157001495361, 11.466023445129395, 21.63424301147461, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 21.174467086791992, 0.0, 0.0, 17.443439483642578, 0.0, 18.59319305419922, 15.204572677612305, 0.0, 4.735873699188232, 7.818046569824219, 0.0, 0.0, 15.433259963989258, 13.27225399017334, 0.0, 0.0, 0.0, 13.522049903869629, 23.92368507385254, 15.69252872467041, 0.0, 0.0, 18.943193435668945, 22.025985717773438, 0.0, 0.0, 11.628321647644043, 0.0, 0.0, 12.430830001831055, 0.0, 15.501093864440918, 1.859238862991333, 0.0, 0.0, 0.0, 19.71682357788086, 0.0, 22.884557723999023, 22.811660766601562, 15.1273775100708, 11.405380249023438, 0.0, 13.896139144897461, 0.0, 2.5795822143554688, 2.625436782836914, 12.333077430725098, 19.26454734802246, 26.746292114257812, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 16.036012649536133, 24.363311767578125, 0.0, 0.0, 11.54029369354248, 11.76903247833252, 0.0, 0.0, 0.0, 0.0, 20.539981842041016, 6.621281623840332, 0.0, 16.44261360168457, 0.0, 2.06996488571167, 0.0, 19.190662384033203, 22.767900466918945, 0.0, 10.085797309875488, 0.0, 8.942506790161133, 20.352598190307617, 15.466058731079102, 0.0, 13.934476852416992, 0.0, 18.171144485473633, 1.4610755443572998, 6.574602127075195, 0.0, 2.3890674114227295, 18.402334213256836, 11.555606842041016, 22.714496612548828, 24.57651710510254, 10.878132820129395, 1.2222232818603516, 0.0, 18.456575393676758, 12.736432075500488, 14.774150848388672, 0.0, 0.0, 21.218441009521484, 0.5821780562400818, 22.526947021484375, 16.793601989746094, 2.3693413734436035, 15.086739540100098, 16.23348045349121, 0.0, 0.0, 23.374767303466797, 14.678478240966797, 0.0, 0.0, 0.0, 16.607948303222656, 14.083450317382812, 24.643442153930664, 0.0, 0.0, 24.325410842895508, 14.904390335083008, 0.0, 2.297616481781006, 8.113607406616211, 0.0, 15.60727596282959, 0.0, 3.04776930809021, 0.0, 1.1807222366333008, 0.0, 0.0, 22.2639217376709, 0.0, 0.0, 6.177317142486572, 0.0, 0.0, 0.0, 17.40695571899414, 0.0, 15.407561302185059, 24.375703811645508, 0.0, 21.12139892578125, 0.0, 0.0, 10.997694969177246, 0.0, 12.24028491973877, 15.649932861328125, 20.04813003540039, 15.849812507629395, 6.0808424949646, 0.0, 23.138643264770508, 20.441814422607422, 18.65153694152832, 0.0, 0.0, 8.820245742797852, 1.7502912282943726, 0.0, 12.25747013092041, 0.0, 17.037290573120117, 2.180405378341675, 0.0, 17.78331756591797, 16.94544792175293, 23.79081916809082, 0.0, 6.097090244293213, 16.075786590576172, 0.0, 3.2884769439697266, 0.0, 0.0, 0.0, 17.59168815612793, 0.0, 14.073225975036621, 15.817105293273926, 0.0, 12.997354507446289, 0.0, 17.88379669189453, 0.0, 0.0, 13.615021705627441, 0.0, 0.0, 11.601103782653809, 0.0, 0.0, 0.0, 0.0, 0.08514683693647385, 13.591468811035156, 10.312580108642578, 5.609745502471924, 0.0, 0.0, 1.9803001880645752, 0.0, 0.0, 18.375213623046875, 0.0, 18.367752075195312, 0.0, 0.0, 11.588298797607422, 9.198092460632324, 18.796310424804688, 0.0, 0.0, 1.8172565698623657, 0.0, 0.0, 0.0, 6.9471001625061035, 10.478062629699707, 0.0, 15.03194808959961, 0.0, 0.0, 10.67455768585205, 0.0, 13.135185241699219, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 19.570619583129883, 0.0, 0.0, 10.468619346618652, 7.842472553253174, 16.313730239868164, 18.921693801879883, 0.0, 11.760065078735352, 19.035978317260742, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 11.914996147155762, 0.0, 0.0, 0.7353914976119995, 0.0, 19.910184860229492, 20.47702980041504, 0.0, 8.00041389465332, 14.306517601013184, 0.0, 0.0, 14.275689125061035, 6.6392316818237305, 3.3294715881347656, 12.228581428527832, 0.0, 5.1608500480651855, 13.419478416442871, 0.0, 5.042791843414307, 0.0, 11.960472106933594, 19.450124740600586, 19.39009666442871, 17.36725616455078, 0.0, 0.0, 20.709754943847656, 18.394123077392578, 0.0, 14.9258451461792, 0.0, 18.87002182006836, 0.857897937297821, 18.99491310119629, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 7.090791702270508, 0.0, 0.0, 9.821367263793945, 0.0, 0.0, 19.51123046875, 0.0, 15.74480152130127, 19.533130645751953, 0.0, 0.0, 0.0, 21.815473556518555, 0.0, 0.0, 0.0, 13.627753257751465, 18.959674835205078, 0.0, 19.723941802978516, 0.0, 20.650678634643555, 23.823253631591797, 0.0, 0.0, 0.0, 8.617387771606445, 0.0, 5.402552127838135, 0.0, 17.46569061279297, 14.342707633972168, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.6605277061462402, 0.0, 0.0, 15.467191696166992, 0.0, 21.56132698059082, 0.0, 21.338197708129883, 0.0, 11.858626365661621, 27.22394561767578, 13.520562171936035, 0.0, 12.867035865783691, 0.0, 1.6067439317703247, 12.617884635925293, 0.0, 16.361629486083984, 15.464924812316895, 0.0, 6.368930339813232, 15.15165901184082, 0.0, 0.36769574880599976, 0.0, 0.32664617896080017, 0.0, 0.0, 22.178255081176758, 14.016326904296875, 0.0, 0.0, 0.0, 18.506120681762695, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 3.627185583114624, 2.817305326461792, 0.0, 0.0, 18.765283584594727, 15.318059921264648, 19.541194915771484, 17.338985443115234, 15.150772094726562, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 14.46354866027832, 0.0, 23.66364288330078, 18.829517364501953, 2.1916134357452393, 20.696104049682617, 9.545746803283691, 0.0, 0.0, 23.76136016845703, 0.0, 21.265918731689453, 0.0, 19.974681854248047, 12.309794425964355, 17.73993492126465, 0.0, 0.0, 0.0, 14.822135925292969, 0.0, 15.490023612976074, 0.0, 9.842852592468262, 17.169801712036133, 0.0, 0.0, 14.636805534362793, 0.0, 13.690814018249512, 0.0, 13.775367736816406, 0.0, 19.666250228881836, 0.0, 0.0, 21.525131225585938, 10.636947631835938, 0.0, 0.0, 0.0, 0.0, 0.0, 9.215766906738281, 19.18148422241211, 0.0, 10.107707023620605, 0.0, 23.359731674194336, 24.703792572021484, 7.613690376281738, 0.0, 0.0, 0.0, 1.1079185009002686, 0.0, 0.0, 14.789844512939453, 15.780599594116211, 0.0, 0.0, 21.733985900878906, 0.0, 0.0281941220164299, 0.0, 0.0, 10.430497169494629, 6.021487712860107, 15.230510711669922, 6.596110820770264, 0.0, 3.2509844303131104, 0.0, 0.0, 20.967750549316406, 19.6488037109375, 0.0, 0.0, 17.87222671508789, 11.077375411987305, 2.6149189472198486, 0.0, 0.0, 10.182781219482422, 14.819345474243164, 0.0, 6.496824741363525, 0.0, 0.3449941575527191, 0.0, 12.630643844604492, 0.0, 23.68404197692871, 18.892080307006836, 0.0, 21.935199737548828, 0.0, 0.0, 20.269193649291992, 0.0, 27.936006546020508, 0.0, 22.3455753326416, 0.0, 0.0, 4.399764060974121, 0.0, 0.13452482223510742, 0.0, 0.0, 16.231895446777344, 0.0, 0.0, 0.0, 0.0, 18.165496826171875, 0.0, 0.0, 0.0, 1.1030871868133545, 0.0, 13.45177936553955, 5.962132930755615, 0.0, 0.0, 14.856195449829102, 0.0, 0.0, 17.854520797729492, 0.0, 14.51292610168457, 14.572157859802246, 17.337299346923828, 0.0, 13.110859870910645, 0.0, 0.0, 0.0, 0.0, 0.0, 7.798985481262207, 1.8803706169128418, 8.712843894958496, 21.68724250793457, 0.0, 0.0, 0.0, 2.215837001800537, 17.74005126953125, 0.0, 16.07920265197754, 18.5412540435791, 6.375881195068359, 0.0, 0.0, 11.829512596130371, 18.86787986755371, 0.0, 2.9221510887145996, 22.9768123626709, 0.0, 0.0, 19.751157760620117, 0.0, 23.095304489135742, 14.06679916381836, 0.0, 0.4023125171661377, 0.0, 0.0, 0.0, 0.0, 18.3640079498291, 0.0, 0.0, 14.14299488067627, 0.2174425572156906, 21.398296356201172, 0.0, 0.0, 0.0, 6.164560317993164, 0.0, 14.175748825073242, 0.0, 3.5880966186523438, 0.0, 0.0, 0.0, 17.106582641601562, 7.969419002532959, 20.166170120239258, 20.064373016357422, 10.275554656982422, 0.0, 12.966277122497559, 0.0, 17.336957931518555, 0.0, 7.272918224334717, 18.851245880126953, 22.767925262451172, 9.555983543395996, 13.866859436035156, 0.0, 19.38179588317871, 0.0, 21.347824096679688, 0.0, 0.0, 0.0, 0.0, 5.902778148651123, 0.0, 20.955289840698242, 0.0, 13.253905296325684, 11.049015045166016, 0.0, 8.838618278503418, 0.0, 0.0, 9.597816467285156, 16.13922691345215, 19.392868041992188, 0.0, 0.0, 9.163257598876953, 0.0, 10.176843643188477, 5.479125499725342, 19.884492874145508, 8.740735054016113, 12.397894859313965, 16.593873977661133, 21.55499839782715, 17.022924423217773, 22.274641036987305, 1.224800705909729, 0.0, 18.44805908203125, 0.0, 16.998693466186523, 0.0, 9.11927318572998, 11.359721183776855, 19.10235595703125, 1.724970817565918, 0.0, 0.0, 16.662363052368164, 0.0, 14.611010551452637, 0.0, 0.0, 9.968778610229492, 14.510305404663086, 0.0, 20.180463790893555, 0.0, 18.370656967163086, 0.0, 12.806344032287598, 0.0, 13.74370002746582, 0.0, 11.640827178955078, 21.254863739013672, 0.0, 0.0, 14.320371627807617, 13.200129508972168, 10.324482917785645, 0.0, 0.0, 0.0, 0.0, 22.794601440429688, 18.926856994628906, 11.89486026763916, 19.42715072631836, 14.335803985595703, 0.0, 0.0, 15.505812644958496, 0.0, 18.388486862182617, 14.286742210388184, 18.715280532836914, 0.0, 0.0, 0.0, 2.5994906425476074, 0.5198981165885925, 0.0, 0.0, 23.5642147064209, 17.397598266601562, 17.721965789794922, 0.0, 0.0, 3.8097116947174072, 15.665297508239746, 19.750768661499023, 0.0, 0.0, 3.1028172969818115, 16.013084411621094, 0.0, 0.0, 19.659692764282227, 20.65425682067871, 0.0, 0.0, 19.049564361572266, 19.44452667236328, 0.0, 0.0, 0.0, 17.491653442382812, 0.0, 0.0, 0.0, 18.746498107910156, 20.759294509887695, 0.0, 1.11253023147583, 0.0, 0.0, 13.255441665649414, 19.88457489013672, 11.586135864257812]

Outputs [6.786327362060547, 22.045621871948242, 0.20087647438049316, 15.002420425415039, 6.029804229736328, 0.2997746467590332, 19.599834442138672, 0.06312799453735352, 0.1205894947052002, 8.984515190124512, 7.3343658447265625, 0.13187921047210693, 0.2624778747558594, 4.028119087219238, 11.121476173400879, 16.682781219482422, 0.49473071098327637, 0.07688093185424805, 0.0593111515045166, 0.18609189987182617, 0.1347663402557373, 0.1884070634841919, 18.33770179748535, 0.3637247085571289, 0.41942644119262695, 16.0941162109375, 0.15336370468139648, 17.61847496032715, 16.860816955566406, 0.11612939834594727, 5.75047492980957, 7.641944885253906, 0.1252460479736328, 0.017935991287231445, 16.253814697265625, 14.026719093322754, 0.08269548416137695, 0.4180716276168823, 0.19493865966796875, 13.589875221252441, 17.8292179107666, 13.729972839355469, 0.5076390504837036, 0.4592036008834839, 17.75353240966797, 22.776254653930664, 0.3012136220932007, 0.05586123466491699, 13.056629180908203, 0.4115719795227051, 0.13088703155517578, 11.817146301269531, 0.15068507194519043, 14.721705436706543, 0.6552274823188782, 1.260721206665039, 0.084464430809021, 0.5375823378562927, 18.33846664428711, 2.3942623138427734, 19.492212295532227, 19.574634552001953, 17.020977020263672, 10.917798042297363, 0.14501285552978516, 19.266794204711914, 0.2718966007232666, 3.699814558029175, 5.835428237915039, 10.29317569732666, 18.687623977661133, 21.77952766418457, 0.0856478214263916, 0.3068861961364746, 0.3767338991165161, 0.2875717878341675, 0.4053802490234375, 0.8688058853149414, 0.35433804988861084, 0.28555262088775635, 0.29976892471313477, 0.30167245864868164, 0.35613691806793213, 17.674686431884766, 24.590335845947266, 0.06677675247192383, 0.31189191341400146, 9.956063270568848, 12.363495826721191, 0.3889172077178955, 1.1018733978271484, 0.2889714241027832, 0.35354483127593994, 20.955684661865234, 4.852807998657227, 0.20881831645965576, 14.255102157592773, 0.46138477325439453, 1.6883301734924316, 0.31744909286499023, 22.550371170043945, 19.88372230529785, 3.2578625679016113, 10.697885513305664, 0.05658125877380371, 7.777921676635742, 20.181808471679688, 15.766878128051758, 0.2173480987548828, 13.43122386932373, 0.07129216194152832, 16.00601577758789, 2.6016359329223633, 16.36960220336914, 0.12962913513183594, 3.32712459564209, 17.331695556640625, 6.675163269042969, 20.82295799255371, 24.52115821838379, 10.0466890335083, 1.5113990306854248, 0.3548734188079834, 16.453964233398438, 12.906384468078613, 15.209314346313477, 0.23742365837097168, 0.03951084613800049, 18.3005313873291, 2.225003242492676, 19.742069244384766, 15.292593955993652, 4.492753982543945, 17.353662490844727, 14.591803550720215, 0.19115257263183594, 0.41277384757995605, 21.417022705078125, 10.72786808013916, 0.17194247245788574, 0.38025856018066406, 0.28541696071624756, 20.27120590209961, 13.3635892868042, 25.36328887939453, 0.1596972942352295, 0.09995782375335693, 18.993356704711914, 17.7898006439209, 0.30992448329925537, 0.5956964492797852, 6.6351165771484375, 0.13759636878967285, 16.45099639892578, 1.7895081043243408, 3.571054220199585, 0.9701278209686279, 1.8509631156921387, -0.3318636417388916, 0.08830595016479492, 21.345298767089844, 0.312846302986145, 0.22927260398864746, 3.57608962059021, 0.37856602668762207, 0.40129148960113525, 0.10305571556091309, 20.058324813842773, 0.21078729629516602, 17.027999877929688, 20.712125778198242, 0.016958951950073242, 21.1314640045166, 0.06045365333557129, 0.6446444392204285, 14.899452209472656, 0.5276166200637817, 7.086346626281738, 18.00788688659668, 16.754446029663086, 16.320552825927734, 7.279632568359375, 0.20577120780944824, 18.72097396850586, 18.840166091918945, 21.69808006286621, 0.06493580341339111, 0.6618502736091614, 7.533363342285156, 3.002211093902588, 0.056873440742492676, 15.183107376098633, 0.13320279121398926, 18.905616760253906, 1.940300464630127, 0.35010552406311035, 20.38470458984375, 16.796537399291992, 21.533029556274414, 0.3069162368774414, 4.807474613189697, 16.426591873168945, 0.31758224964141846, 5.798267364501953, -0.012076616287231445, 0.3929107189178467, 0.12851440906524658, 15.266566276550293, 0.3317558765411377, 14.232614517211914, 14.851926803588867, -0.20985591411590576, 14.333575248718262, 0.21398234367370605, 16.915891647338867, 0.45985305309295654, 0.011943221092224121, 14.005914688110352, 0.7527821063995361, 0.08170163631439209, 10.901352882385254, 0.414043664932251, 0.2177717685699463, 0.2612292766571045, 0.46027493476867676, 1.3985261917114258, 13.34764575958252, 10.966160774230957, 5.887999534606934, 0.11716020107269287, 0.3750581741333008, 6.0398664474487305, 0.29074883460998535, 0.14834284782409668, 18.36545181274414, 0.18660104274749756, 20.489912033081055, 0.1267704963684082, 0.22115373611450195, 11.255224227905273, 1.7888007164001465, 16.49370765686035, 0.4716705083847046, 0.1439809799194336, 1.5058320760726929, 0.1342778205871582, 0.5878414511680603, 0.2243824005126953, 6.887011528015137, 7.769952774047852, 0.12398123741149902, 13.004983901977539, 0.244614839553833, 0.24884939193725586, 3.5287625789642334, -0.05348002910614014, 16.66754913330078, 0.8151839971542358, 0.20648419857025146, 0.25342857837677, 0.1326221227645874, 0.2299807071685791, -0.25039803981781006, 16.028648376464844, 0.2577998638153076, -0.2641317844390869, 4.923498153686523, 6.926985740661621, 15.375707626342773, 18.958532333374023, 0.22303366661071777, 15.069968223571777, 18.696252822875977, 0.37441301345825195, -0.09945058822631836, 0.15544486045837402, 0.3083536624908447, 0.48739898204803467, 0.18952441215515137, 0.0006263256072998047, 0.5745412707328796, 0.611411452293396, 12.281474113464355, 0.4416447877883911, 0.05606639385223389, 0.2724250555038452, -0.003592252731323242, 17.836355209350586, 19.54676055908203, 0.10759282112121582, 6.5994062423706055, 12.127720832824707, 0.2935161590576172, 0.5386075377464294, 13.864736557006836, 5.82573127746582, 4.578757286071777, 11.907928466796875, 0.12554514408111572, 4.217170715332031, 13.291260719299316, 0.38020992279052734, 0.9324163198471069, 0.3080604076385498, 11.937926292419434, 17.61560821533203, 17.227081298828125, 15.245550155639648, 0.6313514113426208, 0.09236490726470947, 8.41516399383545, 17.799421310424805, 0.003061056137084961, 16.63555335998535, -0.12652897834777832, 17.41065216064453, 2.9973113536834717, 20.09345817565918, 0.21419835090637207, -0.23875081539154053, 0.12940847873687744, 0.46026623249053955, 0.5002329349517822, 1.7367570400238037, 6.892637252807617, 0.27324581146240234, -0.0349961519241333, 9.488717079162598, 0.09171545505523682, 0.4191194772720337, 18.42506980895996, 0.0069741010665893555, 15.336615562438965, 20.478689193725586, 0.12625885009765625, 0.2547883987426758, 0.18482697010040283, 23.835979461669922, 0.008913993835449219, 0.3547290563583374, 0.9398095011711121, 13.9896240234375, 14.712350845336914, -0.05505526065826416, 23.39227867126465, 0.0410844087600708, 18.24207878112793, 20.292240142822266, 0.4201236963272095, 0.8881086707115173, 0.07474875450134277, 2.727060317993164, 0.31004178524017334, 6.7153215408325195, -0.2489759922027588, 16.64982795715332, 12.18593692779541, 0.09437894821166992, 0.10450387001037598, -0.001227259635925293, 0.19776058197021484, 0.01891040802001953, 0.5521087050437927, 1.5839096307754517, 0.33433032035827637, 0.23099994659423828, 16.683076858520508, 0.1566089391708374, 21.650096893310547, 0.7699296474456787, 19.870426177978516, 0.6233277916908264, 12.14656925201416, 23.6079158782959, 11.717666625976562, 0.1751652956008911, 11.983941078186035, 0.2105400562286377, 2.3146212100982666, 13.754772186279297, -0.13950705528259277, 16.603803634643555, 14.969725608825684, 0.31351375579833984, 6.507883071899414, 14.24117374420166, 0.1304304599761963, 0.04825937747955322, -0.1022484302520752, 0.18588471412658691, 0.13944554328918457, 0.3291299343109131, 21.079326629638672, 13.609685897827148, 0.30651283264160156, 0.25433850288391113, 0.07829761505126953, 18.299617767333984, 0.63368159532547, 0.3154338598251343, -0.06485271453857422, 0.2279953956604004, 0.026580810546875, 0.26821327209472656, 1.7100251913070679, 2.0649383068084717, 0.01196908950805664, 0.5436922907829285, 21.2722110748291, 14.313672065734863, 19.31978988647461, 16.895462036132812, 14.473359107971191, 0.3930845260620117, 0.4534395933151245, 0.0064678192138671875, 0.2093505859375, -0.39540982246398926, 0.2839772701263428, 0.2113734483718872, 13.44426155090332, 0.14115309715270996, 19.852224349975586, 19.076496124267578, 2.185865879058838, 16.07957649230957, 9.675980567932129, 0.5543997883796692, 0.7885633111000061, 19.165273666381836, 0.20735931396484375, 19.996959686279297, -0.06368708610534668, 19.96528434753418, 12.940362930297852, 17.196578979492188, 0.2875579595565796, 0.2529747486114502, 0.27266359329223633, 15.036771774291992, 0.6160112619400024, 17.598546981811523, 0.5925953388214111, 9.041083335876465, 15.238079071044922, 0.5221530199050903, 0.27135610580444336, 14.124286651611328, 0.52198725938797, 16.303016662597656, 0.3556421995162964, 15.340171813964844, 0.26343345642089844, 19.671234130859375, 0.16116857528686523, 0.40576863288879395, 22.416954040527344, 12.585835456848145, 0.19422698020935059, 0.3286149501800537, 0.10732865333557129, 0.4279954433441162, 0.3178980350494385, 5.8741559982299805, 17.963167190551758, 0.5923882126808167, 11.2824125289917, 0.28886938095092773, 22.44634437561035, 20.98784828186035, 6.751528739929199, 0.25070643424987793, -0.21357083320617676, 0.25427889823913574, 0.9360377788543701, 0.3344461917877197, 0.4042947292327881, 14.507962226867676, 16.488567352294922, -0.08981990814208984, 0.1928246021270752, 18.510160446166992, 0.4341306686401367, -0.2311168909072876, 0.34844958782196045, 0.10812175273895264, 4.329961776733398, 2.833388090133667, 15.621378898620605, 5.386549949645996, 0.24207496643066406, 1.7362139225006104, 0.34913384914398193, 0.36923670768737793, 19.619647979736328, 17.51886558532715, 0.11515450477600098, 0.1474618911743164, 20.034147262573242, 11.962472915649414, 1.0846960544586182, 0.03673970699310303, 0.07237207889556885, 11.875582695007324, 10.561279296875, 0.18457067012786865, 1.0182409286499023, 0.047330617904663086, 0.8964800238609314, 0.3457028865814209, 12.101118087768555, 0.3633157014846802, 17.869224548339844, 17.212078094482422, 0.0956110954284668, 21.00596046447754, -0.017264604568481445, 0.23102712631225586, 19.3336124420166, 0.6072476506233215, 21.158700942993164, 2.265573024749756, 19.01299285888672, 0.6227513551712036, 0.47427278757095337, 3.694147825241089, 0.12977981567382812, 0.22600722312927246, 4.060677528381348, 0.3517392873764038, 13.776876449584961, 0.1579432487487793, -0.02382373809814453, 0.7276929020881653, 0.4586179256439209, 17.975975036621094, 0.15851593017578125, 0.004121661186218262, 0.41716980934143066, 0.6337514519691467, 0.182753324508667, 11.944392204284668, 6.803897857666016, 0.022550225257873535, 0.19961857795715332, 14.074576377868652, 0.22631824016571045, 0.4627639055252075, 17.280054092407227, 0.6990298628807068, 17.466577529907227, 14.090057373046875, 16.1962833404541, 1.0304811000823975, 11.7667236328125, 0.44612371921539307, 0.16003549098968506, 0.12874209880828857, 0.4834808111190796, 0.24217069149017334, 7.2703447341918945, 2.453009843826294, 3.9290595054626465, 19.649179458618164, 0.17796635627746582, 0.054898858070373535, 2.6498193740844727, 1.156355857849121, 17.41749382019043, 0.35990583896636963, 14.192605972290039, 19.008928298950195, 3.3407320976257324, 0.09630393981933594, 0.14042139053344727, 9.387529373168945, 16.530710220336914, 0.35385072231292725, 1.2150033712387085, 19.945510864257812, 0.3370652198791504, 0.29926419258117676, 17.983047485351562, 0.24973440170288086, 20.356863021850586, 13.366246223449707, 0.22767424583435059, 0.5434167385101318, 0.14730465412139893, 0.5011266469955444, 0.29338860511779785, 0.36472809314727783, 19.124435424804688, 1.3007428646087646, 0.2808663845062256, 15.96914291381836, 0.4070863723754883, 19.755373001098633, -0.004131197929382324, 0.22784876823425293, 0.23091018199920654, 2.4881434440612793, 0.10527682304382324, 13.174473762512207, 0.31995534896850586, 17.60987663269043, 0.29396235942840576, 0.19820356369018555, 0.052744150161743164, 15.9857816696167, 2.77217435836792, 18.167339324951172, 19.436161041259766, 6.24802303314209, 0.4148319959640503, 10.825729370117188, 0.4430563449859619, 15.792571067810059, 0.7701976299285889, 7.1676530838012695, 18.892810821533203, 22.05445671081543, 8.505760192871094, 14.672353744506836, -0.024989962577819824, 18.47345542907715, 0.03936874866485596, 17.848373413085938, 0.47348618507385254, 0.2368025779724121, 0.04665505886077881, 0.6761727333068848, 5.848936080932617, 0.23836874961853027, 18.895200729370117, 0.33586275577545166, 14.123089790344238, 8.271256446838379, -0.04476487636566162, 7.649054527282715, 0.3958629369735718, 1.0503854751586914, 7.573068618774414, 14.12151050567627, 20.915937423706055, 0.5619399547576904, 0.041228294372558594, 9.600523948669434, 0.07024908065795898, 9.534684181213379, 6.025809288024902, 18.71183967590332, 5.347228050231934, 10.284156799316406, 15.745587348937988, 20.275222778320312, 16.63168716430664, 20.965564727783203, 2.7657876014709473, 0.19843196868896484, 18.102649688720703, -0.02805781364440918, 14.544410705566406, 0.30998897552490234, 2.5642175674438477, 7.226311683654785, 19.770435333251953, 0.8344787955284119, 0.2864236831665039, -0.09076762199401855, 17.77016830444336, 0.24222040176391602, 14.180737495422363, 0.20423555374145508, 0.2234504222869873, 2.8192150592803955, 16.37869644165039, -0.02454972267150879, 19.7425594329834, 0.16278445720672607, 17.30192756652832, 0.053795576095581055, 14.184337615966797, 0.5253828167915344, 16.83600616455078, 0.20743680000305176, 11.149324417114258, 22.656532287597656, 0.42514538764953613, 0.16441941261291504, 15.254758834838867, 16.387338638305664, 8.621441841125488, -0.021636605262756348, 0.41195809841156006, 0.4972638487815857, 0.23175907135009766, 22.599637985229492, 21.99003028869629, 12.665740966796875, 16.735483169555664, 16.387432098388672, 0.3819746971130371, 0.25553393363952637, 14.475478172302246, 0.05603468418121338, 18.299245834350586, 15.41262435913086, 17.554527282714844, 0.08758068084716797, 0.26124823093414307, 0.13172507286071777, 4.613384246826172, 0.9317440986633301, 0.2739083766937256, 0.5710085034370422, 23.650493621826172, 20.028032302856445, 18.476675033569336, 0.12276887893676758, 0.187483549118042, 4.352081775665283, 15.679525375366211, 19.874662399291992, 0.20141232013702393, 0.0032886266708374023, 4.775811195373535, 18.7755069732666, 0.1625880002975464, -0.3045886754989624, 17.475650787353516, 19.26995086669922, 0.3250997066497803, 0.3697237968444824, 18.402217864990234, 18.52491569519043, 0.3738899230957031, 0.1643301248550415, 0.37878596782684326, 16.011642456054688, 0.06888222694396973, 0.6124985218048096, 0.0317990779876709, 16.043291091918945, 20.02583122253418, -0.15534758567810059, 2.325148344039917, 0.09171891212463379, 0.4166768789291382, 11.908513069152832, 19.935333251953125, 11.086899757385254]

# April

Epoch #: 1

Epoch: 1 Training Loss: 48.494569 Validation Loss: 39.494696

Validation loss decreased (inf --> 39.494696). Saving model ...

Time: 202.35492968559265

Current Time = 13:45:12

LR: 0.001

Epoch #: 2

Epoch: 2 Training Loss: 32.928833 Validation Loss: 26.334116

Validation loss decreased (39.494696 --> 26.334116). Saving model ...

Time: 201.41922903060913

Current Time = 13:48:33

LR: 0.001

Epoch #: 3

Epoch: 3 Training Loss: 28.728437 Validation Loss: 23.283237

Validation loss decreased (26.334116 --> 23.283237). Saving model ...

Time: 201.138977766037

Current Time = 13:51:54

LR: 0.001

Epoch #: 4

Epoch: 4 Training Loss: 24.284937 Validation Loss: 21.550815

Validation loss decreased (23.283237 --> 21.550815). Saving model ...

Time: 204.79055452346802

Current Time = 13:55:19

LR: 0.001

Epoch #: 5

Epoch: 5 Training Loss: 22.711426 Validation Loss: 18.916611

Validation loss decreased (21.550815 --> 18.916611). Saving model ...

Time: 214.83058285713196

Current Time = 13:58:54

LR: 0.001

Epoch #: 6

Epoch: 6 Training Loss: 21.024070 Validation Loss: 17.315439

Validation loss decreased (18.916611 --> 17.315439). Saving model ...

Time: 221.39465379714966

Current Time = 14:02:36

LR: 0.001

Epoch #: 7

Epoch: 7 Training Loss: 20.055131 Validation Loss: 19.114744

Time: 206.49955701828003

Current Time = 14:06:02

LR: 0.001

Epoch #: 8

Epoch: 8 Training Loss: 19.583890 Validation Loss: 15.648189

Validation loss decreased (17.315439 --> 15.648189). Saving model ...

Time: 217.84194684028625

Current Time = 14:09:40

LR: 0.001

Epoch #: 9

Epoch: 9 Training Loss: 18.142986 Validation Loss: 14.897588

Validation loss decreased (15.648189 --> 14.897588). Saving model ...

Time: 208.21559166908264

Current Time = 14:13:08

LR: 0.001

Epoch #: 10

Epoch: 10 Training Loss: 17.695109 Validation Loss: 14.490465

Validation loss decreased (14.897588 --> 14.490465). Saving model ...

Time: 206.4592695236206

Current Time = 14:16:35

LR: 0.001

Epoch #: 11

Epoch: 11 Training Loss: 17.548312 Validation Loss: 13.834530

Validation loss decreased (14.490465 --> 13.834530). Saving model ...

Time: 207.71738195419312

Current Time = 14:20:02

LR: 0.001

Epoch #: 12

Epoch: 12 Training Loss: 16.810330 Validation Loss: 14.262474

Time: 226.09176540374756

Current Time = 14:23:48

LR: 0.001

Epoch #: 13

Epoch: 13 Training Loss: 16.103190 Validation Loss: 16.211364

Time: 203.76794600486755

Current Time = 14:27:12

LR: 0.001

Epoch #: 14

Epoch: 14 Training Loss: 15.780082 Validation Loss: 13.348404

Validation loss decreased (13.834530 --> 13.348404). Saving model ...

Time: 203.1904911994934

Current Time = 14:30:35

LR: 0.001

Epoch #: 15

Epoch: 15 Training Loss: 15.107372 Validation Loss: 12.108196

Validation loss decreased (13.348404 --> 12.108196). Saving model ...

Time: 203.23989868164062

Current Time = 14:33:59

LR: 0.001

Epoch #: 16

Epoch: 16 Training Loss: 14.439002 Validation Loss: 11.977000

Validation loss decreased (12.108196 --> 11.977000). Saving model ...

Time: 202.52703762054443

Current Time = 14:37:21

LR: 0.001

Epoch #: 17

Epoch: 17 Training Loss: 14.019651 Validation Loss: 10.639003

Validation loss decreased (11.977000 --> 10.639003). Saving model ...

Time: 202.34774470329285

Current Time = 14:40:44

LR: 0.001

Epoch #: 18

Epoch: 18 Training Loss: 13.958353 Validation Loss: 12.537524

Time: 202.09841322898865

Current Time = 14:44:06

LR: 0.001

Epoch #: 19

Epoch: 19 Training Loss: 13.206729 Validation Loss: 12.715683

Time: 203.95743918418884

Current Time = 14:47:30

LR: 0.001

Epoch #: 20

Epoch: 20 Training Loss: 12.880175 Validation Loss: 10.120610

Validation loss decreased (10.639003 --> 10.120610). Saving model ...

Time: 202.72373938560486

Current Time = 14:50:52

LR: 0.001

Epoch #: 21

Epoch: 21 Training Loss: 12.731401 Validation Loss: 14.918494

Time: 203.9891378879547

Current Time = 14:54:16

LR: 0.001

Epoch #: 22

Epoch: 22 Training Loss: 12.365207 Validation Loss: 10.462165

Time: 203.9705033302307

Current Time = 14:57:40

LR: 0.001

Epoch #: 23

Epoch: 23 Training Loss: 12.212078 Validation Loss: 11.524131

Time: 203.64480018615723

Current Time = 15:01:04

LR: 0.001

Epoch #: 24

Epoch: 24 Training Loss: 12.103080 Validation Loss: 9.636987

Validation loss decreased (10.120610 --> 9.636987). Saving model ...

Time: 203.8726658821106

Current Time = 15:04:28

LR: 0.001

Epoch #: 25

Epoch: 25 Training Loss: 11.441563 Validation Loss: 9.001438

Validation loss decreased (9.636987 --> 9.001438). Saving model ...

Time: 203.54193115234375

Current Time = 15:07:51

LR: 0.001

Epoch #: 26

Epoch: 26 Training Loss: 11.066425 Validation Loss: 9.290324

Time: 203.54254913330078

Current Time = 15:11:15

LR: 0.001

Epoch #: 27

Epoch: 27 Training Loss: 10.967549 Validation Loss: 9.070828

Time: 202.70941472053528

Current Time = 15:14:38

LR: 0.001

Epoch #: 28

Epoch: 28 Training Loss: 11.032193 Validation Loss: 8.361248

Validation loss decreased (9.001438 --> 8.361248). Saving model ...

Time: 201.9508216381073

Current Time = 15:18:00

LR: 0.001

Epoch #: 29

Epoch: 29 Training Loss: 10.615177 Validation Loss: 8.772379

Time: 202.43850302696228

Current Time = 15:21:22

LR: 0.001

Epoch #: 30

Epoch: 30 Training Loss: 10.051870 Validation Loss: 10.280219

Time: 202.4594464302063

Current Time = 15:24:45

LR: 0.001

Epoch #: 31

Epoch: 31 Training Loss: 10.338696 Validation Loss: 8.094158

Validation loss decreased (8.361248 --> 8.094158). Saving model ...

Time: 202.97606420516968

Current Time = 15:28:08

LR: 0.001

Epoch #: 32

Epoch: 32 Training Loss: 9.754733 Validation Loss: 8.372586

Time: 202.12035250663757

Current Time = 15:31:30

LR: 0.001

Epoch #: 33

Epoch: 33 Training Loss: 9.798056 Validation Loss: 7.279644

Validation loss decreased (8.094158 --> 7.279644). Saving model ...

Time: 201.99768114089966

Current Time = 15:34:52

LR: 0.001

Epoch #: 34

Epoch: 34 Training Loss: 9.525793 Validation Loss: 8.337426

Time: 201.90891790390015

Current Time = 15:38:14

LR: 0.001

Epoch #: 35

Epoch: 35 Training Loss: 9.429290 Validation Loss: 7.943653

Time: 202.00665879249573

Current Time = 15:41:36

LR: 0.001

Epoch #: 36

Epoch: 36 Training Loss: 9.314350 Validation Loss: 7.726844

Time: 202.91821885108948

Current Time = 15:44:59

LR: 0.001

Epoch #: 37

Epoch: 37 Training Loss: 9.446980 Validation Loss: 7.470854

Time: 211.32625365257263

Current Time = 15:48:30

LR: 0.001

Epoch #: 38

Epoch: 38 Training Loss: 9.366927 Validation Loss: 7.503744

Time: 213.92029976844788

Current Time = 15:52:04

LR: 0.001

Epoch #: 39

Epoch: 39 Training Loss: 9.014963 Validation Loss: 6.691978

Validation loss decreased (7.279644 --> 6.691978). Saving model ...

Time: 206.7220435142517

Current Time = 15:55:31

LR: 0.001

Epoch #: 40

Epoch: 40 Training Loss: 8.943507 Validation Loss: 7.069311

Time: 213.0234875679016

Current Time = 15:59:04

LR: 0.001

Epoch #: 41

Epoch: 41 Training Loss: 8.707011 Validation Loss: 7.139865

Time: 224.32718181610107

Current Time = 16:02:48

LR: 0.0009699999999999999

Epoch #: 42

Epoch: 42 Training Loss: 8.708199 Validation Loss: 6.633932

Validation loss decreased (6.691978 --> 6.633932). Saving model ...

Time: 230.94758939743042

Current Time = 16:06:39

LR: 0.0009408999999999999

Epoch #: 43

Epoch: 43 Training Loss: 8.384657 Validation Loss: 7.127931

Time: 253.39289474487305

Current Time = 16:10:52

LR: 0.0009126729999999999

Epoch #: 44

Epoch: 44 Training Loss: 8.066000 Validation Loss: 6.389556

Validation loss decreased (6.633932 --> 6.389556). Saving model ...

Time: 215.70780038833618

Current Time = 16:14:28

LR: 0.0008852928099999999

Epoch #: 45

Epoch: 45 Training Loss: 8.012947 Validation Loss: 6.521137

Time: 214.93860530853271

Current Time = 16:18:03

LR: 0.0008587340256999998

Epoch #: 46

Epoch: 46 Training Loss: 8.262727 Validation Loss: 6.650195

Time: 217.92311477661133

Current Time = 16:21:41

LR: 0.0008329720049289999

Epoch #: 47

Epoch: 47 Training Loss: 7.869303 Validation Loss: 7.367409

Time: 217.16653966903687

Current Time = 16:25:18

LR: 0.0008079828447811299

Epoch #: 48

Epoch: 48 Training Loss: 7.898538 Validation Loss: 8.797823

Time: 218.9628164768219

Current Time = 16:28:57

LR: 0.0007837433594376959

Epoch #: 49

Epoch: 49 Training Loss: 7.553405 Validation Loss: 5.922100

Validation loss decreased (6.389556 --> 5.922100). Saving model ...

Time: 221.41909193992615

Current Time = 16:32:38

LR: 0.000760231058654565

Epoch #: 50

Epoch: 50 Training Loss: 7.579414 Validation Loss: 7.341922

Time: 216.62672972679138

Current Time = 16:36:15

LR: 0.000737424126894928

Epoch #: 51

Epoch: 51 Training Loss: 7.539443 Validation Loss: 6.257106

Time: 217.35479640960693

Current Time = 16:39:52

LR: 0.0007153014030880802

Epoch #: 52

Epoch: 52 Training Loss: 7.432519 Validation Loss: 5.418400

Validation loss decreased (5.922100 --> 5.418400). Saving model ...

Time: 222.67457032203674

Current Time = 16:43:35

LR: 0.0006938423609954377

Epoch #: 53

Epoch: 53 Training Loss: 7.028503 Validation Loss: 6.130415

Time: 220.99580717086792

Current Time = 16:47:16

LR: 0.0006730270901655745

Epoch #: 54

Epoch: 54 Training Loss: 7.127813 Validation Loss: 5.869381

Time: 218.15192341804504

Current Time = 16:50:54

LR: 0.0006528362774606073

Epoch #: 55

Epoch: 55 Training Loss: 6.841769 Validation Loss: 5.483229

Time: 219.46670126914978

Current Time = 16:54:34

LR: 0.0006332511891367891

Epoch #: 56

Epoch: 56 Training Loss: 6.532781 Validation Loss: 5.575980

Time: 219.29389071464539

Current Time = 16:58:13

LR: 0.0006142536534626854

Epoch #: 57

Epoch: 57 Training Loss: 6.668294 Validation Loss: 6.338640

Time: 230.4096872806549

Current Time = 17:02:04

LR: 0.0005958260438588048

Epoch #: 58

Epoch: 58 Training Loss: 6.609718 Validation Loss: 6.829278

Time: 220.36423587799072

Current Time = 17:05:44

LR: 0.0005779512625430406

Epoch #: 59

Epoch: 59 Training Loss: 6.680414 Validation Loss: 6.740469

Time: 227.88962721824646

Current Time = 17:09:32

LR: 0.0005606127246667494

Epoch #: 60

Epoch: 60 Training Loss: 6.463669 Validation Loss: 5.354824

Validation loss decreased (5.418400 --> 5.354824). Saving model ...

Time: 220.7068088054657

Current Time = 17:13:13

LR: 0.0005437943429267469

Epoch #: 61

Epoch: 61 Training Loss: 6.814595 Validation Loss: 5.597654

Time: 214.41671109199524

Current Time = 17:16:47

LR: 0.0005274805126389445

Epoch #: 62

Epoch: 62 Training Loss: 6.303945 Validation Loss: 5.394993

Time: 217.39670181274414

Current Time = 17:20:24

LR: 0.0005116560972597762

Epoch #: 63

Epoch: 63 Training Loss: 6.363850 Validation Loss: 6.534567

Time: 217.16572260856628

Current Time = 17:24:02

LR: 0.0004963064143419829

Epoch #: 64

Epoch: 64 Training Loss: 6.357102 Validation Loss: 5.050343

Validation loss decreased (5.354824 --> 5.050343). Saving model ...

Time: 215.52167415618896

Current Time = 17:27:37

LR: 0.00048141722191172336

Epoch #: 65

Epoch: 65 Training Loss: 6.309311 Validation Loss: 5.671425

Time: 210.24178194999695

Current Time = 17:31:07

LR: 0.00046697470525437166

Epoch #: 66

Epoch: 66 Training Loss: 6.137971 Validation Loss: 6.321643

Time: 212.9377498626709

Current Time = 17:34:40

LR: 0.0004529654640967405

Epoch #: 67

Epoch: 67 Training Loss: 6.305671 Validation Loss: 5.155417

Time: 217.0487940311432

Current Time = 17:38:17

LR: 0.0004393765001738382

Epoch #: 68

Epoch: 68 Training Loss: 6.103093 Validation Loss: 5.023264

Validation loss decreased (5.050343 --> 5.023264). Saving model ...

Time: 217.72978115081787

Current Time = 17:41:55

LR: 0.00042619520516862307

Epoch #: 69

Epoch: 69 Training Loss: 5.962928 Validation Loss: 5.334724

Time: 232.5224483013153

Current Time = 17:45:48

LR: 0.00041340934901356436

Epoch #: 70

Epoch: 70 Training Loss: 5.945754 Validation Loss: 5.461976

Time: 222.95980548858643

Current Time = 17:49:31

LR: 0.0004010070685431574

Epoch #: 71

Epoch: 71 Training Loss: 5.950858 Validation Loss: 5.756132

Time: 218.7551007270813

Current Time = 17:53:09

LR: 0.0003889768564868627

Epoch #: 72

Epoch: 72 Training Loss: 5.988417 Validation Loss: 5.724284

Time: 212.28320956230164

Current Time = 17:56:42

LR: 0.0003773075507922568

Epoch #: 73

Epoch: 73 Training Loss: 5.641371 Validation Loss: 5.505429

Time: 206.60336184501648

Current Time = 18:00:08

LR: 0.0003659883242684891

Epoch #: 74

Epoch: 74 Training Loss: 5.713788 Validation Loss: 5.553859

Time: 216.700758934021

Current Time = 18:03:45

LR: 0.00035500867454043444

Epoch #: 75

Epoch: 75 Training Loss: 5.729491 Validation Loss: 5.402387

Time: 223.9121470451355

Current Time = 18:07:29

LR: 0.0003443584143042214

Epoch #: 76

Epoch: 76 Training Loss: 5.579340 Validation Loss: 5.206052

Time: 246.5896282196045

Current Time = 18:11:35

LR: 0.00033402766187509475

Epoch #: 77

Epoch: 77 Training Loss: 5.750834 Validation Loss: 4.656056

Validation loss decreased (5.023264 --> 4.656056). Saving model ...

Time: 242.42766690254211

Current Time = 18:15:38

LR: 0.0003240068320188419

Epoch #: 78

Epoch: 78 Training Loss: 5.514826 Validation Loss: 5.824585

Time: 245.93482851982117

Current Time = 18:19:44

LR: 0.00031428662705827666

Epoch #: 79

Epoch: 79 Training Loss: 5.749815 Validation Loss: 5.030605

Time: 262.99595642089844

Current Time = 18:24:07

LR: 0.00030485802824652835

Epoch #: 80

Epoch: 80 Training Loss: 5.192891 Validation Loss: 5.132785

Time: 252.28627467155457

Current Time = 18:28:19

LR: 0.0002957122873991325

Operation Complete

[48.49456891987132, 32.92883348881868, 28.72843727063893, 24.2849374791179, 22.711425794438146, 21.024070187639495, 20.05513064356887, 19.583890223065573, 18.142986320227468, 17.695108623089077, 17.54831202850365, 16.810329620899257, 16.10319041239918, 15.780081836191984, 15.10737209399218, 14.439001860514985, 14.0196505989415, 13.958352770702785, 13.206728516897275, 12.880174546561866, 12.731400948208744, 12.365207303139972, 12.212077501155127, 12.103079655932628, 11.441563352380062, 11.066425246710262, 10.967548815471602, 11.032192830625828, 10.615176637045565, 10.05187028388485, 10.338695699199414, 9.754732614584329, 9.798055516829368, 9.52579261794934, 9.42928987405059, 9.314350070653695, 9.446980352985603, 9.366926611099299, 9.014962821765454, 8.943506879737173, 8.70701099798687, 8.708198945773276, 8.384657049701238, 8.06600011821186, 8.01294697486019, 8.262726789224285, 7.869302674715208, 7.89853806675017, 7.55340496378943, 7.579413583579568, 7.539443263061695, 7.4325187638701244, 7.028503401591919, 7.127812703116861, 6.841768996939682, 6.53278099306939, 6.668294358420653, 6.6097180018836115, 6.680414393363608, 6.463669100433196, 6.814594514595752, 6.3039451410653395, 6.363849957125297, 6.357101779111204, 6.309311393622588, 6.13797084153359, 6.305670673510065, 6.103093498156837, 5.962927737487402, 5.945754410157243, 5.950857831392221, 5.988417162923684, 5.641370814525809, 5.7137883261485936, 5.729490554421996, 5.5793397611115445, 5.750834141024633, 5.514826381166267, 5.749814831530495, 5.192890513843117]

[39.49469635290168, 26.334115851965397, 23.28323709329226, 21.550814513050874, 18.916610765534188, 17.315438798344385, 19.114744417598057, 15.648189132548689, 14.897588085016064, 14.490464615609996, 13.83452999148885, 14.26247391778741, 16.21136406889736, 13.348404274425906, 12.10819622296509, 11.977000251677195, 10.639002515950958, 12.537523937918643, 12.715682798903286, 10.12061017607256, 14.9184937846391, 10.462165356982313, 11.524130865681753, 9.63698731101628, 9.001437592788061, 9.290323890444729, 9.070827762847571, 8.361247611690994, 8.772378546849302, 10.28021917820747, 8.09415825226484, 8.372585570773708, 7.2796439608868955, 8.337425989641993, 7.9436525384231995, 7.726843893720568, 7.470854498409878, 7.503744136800866, 6.691978266002288, 7.069311094399608, 7.139865485406654, 6.633931996237625, 7.127931403203812, 6.3895560413454575, 6.521137468264061, 6.650194910002093, 7.367408601937271, 8.797822807206861, 5.922100044630456, 7.341921893623996, 6.257105930845264, 5.418400485748621, 6.130415026634113, 5.869381303584537, 5.483229448125128, 5.575979805026378, 6.338639556807925, 6.829277711605987, 6.740468617137491, 5.354824302871508, 5.597653641815332, 5.394992861180583, 6.53456667159505, 5.050342644069807, 5.6714247149537185, 6.32164306997627, 5.155416987631741, 5.0232643161017165, 5.334723902784998, 5.461975907049291, 5.756131971739413, 5.724284084841777, 5.505429369158237, 5.553859287948138, 5.4023870817823445, 5.206052148597306, 4.656055795477164, 5.824585166400199, 5.030605282604405, 5.132784607770563]

[1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80]

[0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.0009699999999999999, 0.0009408999999999999, 0.0009126729999999999, 0.0008852928099999999, 0.0008587340256999998, 0.0008329720049289999, 0.0008079828447811299, 0.0007837433594376959, 0.000760231058654565, 0.000737424126894928, 0.0007153014030880802, 0.0006938423609954377, 0.0006730270901655745, 0.0006528362774606073, 0.0006332511891367891, 0.0006142536534626854, 0.0005958260438588048, 0.0005779512625430406, 0.0005606127246667494, 0.0005437943429267469, 0.0005274805126389445, 0.0005116560972597762, 0.0004963064143419829, 0.00048141722191172336, 0.00046697470525437166, 0.0004529654640967405, 0.0004393765001738382, 0.00042619520516862307, 0.00041340934901356436, 0.0004010070685431574, 0.0003889768564868627, 0.0003773075507922568, 0.0003659883242684891, 0.00035500867454043444, 0.0003443584143042214, 0.00033402766187509475, 0.0003240068320188419, 0.00031428662705827666, 0.00030485802824652835, 0.0002957122873991325]

test loss from 0 : 13.141474723815918

Output of network: tensor([ 0.3699, 13.0453, 15.5813, 19.8985, 0.4429, 0.4621], device='cuda:0')

Target Values: tensor([ 0.0000, 14.5265, 24.2930, 20.3614, 0.0000, 0.0000], device='cuda:0')

loss from this run: 13.141474723815918

Output 2 : 13.04529857635498

Output 3 : 15.581297874450684

Output 4 : 19.89851188659668

Target 2 : 14.526541709899902

Target 3 : 24.293010711669922

Target 4 : 20.361448287963867

test loss from 1 : 6.873939514160156

Output of network: tensor([ 0.2174, 10.3571, 0.2678, 14.2752, 17.7657, 20.5820], device='cuda:0')

Target Values: tensor([ 0.0000, 10.5683, 0.0000, 16.4461, 16.3917, 26.4539], device='cuda:0')

loss from this run: 6.873939514160156

Output 2 : 10.357067108154297

Output 4 : 14.275217056274414

Output 5 : 17.765684127807617

Output 6 : 20.58198356628418

Target 2 : 10.5683012008667

Target 4 : 16.44609260559082

Target 5 : 16.391740798950195

Target 6 : 26.453916549682617

test loss from 2 : 7.974952697753906

Output of network: tensor([11.0824, 15.2799, 1.0745, 0.2360, 0.8795, 1.8250], device='cuda:0')

Target Values: tensor([12.0367, 8.8710, 0.0000, 0.0000, 0.0000, 3.7951], device='cuda:0')

test loss from 2 : 7.124914169311523

Output of network: tensor([ 6.7811, 25.5071, 1.0646, -0.2849, 21.9473, 0.2989], device='cuda:0')

Target Values: tensor([12.8692, 24.6899, 0.7742, 0.0000, 24.1295, 0.0000], device='cuda:0')

test loss from 2 : 3.530808448791504

Output of network: tensor([12.5523, 13.4449, 0.4997, 0.0612, 16.7358, 17.3054], device='cuda:0')

Target Values: tensor([ 8.8045, 10.9748, 0.0000, 0.0000, 16.4773, 18.1521], device='cuda:0')

test loss from 2 : 1.9592106342315674

Output of network: tensor([ 9.7570e+00, 2.6586e+01, 2.5284e-03, 1.2849e+01, 2.1334e-01,

-2.3529e-01], device='cuda:0')

Target Values: tensor([11.3128, 28.2717, 0.0000, 15.3771, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 2.004713535308838

Output of network: tensor([ 0.3394, 18.3801, 0.6839, 10.9522, 1.9235, 12.1341], device='cuda:0')

Target Values: tensor([ 0.3041, 18.6203, 0.0000, 13.6164, 0.0000, 11.2952], device='cuda:0')

test loss from 2 : 4.796431541442871

Output of network: tensor([ 0.3793, 14.5304, 22.3489, 23.0463, 0.4640, 5.5144], device='cuda:0')

Target Values: tensor([ 0.0000, 17.3588, 17.8307, 23.0556, 0.0000, 5.4425], device='cuda:0')

test loss from 2 : 1.5858328342437744

Output of network: tensor([ 0.5709, 5.9270, 0.2446, 0.2086, 23.4515, -0.1993], device='cuda:0')

Target Values: tensor([ 0.0000, 2.9323, 0.0000, 0.0000, 23.1726, 0.0000], device='cuda:0')

test loss from 2 : 0.5909627676010132

Output of network: tensor([ 0.0985, 0.4773, 16.5493, 0.3468, -0.0355, 1.0927], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 15.1377, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 0.16410723328590393

Output of network: tensor([ 0.0317, 0.1778, 0.2583, 12.6998, 0.2380, 0.3204], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 13.5519, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 1.2822390794754028

Output of network: tensor([ 1.5960, 0.6512, 0.0988, 15.9784, -0.2479, 0.4867], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 18.0793, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 3.2995479106903076

Output of network: tensor([13.9293, 22.3067, 0.3001, 0.2479, 10.3685, 0.2174], device='cuda:0')

Target Values: tensor([14.6113, 21.7418, 0.0000, 0.0000, 14.7060, 0.0000], device='cuda:0')

test loss from 2 : 0.7187224626541138

Output of network: tensor([ 6.7273, 0.2347, 11.2748, 1.4880, 0.3769, 20.1808], device='cuda:0')

Target Values: tensor([ 8.0630, 0.0000, 11.6159, 0.0000, 0.0000, 20.2047], device='cuda:0')

test loss from 2 : 0.9164695739746094

Output of network: tensor([13.4542, 0.0187, 0.1976, 17.2013, 0.1669, 0.2954], device='cuda:0')

Target Values: tensor([11.4456, 0.0000, 0.0000, 18.3458, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 6.263092041015625

Output of network: tensor([ 1.9764, 5.3478, 19.4188, 15.1282, 0.1788, -0.4227], device='cuda:0')

Target Values: tensor([ 0.0000, 10.8159, 18.0868, 13.7913, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 3.3007864952087402

Output of network: tensor([14.8045, 0.6339, 18.5638, 0.9206, 18.2773, 25.0942], device='cuda:0')

Target Values: tensor([11.2068, 0.0000, 16.5340, 1.3589, 17.1203, 24.1951], device='cuda:0')

test loss from 2 : 7.608548641204834

Output of network: tensor([10.3156, 0.6127, 12.4795, 19.5979, 10.8037, 17.0465], device='cuda:0')

Target Values: tensor([10.1910, 0.0000, 17.8716, 23.3654, 12.1629, 17.4265], device='cuda:0')

test loss from 2 : 1.9967689514160156

Output of network: tensor([31.4318, 1.2708, 22.3289, 22.4737, 1.9737, 0.4478], device='cuda:0')

Target Values: tensor([32.5642, 0.0000, 20.8244, 24.8621, 1.0173, 0.0000], device='cuda:0')

test loss from 2 : 2.2531604766845703

Output of network: tensor([ 0.4460, 22.8656, 18.9063, 0.9501, 0.9484, 12.4744], device='cuda:0')

Target Values: tensor([ 0.0000, 24.3162, 21.7855, 0.0000, 0.4153, 13.7931], device='cuda:0')

test loss from 2 : 4.907148361206055

Output of network: tensor([ 1.1975, 18.7518, 0.3107, 0.2699, 0.2776, 0.0390], device='cuda:0')

Target Values: tensor([ 0.0000, 13.4829, 0.0000, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 2.516000747680664

Output of network: tensor([ 0.2537, 0.4982, 0.5888, 6.3358, 5.4270, 16.0506], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 3.8046, 3.6552, 18.2620], device='cuda:0')

test loss from 2 : 0.7826859354972839

Output of network: tensor([ 1.4908, 0.4007, 1.3893, -0.2311, 0.3520, 0.4535], device='cuda:0')

Target Values: tensor([0., 0., 0., 0., 0., 0.], device='cuda:0')

test loss from 2 : 1.8185129165649414

Output of network: tensor([ 2.4020, 0.0438, 0.2953, 16.9614, 6.3776, 0.1192], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 18.4307, 4.6807, 0.0000], device='cuda:0')

test loss from 2 : 3.428223133087158

Output of network: tensor([ 0.3216, 1.7872, 0.1592, 0.5211, 2.5586, 22.8408], device='cuda:0')

Target Values: tensor([ 0.0000, 5.2541, 0.0000, 0.0000, 0.0000, 24.1068], device='cuda:0')

test loss from 2 : 1.553922414779663

Output of network: tensor([ 6.3260e-01, -7.4806e-03, 1.6879e+01, 5.3004e-01, 4.0645e-01,

2.0335e+00], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 18.9626, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 3.841874122619629

Output of network: tensor([ 0.5572, 0.9500, 0.4942, 2.9501, 3.1713, 15.7309], device='cuda:0')

Target Values: tensor([ 1.4429, 0.0000, 0.0000, 6.1447, 0.0000, 16.6568], device='cuda:0')

test loss from 2 : 2.0257670879364014

Output of network: tensor([12.0625, 12.8559, 21.2372, 1.0372, 0.2904, 4.3002], device='cuda:0')

Target Values: tensor([12.3996, 15.5787, 23.0655, 0.0000, 0.0000, 4.6533], device='cuda:0')

test loss from 2 : 9.661048889160156

Output of network: tensor([12.0215, 0.7521, 24.7498, 1.4671, 0.3777, 22.1762], device='cuda:0')

Target Values: tensor([10.9727, 0.0000, 25.9016, 8.7668, 0.0000, 23.4194], device='cuda:0')

test loss from 2 : 0.6490022540092468

Output of network: tensor([ 0.6165, 1.0453, 0.9501, 0.2532, 0.5668, 16.7226], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 0.0000, 0.0000, 15.6580], device='cuda:0')

test loss from 2 : 4.896496772766113

Output of network: tensor([ 0.1984, 0.8768, 0.0390, 10.2347, 0.2877, 13.3651], device='cuda:0')

Target Values: tensor([0.0000, 0.0000, 0.0000, 7.8308, 0.0000, 8.5999], device='cuda:0')

test loss from 2 : 4.38524055480957

Output of network: tensor([20.1815, 7.3252, 18.7518, 16.8358, -0.0853, 17.0130], device='cuda:0')

Target Values: tensor([20.6670, 9.2918, 14.8523, 16.1824, 0.0000, 19.5759], device='cuda:0')

test loss from 2 : 4.428973197937012

Output of network: tensor([ 0.2299, 19.5260, 6.4126, 16.1177, 15.0269, 1.2946], device='cuda:0')

Target Values: tensor([ 0.0000, 24.4042, 7.4114, 15.8918, 15.0032, 0.0000], device='cuda:0')

test loss from 2 : 0.6491706371307373

Output of network: tensor([ 0.5467, 0.1255, 19.4299, -0.6359, 17.2151, 22.6114], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 18.5444, 0.0000, 17.8083, 24.0397], device='cuda:0')

test loss from 2 : 0.4529010057449341

Output of network: tensor([15.9805, 0.6449, 0.4124, 10.1656, 0.3499, -0.0828], device='cuda:0')

Target Values: tensor([17.3841, 0.0000, 0.0000, 9.9870, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 2.4896914958953857

Output of network: tensor([21.6631, 8.8705, 12.8079, 3.7947, 15.7906, 0.5201], device='cuda:0')

Target Values: tensor([24.3213, 9.4306, 12.9131, 6.3104, 16.7645, 0.0000], device='cuda:0')

test loss from 2 : 2.218710422515869

Output of network: tensor([3.6546, 0.2610, 8.4157, 1.0188, 0.2426, 0.0703], device='cuda:0')

Target Values: tensor([6.6506, 0.0000, 6.6363, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 4.025970458984375

Output of network: tensor([ 0.4004, 0.4823, 5.0602, 16.8229, 23.5453, 0.8628], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 2.3569, 13.3118, 25.3845, 0.0000], device='cuda:0')

test loss from 2 : 7.845351219177246

Output of network: tensor([25.2683, 10.5198, 0.4635, 1.6542, 0.0915, 0.1637], device='cuda:0')

Target Values: tensor([18.6924, 9.6010, 0.0000, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 6.796014308929443

Output of network: tensor([20.9572, 9.9101, 5.8402, 20.6864, 0.9342, 0.0649], device='cuda:0')

Target Values: tensor([17.3048, 10.2576, 10.7354, 18.9007, 0.5358, 0.0000], device='cuda:0')

test loss from 2 : 6.9907026290893555

Output of network: tensor([ 0.3839, 2.9549, 19.8365, 17.1179, 7.9464, 0.3312], device='cuda:0')

Target Values: tensor([ 0.0000, 3.9722, 16.5787, 20.2591, 3.4551, 0.0000], device='cuda:0')

test loss from 2 : 3.9528136253356934

Output of network: tensor([ 0.4289, 0.2595, -0.2194, 21.6678, 1.3355, 4.3101], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 23.6726, 0.0000, 8.5071], device='cuda:0')

test loss from 2 : 2.7802541255950928

Output of network: tensor([ 0.4364, 0.1519, 20.6790, 0.4262, 0.1547, 1.3987], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 16.8966, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 8.79180908203125

Output of network: tensor([-0.3615, 0.5532, 1.0210, 14.4719, 0.1043, 18.4115], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 21.3898, 0.0000, 16.5667], device='cuda:0')

test loss from 2 : 1.7494099140167236

Output of network: tensor([11.8808, 18.3466, 0.2145, 0.9206, 16.5690, 0.3919], device='cuda:0')

Target Values: tensor([12.2236, 21.2496, 0.0000, 0.0000, 15.6182, 0.0000], device='cuda:0')

test loss from 2 : 1.8919179439544678

Output of network: tensor([19.9916, 0.8999, 0.0629, 1.6063, 18.7127, -0.0817], device='cuda:0')

Target Values: tensor([21.2184, 0.0000, 0.0000, 0.0000, 16.1738, 0.0000], device='cuda:0')

test loss from 2 : 1.9994548559188843

Output of network: tensor([0.4787, 5.8994, 0.4124, 9.6051, 1.0435, 1.8444], device='cuda:0')

Target Values: tensor([ 0.0000, 7.8361, 0.0000, 11.4370, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 0.996309220790863

Output of network: tensor([ 0.1002, 18.9405, 24.5597, 20.3700, -0.1052, 0.3103], device='cuda:0')

Target Values: tensor([ 0.0000, 19.7272, 22.5230, 19.3242, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 3.6516056060791016

Output of network: tensor([16.9817, 10.2814, 0.3713, 19.2386, 0.0303, 0.6073], device='cuda:0')

Target Values: tensor([18.9780, 8.0406, 0.0000, 22.7593, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 3.189619541168213

Output of network: tensor([-0.4902, 0.5950, 6.1905, 3.4752, 0.2440, 0.1351], device='cuda:0')

Target Values: tensor([0.0000, 0.0000, 3.6630, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 0.24622169137001038

Output of network: tensor([ 0.0914, 0.3202, 0.5166, 16.8843, 0.2251, 0.6249], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 17.7127, 0.3765, 0.0000], device='cuda:0')

test loss from 2 : 4.379030704498291

Output of network: tensor([ 5.8425, 6.6644, 23.8512, 17.7869, 0.6482, 1.3512], device='cuda:0')

Target Values: tensor([10.4133, 5.1392, 24.7944, 19.0976, 0.0000, 1.5185], device='cuda:0')

test loss from 2 : 2.158064842224121

Output of network: tensor([21.3831, 19.0303, 20.2514, 0.7486, 0.2801, 0.4448], device='cuda:0')

Target Values: tensor([23.4467, 20.0761, 22.8513, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 1.4325191974639893

Output of network: tensor([17.0177, 13.2387, 0.2647, 0.1077, 0.4568, 4.2169], device='cuda:0')

Target Values: tensor([19.3120, 12.1729, 0.0000, 0.0000, 0.0000, 2.8366], device='cuda:0')

test loss from 2 : 4.332277297973633

Output of network: tensor([ 0.2101, 22.3565, 0.0232, 22.5907, 0.2704, 0.6279], device='cuda:0')

Target Values: tensor([ 0.0000, 17.9972, 0.0000, 25.1360, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 3.094637393951416

Output of network: tensor([ 0.3268, 1.8624, 1.1471, 14.2824, 0.0223, 6.5672], device='cuda:0')

Target Values: tensor([ 0.0000, 2.0782, 0.0000, 12.4711, 0.0000, 2.8500], device='cuda:0')

test loss from 2 : 1.9703946113586426

Output of network: tensor([ 1.6800, 2.5891, 1.2234, 13.5685, -0.5417, 0.5582], device='cuda:0')

Target Values: tensor([ 1.1399, 0.0000, 0.0000, 15.2194, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 0.8137292265892029

Output of network: tensor([15.5646, 18.1348, 1.7319, 0.6146, 0.1893, 4.4517], device='cuda:0')

Target Values: tensor([15.4496, 18.6236, 0.0000, 0.0000, 0.0000, 3.3483], device='cuda:0')

test loss from 2 : 12.271839141845703

Output of network: tensor([15.3616, -0.5118, 27.7231, 1.5248, 9.3610, 0.9516], device='cuda:0')

Target Values: tensor([16.8314, 0.0000, 35.9628, 0.0000, 9.6533, 0.0000], device='cuda:0')

test loss from 2 : 0.687075138092041

Output of network: tensor([0.2430, 0.5699, 0.3420, 0.2075, 1.8769, 0.2363], device='cuda:0')

Target Values: tensor([0., 0., 0., 0., 0., 0.], device='cuda:0')

test loss from 2 : 7.352256774902344

Output of network: tensor([ 1.3384, 1.2602, 0.9692, 0.0366, 8.8352, 15.5080], device='cuda:0')

Target Values: tensor([ 0.0000, 4.2658, 0.0000, 0.0000, 14.3961, 14.3145], device='cuda:0')

test loss from 2 : 1.7105579376220703

Output of network: tensor([ 4.3742, 19.3532, 0.3574, 20.1673, 0.4460, 0.0366], device='cuda:0')

Target Values: tensor([ 5.4461, 17.9379, 0.0000, 22.7717, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 1.523238182067871

Output of network: tensor([24.5038, 0.5076, 0.3203, 23.4675, 0.3268, 0.4462], device='cuda:0')

Target Values: tensor([25.8843, 0.0000, 0.0000, 26.0302, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 2.19364333152771

Output of network: tensor([-2.3099e-01, 4.4291e-01, 3.3075e+00, -1.7727e-02, 1.5173e+01,

1.8283e+01], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 6.1956, 0.0000, 13.1015, 17.7532], device='cuda:0')

test loss from 2 : 11.375323295593262

Output of network: tensor([ 3.7317, 0.5839, 0.9608, 0.3777, 2.9869, 10.7677], device='cuda:0')

Target Values: tensor([ 4.9156, 0.0000, 0.0000, 0.0000, 11.0117, 9.7447], device='cuda:0')

test loss from 2 : 3.5954978466033936

Output of network: tensor([ 9.0001, 15.6872, 0.6773, 0.6279, 0.1886, 8.1874], device='cuda:0')

Target Values: tensor([ 4.5108, 14.9643, 0.0000, 0.0000, 0.0000, 8.1008], device='cuda:0')

test loss from 2 : 4.318257808685303

Output of network: tensor([0.4145, 0.2430, 0.4700, 5.3674, 1.0790, 0.7521], device='cuda:0')

Target Values: tensor([0.0000, 0.0000, 0.0000, 0.4687, 0.0000, 0.2076], device='cuda:0')

test loss from 2 : 2.510043144226074

Output of network: tensor([ 7.2927, 0.1303, 0.1222, 23.4711, 12.9436, 0.1998], device='cuda:0')

Target Values: tensor([ 8.3437, 0.0000, 0.0000, 26.5446, 15.0502, 0.0000], device='cuda:0')

test loss from 2 : 6.599604606628418

Output of network: tensor([2.3526, 6.8237, 3.1616, 8.3451, 5.5144, 0.2034], device='cuda:0')

Target Values: tensor([ 2.3342, 3.8903, 0.7781, 12.0610, 8.8998, 0.0000], device='cuda:0')

test loss from 2 : 2.5644655227661133

Output of network: tensor([ 0.0497, 1.4892, 22.5756, 23.9007, 2.6465, -0.3182], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 25.1227, 23.5873, 5.1920, 0.0000], device='cuda:0')

test loss from 2 : 0.9044703245162964

Output of network: tensor([ 5.3674, 21.6321, 0.0472, 0.4083, 9.0323, 0.1425], device='cuda:0')

Target Values: tensor([ 3.5133, 21.2343, 0.0000, 0.0000, 10.3136, 0.0000], device='cuda:0')

test loss from 2 : 8.748929023742676

Output of network: tensor([ 0.2590, 0.7637, 0.1006, 13.4761, 22.7349, 20.0407], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 10.8343, 24.2028, 26.5751], device='cuda:0')

test loss from 2 : 1.6345288753509521

Output of network: tensor([ 0.0605, 21.2348, 1.7355, 1.1733, 14.3831, 24.7790], device='cuda:0')

Target Values: tensor([ 0.0000, 19.4530, 0.4440, 0.0000, 16.1489, 24.0963], device='cuda:0')

test loss from 2 : 4.307394504547119

Output of network: tensor([18.0654, 0.4936, 4.4308, 16.8161, 2.2652, 0.3591], device='cuda:0')

Target Values: tensor([15.8703, 0.4309, 6.9844, 19.8559, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 3.3590314388275146

Output of network: tensor([ 0.9500, 4.2169, 0.4520, 0.2716, 13.1052, 0.5406], device='cuda:0')

Target Values: tensor([ 0.0000, 7.9141, 0.0000, 0.0000, 15.3440, 0.0000], device='cuda:0')

test loss from 2 : 0.8556984663009644

Output of network: tensor([0.2366, 1.0413, 5.3260, 0.4207, 0.2043, 0.4400], device='cuda:0')

Target Values: tensor([0.0000, 0.0000, 3.4336, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 6.840532302856445

Output of network: tensor([27.0087, 12.3792, 23.4801, 21.0077, 0.7079, 23.0285], device='cuda:0')

Target Values: tensor([27.4505, 14.5932, 20.3523, 25.6712, 0.1276, 21.0090], device='cuda:0')

test loss from 2 : 3.8128154277801514

Output of network: tensor([19.5998, -0.1068, 9.1026, 17.1450, 14.2499, 20.5592], device='cuda:0')

Target Values: tensor([18.5262, 0.0000, 12.4167, 16.9115, 16.7928, 18.5077], device='cuda:0')

test loss from 2 : 10.806541442871094

Output of network: tensor([ 2.0897, 3.7679, 19.5163, 22.2188, 0.5132, 15.5540], device='cuda:0')

Target Values: tensor([ 0.0000, 7.5047, 22.0875, 23.8250, 0.0000, 9.4667], device='cuda:0')

test loss from 2 : 4.635924339294434

Output of network: tensor([ 5.4602, 8.6047, 0.9323, 4.3670, 0.9714, 18.1101], device='cuda:0')

Target Values: tensor([ 4.5817, 12.3666, 0.0000, 7.2608, 0.3796, 19.9264], device='cuda:0')

test loss from 2 : 4.968841075897217

Output of network: tensor([ 0.0548, 16.1483, -0.1433, 1.1149, 15.7906, 0.7054], device='cuda:0')

Target Values: tensor([ 0.0000, 21.4444, 0.0000, 0.0000, 15.8115, 0.0000], device='cuda:0')

test loss from 2 : 23.76666831970215

Output of network: tensor([9.6203, 0.6855, 1.1932, 0.4211, 0.2900, 0.5335], device='cuda:0')

Target Values: tensor([21.3718, 0.0000, 0.0000, 0.0000, 0.0000, 2.0652], device='cuda:0')

test loss from 2 : 8.345413208007812

Output of network: tensor([ 0.6245, 0.0447, 4.3691, 14.5164, 14.6411, -0.7008], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 11.2595, 15.2655, 15.7135, 0.0000], device='cuda:0')

test loss from 2 : 1.1769018173217773

Output of network: tensor([ 0.2109, 0.2775, 22.6340, 11.3660, 5.9414, 3.3263], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 23.0216, 13.3864, 7.4801, 2.7433], device='cuda:0')

test loss from 2 : 0.9489375352859497

Output of network: tensor([23.8066, 3.7277, 4.9226, 6.4837, 1.3257, 0.2702], device='cuda:0')

Target Values: tensor([24.5130, 4.9192, 6.1903, 5.9031, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 1.9576892852783203

Output of network: tensor([18.3194, 1.3512, -0.0286, 12.9733, 0.9113, 0.4048], device='cuda:0')

Target Values: tensor([19.4848, 2.2777, 0.0000, 15.9120, 0.0000, 0.6536], device='cuda:0')

test loss from 2 : 12.043521881103516

Output of network: tensor([ 5.3265, 0.3390, 27.1138, 9.5299, 14.3257, 1.9808], device='cuda:0')

Target Values: tensor([ 6.8846, 0.0000, 25.2941, 17.6119, 14.8007, 2.9102], device='cuda:0')

test loss from 2 : 0.4471898674964905

Output of network: tensor([ 0.7910, 11.5667, 0.6080, 0.5001, 21.9260, 0.0855], device='cuda:0')

Target Values: tensor([ 1.2458, 11.1788, 0.0000, 0.1935, 23.2880, 0.0000], device='cuda:0')

test loss from 2 : 10.607163429260254

Output of network: tensor([13.6597, 14.3233, 12.5523, 27.7231, 0.1562, 0.2713], device='cuda:0')

Target Values: tensor([15.8762, 20.1196, 9.9402, 31.9907, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 8.336241722106934

Output of network: tensor([22.3565, 5.6065, 1.4977, 22.1142, 6.0178, -0.0371], device='cuda:0')

Target Values: tensor([18.1123, 10.0162, 0.4420, 22.3383, 2.6426, 0.0000], device='cuda:0')

test loss from 2 : 3.308253049850464

Output of network: tensor([22.4745, 2.3558, 0.4762, 0.4869, 0.1248, 5.3482], device='cuda:0')

Target Values: tensor([23.3339, 0.0000, 0.0000, 0.0000, 0.0000, 8.9651], device='cuda:0')

test loss from 2 : 0.8563675880432129

Output of network: tensor([23.4711, -0.2473, 0.7647, 22.9688, 6.0996, 0.2862], device='cuda:0')

Target Values: tensor([24.2867, 0.0000, 0.0000, 22.9279, 8.0345, 0.0000], device='cuda:0')

test loss from 2 : 3.7511966228485107

Output of network: tensor([-0.4620, 13.3056, 3.8739, 0.4511, 0.7863, 0.4675], device='cuda:0')

Target Values: tensor([ 0.0000, 15.8049, 0.0000, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 2.2164478302001953

Output of network: tensor([18.5455, 0.6127, 7.4345, 5.3192, 1.9865, 0.5938], device='cuda:0')

Target Values: tensor([18.0396, 0.0000, 5.1596, 3.5322, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 1.9058301448822021

Output of network: tensor([ 6.3225, 0.3926, 1.8307, 12.0585, 0.4463, 0.1980], device='cuda:0')

Target Values: tensor([ 9.2882, 0.0000, 2.3203, 13.4754, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 2.580251455307007

Output of network: tensor([ 0.3019, 17.1701, 0.7592, 20.3075, 18.6543, 0.7555], device='cuda:0')

Target Values: tensor([ 0.0000, 15.7287, 2.6161, 17.5476, 17.3593, 0.0000], device='cuda:0')

test loss from 2 : 6.527846336364746

Output of network: tensor([ 0.1957, 24.3781, 24.1679, 17.8620, 0.2086, 0.4038], device='cuda:0')

Target Values: tensor([ 0.0000, 23.3943, 23.8607, 24.0151, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 0.8023397922515869

Output of network: tensor([ 1.0453, 0.5556, 23.7946, 11.0931, 0.8470, 1.4908], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 25.3133, 10.6641, 0.0000, 1.0382], device='cuda:0')

test loss from 2 : 7.108356475830078

Output of network: tensor([ 2.8968, 11.9913, 16.9959, 1.1816, 20.1129, 0.3508], device='cuda:0')

Target Values: tensor([ 0.0000, 17.4967, 15.8709, 0.0000, 21.1922, 0.0000], device='cuda:0')

test loss from 2 : 10.315707206726074

Output of network: tensor([17.8617, 6.9113, -0.6248, 26.6272, 26.0294, 0.0887], device='cuda:0')

Target Values: tensor([14.5418, 13.8825, 0.0000, 26.6668, 24.6599, 0.0000], device='cuda:0')

test loss from 2 : 2.3327512741088867

Output of network: tensor([-1.0448, 0.5349, 0.3246, 16.7437, -0.0171, 4.0382], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 20.1105, 0.0000, 5.1234], device='cuda:0')

test loss from 2 : 0.08578797429800034

Output of network: tensor([-1.1958e-02, 5.1358e-01, 2.2742e+01, 3.1548e-01, 1.3339e-01,

3.3466e-01], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 22.5954, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 1.8993180990219116

Output of network: tensor([ 0.3638, 0.5959, 0.4111, 1.3565, 12.1392, 12.7487], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 2.0107, 11.2318, 9.6684], device='cuda:0')

test loss from 2 : 0.33790624141693115

Output of network: tensor([ 0.1933, 7.4315, 0.1697, 1.0596, 0.8805, -0.1854], device='cuda:0')

Target Values: tensor([0.0000, 7.6015, 0.0000, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 20.288047790527344

Output of network: tensor([19.9762, 22.9352, 17.8750, 22.7802, 15.7248, 0.3898], device='cuda:0')

Target Values: tensor([22.6587, 26.3657, 20.5123, 32.2804, 18.0492, 0.0000], device='cuda:0')

test loss from 2 : 0.16357573866844177

Output of network: tensor([-0.1186, 0.6382, 0.3684, 0.1033, 0.3197, 0.5581], device='cuda:0')

Target Values: tensor([0., 0., 0., 0., 0., 0.], device='cuda:0')

test loss from 2 : 8.95628547668457

Output of network: tensor([ 0.3719, 12.4009, 14.8649, 9.3458, 0.2136, 23.2601], device='cuda:0')

Target Values: tensor([ 0.0000, 14.2933, 14.1266, 15.6538, 0.0000, 26.3645], device='cuda:0')

test loss from 2 : 0.30239832401275635

Output of network: tensor([ 0.5456, 0.5083, 21.3191, 0.3296, 16.4189, 6.6592], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 21.3185, 0.0000, 17.4745, 6.8477], device='cuda:0')

test loss from 2 : 0.5616812705993652

Output of network: tensor([15.4960, 0.4223, 1.1975, 24.5038, 0.3759, 0.2278], device='cuda:0')

Target Values: tensor([15.2452, 0.0000, 0.0000, 23.2784, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 0.5733886361122131

Output of network: tensor([ 8.3197, 0.0477, 24.1252, 6.4831, 0.3246, 12.3171], device='cuda:0')

Target Values: tensor([ 9.6870, 0.0000, 23.5488, 6.5810, 0.0000, 11.2581], device='cuda:0')

test loss from 2 : 1.0168299674987793

Output of network: tensor([20.1755, 0.4520, 18.5664, 14.9677, 22.7747, 0.3487], device='cuda:0')

Target Values: tensor([20.7334, 0.0000, 18.6971, 13.0567, 24.1144, 0.0000], device='cuda:0')

test loss from 2 : 8.245100021362305

Output of network: tensor([ 0.0649, 17.9734, 1.1149, 12.1224, 2.3834, 19.5916], device='cuda:0')

Target Values: tensor([ 0.0000, 20.7452, 0.0000, 12.3651, 2.3042, 13.2295], device='cuda:0')

test loss from 2 : 0.8228549957275391

Output of network: tensor([17.3054, 0.4259, 0.6540, 14.6889, 9.6456, 1.3798], device='cuda:0')

Target Values: tensor([17.3009, 0.0000, 0.0000, 13.3446, 8.8602, 0.0000], device='cuda:0')

test loss from 2 : 5.674005031585693

Output of network: tensor([ 0.1278, 2.6465, 2.2573, 3.5978, 16.7741, 0.1907], device='cuda:0')

Target Values: tensor([ 0.0000, 2.4680, 0.0000, 8.9186, 17.5178, 0.0000], device='cuda:0')

test loss from 2 : 2.9951157569885254

Output of network: tensor([20.0545, 25.1907, 12.3294, 0.2218, 0.0740, 19.3659], device='cuda:0')

Target Values: tensor([20.9791, 28.1851, 10.7776, 0.0000, 0.0000, 16.9813], device='cuda:0')

test loss from 2 : 1.2583234310150146

Output of network: tensor([ 0.2654, 0.3759, 0.3357, 17.4545, 13.1471, -0.2996], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 14.8467, 12.5684, 0.0000], device='cuda:0')

test loss from 2 : 6.0165910720825195

Output of network: tensor([17.7916, 7.6300, 18.1101, 0.4986, 5.4440, 0.4165], device='cuda:0')

Target Values: tensor([18.1496, 6.3812, 20.1963, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 10.303325653076172

Output of network: tensor([17.4586, 1.5470, 10.6044, 16.2287, 15.6650, 14.8366], device='cuda:0')

Target Values: tensor([22.6879, 0.0000, 10.5546, 21.0926, 13.8992, 17.1392], device='cuda:0')

test loss from 2 : 2.8387413024902344

Output of network: tensor([ 3.1503, 9.4737, 0.2861, 2.5603, 15.2343, 20.2508], device='cuda:0')

Target Values: tensor([ 3.6779, 12.3015, 0.0000, 0.0000, 15.7628, 21.6075], device='cuda:0')

test loss from 2 : 11.318410873413086

Output of network: tensor([12.6678, 23.2134, 9.1066, 0.3783, 7.5305, -0.2926], device='cuda:0')

Target Values: tensor([13.9059, 22.8466, 15.7238, 0.0000, 12.2451, 0.0000], device='cuda:0')

test loss from 2 : 4.891288757324219

Output of network: tensor([ 7.4406, 18.1567, 0.3952, 20.5841, 1.3223, 26.2674], device='cuda:0')

Target Values: tensor([ 2.2015, 17.4011, 0.0000, 21.1555, 2.0278, 25.6770], device='cuda:0')

test loss from 2 : 0.8510664701461792

Output of network: tensor([10.4187, 0.5280, 1.1081, 3.8085, 0.2602, 9.0001], device='cuda:0')

Target Values: tensor([11.4917, 0.0000, 0.0000, 4.1746, 0.0000, 10.4990], device='cuda:0')

test loss from 2 : 1.7932283878326416

Output of network: tensor([14.5304, 0.3574, 1.6915, 0.4911, 17.4020, 0.2678], device='cuda:0')

Target Values: tensor([13.3794, 0.0000, 4.6683, 0.0000, 17.7666, 0.0000], device='cuda:0')

test loss from 2 : 2.4653029441833496

Output of network: tensor([19.9540, 23.2399, 0.5196, 0.1918, -0.3715, 1.2140], device='cuda:0')

Target Values: tensor([23.5390, 23.9543, 0.0000, 0.0000, 0.0000, 0.2220], device='cuda:0')

test loss from 2 : 3.032224416732788

Output of network: tensor([20.1663, 11.4934, 19.5665, 0.3952, 0.1590, 17.2638], device='cuda:0')

Target Values: tensor([21.1865, 12.0960, 15.5395, 0.0000, 0.0000, 17.8895], device='cuda:0')

test loss from 2 : 4.718327522277832

Output of network: tensor([ 0.4721, 1.2785, 23.6242, 21.4828, 21.7719, 0.3568], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 23.5288, 22.4749, 26.8050, 0.0000], device='cuda:0')

test loss from 2 : 3.286177635192871

Output of network: tensor([ 7.1151, 23.1499, 0.1055, 14.6884, -0.1372, 15.5190], device='cuda:0')

Target Values: tensor([ 7.5841, 26.5049, 0.0000, 15.4747, 0.0000, 18.2744], device='cuda:0')

test loss from 2 : 5.454328536987305

Output of network: tensor([0.3975, 0.6855, 0.4921, 5.5885, 2.1334, 0.2848], device='cuda:0')

Target Values: tensor([0.0000, 0.0000, 1.1389, 7.7277, 7.3317, 0.0000], device='cuda:0')

test loss from 2 : 3.6082687377929688

Output of network: tensor([ 9.9696, 12.1734, 20.2759, 7.5425, 14.3605, 0.3609], device='cuda:0')

Target Values: tensor([10.5829, 15.8746, 22.8620, 8.3126, 13.9570, 0.0000], device='cuda:0')

test loss from 2 : 2.2181131839752197

Output of network: tensor([ 0.4618, 0.1746, -0.6359, 2.3596, 2.6623, -0.0727], device='cuda:0')

Target Values: tensor([0., 0., 0., 0., 0., 0.], device='cuda:0')

test loss from 2 : 6.313127040863037

Output of network: tensor([ 8.9140, 0.1254, 0.3725, 18.0391, 0.2144, 21.2180], device='cuda:0')

Target Values: tensor([14.5762, 0.0000, 0.0000, 17.2919, 0.0000, 23.4674], device='cuda:0')

test loss from 2 : 11.325189590454102

Output of network: tensor([15.3935, 20.8237, 0.3056, 0.2675, 20.2506, 12.6998], device='cuda:0')

Target Values: tensor([20.5502, 23.6609, 0.0000, 0.0000, 18.3213, 18.1241], device='cuda:0')

test loss from 2 : 5.027700424194336

Output of network: tensor([23.2623, 1.2066, 0.3802, 0.1857, 10.4778, -0.0859], device='cuda:0')

Target Values: tensor([22.1782, 0.0000, 0.0000, 0.0000, 5.2482, 0.0000], device='cuda:0')

test loss from 2 : 9.405597686767578

Output of network: tensor([26.5860, 0.4896, 11.8221, 10.0733, 16.1141, 0.2060], device='cuda:0')

Target Values: tensor([23.2169, 0.0000, 17.0077, 14.2615, 15.5058, 0.0000], device='cuda:0')

test loss from 2 : 5.364953994750977

Output of network: tensor([12.6960, 3.0021, 2.2573, 0.2906, 19.8627, 0.1610], device='cuda:0')

Target Values: tensor([16.7119, 0.0000, 0.0000, 0.0000, 18.5050, 0.0000], device='cuda:0')

test loss from 2 : 0.7826957702636719

Output of network: tensor([ 0.3615, 15.7934, 13.4542, 0.4956, 0.5775, 21.2427], device='cuda:0')

Target Values: tensor([ 0.0000, 16.3187, 11.6218, 0.0000, 0.0000, 20.6488], device='cuda:0')

test loss from 2 : 1.0350347757339478

Output of network: tensor([20.0802, 15.9834, 0.2262, 18.5331, 5.0400, 0.0818], device='cuda:0')

Target Values: tensor([21.8775, 15.3040, 0.0000, 17.8472, 6.4508, 0.0000], device='cuda:0')

test loss from 2 : 5.327770233154297

Output of network: tensor([13.3080, 0.8538, 9.5298, 0.2558, 25.5595, 0.0568], device='cuda:0')

Target Values: tensor([18.7515, 0.0000, 10.7342, 0.0000, 25.8536, 0.0000], device='cuda:0')

test loss from 2 : 0.8371719121932983

Output of network: tensor([16.7226, 0.5157, 0.1332, 0.5087, 21.4223, 12.9869], device='cuda:0')

Target Values: tensor([17.5378, 0.0000, 0.0000, 0.0000, 22.9769, 11.8039], device='cuda:0')

test loss from 2 : 3.370220184326172

Output of network: tensor([19.0259, 18.8489, 21.9696, 18.3194, 11.9181, 0.5699], device='cuda:0')

Target Values: tensor([20.5378, 18.3765, 24.5433, 20.8616, 9.8444, 0.0000], device='cuda:0')

test loss from 2 : 2.432192087173462

Output of network: tensor([ 0.2647, 23.6503, 6.7051, 0.4869, 0.8836, 14.0025], device='cuda:0')

Target Values: tensor([ 0.0000, 22.6144, 9.6373, 0.0000, 0.0000, 15.9606], device='cuda:0')

test loss from 2 : 8.601112365722656

Output of network: tensor([18.5731, -0.3706, 0.5064, 11.0729, -0.2547, 0.7376], device='cuda:0')

Target Values: tensor([19.0986, 0.0000, 0.0000, 18.1671, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 1.4525692462921143

Output of network: tensor([27.5124, 0.4015, 12.1853, 0.2948, 5.3192, 20.4617], device='cuda:0')

Target Values: tensor([25.1202, 0.0000, 12.4235, 0.0000, 3.9777, 19.5192], device='cuda:0')

test loss from 2 : 2.877377986907959

Output of network: tensor([ 0.4145, 3.4433, 2.2260, 0.2302, 0.1887, 17.4646], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 0.0000, 0.0000, 17.9030], device='cuda:0')

test loss from 2 : 4.691375732421875

Output of network: tensor([ 0.4595, 6.5649, -0.0457, 0.1870, 12.3105, 25.6065], device='cuda:0')

Target Values: tensor([ 0.0000, 2.8216, 0.0000, 0.0000, 15.1809, 23.2299], device='cuda:0')

test loss from 2 : 10.566667556762695

Output of network: tensor([ 0.5509, 24.5858, 18.5664, 20.5459, 9.4737, 12.7915], device='cuda:0')

Target Values: tensor([ 0.0000, 25.2146, 16.3634, 26.4121, 14.2080, 13.8018], device='cuda:0')

test loss from 2 : 5.244598388671875

Output of network: tensor([23.5910, 8.8339, 0.2340, 11.5375, 0.4543, 16.1195], device='cuda:0')

Target Values: tensor([23.9979, 8.9701, 0.0000, 14.9134, 0.0000, 20.5495], device='cuda:0')

test loss from 2 : 6.158891201019287

Output of network: tensor([13.6866, 19.2212, 21.8246, 18.6765, 0.2408, 11.9913], device='cuda:0')

Target Values: tensor([ 8.2220, 18.3890, 23.2414, 20.6496, 0.0000, 12.6552], device='cuda:0')

test loss from 2 : 2.090977668762207

Output of network: tensor([26.1060, 21.0395, 0.0835, 17.7618, 0.3879, 0.1039], device='cuda:0')

Target Values: tensor([26.1055, 17.5242, 0.0000, 17.6180, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 8.260008811950684

Output of network: tensor([ 0.8432, 18.5129, -0.1122, 23.7324, 0.2697, 15.3619], device='cuda:0')

Target Values: tensor([ 0.0000, 13.1235, 0.0000, 28.0194, 0.0000, 16.5195], device='cuda:0')

test loss from 2 : 4.8233323097229

Output of network: tensor([ 0.3228, -0.5098, 22.3581, 0.3230, 21.0138, 19.1055], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 19.6400, 0.0000, 16.5453, 18.0491], device='cuda:0')

test loss from 2 : 3.948662519454956

Output of network: tensor([ 1.0847, 0.5339, 23.4128, 0.2028, 4.3651, 0.7490], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 25.0171, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 3.5596446990966797

Output of network: tensor([ 5.1940, 14.2438, 2.4482, 0.4165, 0.3148, 16.0479], device='cuda:0')

Target Values: tensor([ 6.6062, 18.2546, 3.9750, 0.0000, 0.0000, 16.8688], device='cuda:0')

test loss from 2 : 1.3015309572219849

Output of network: tensor([18.7003, 0.3643, 0.2677, 22.2609, 0.1952, 9.3179], device='cuda:0')

Target Values: tensor([17.8640, 0.0000, 0.0000, 19.8937, 0.0000, 8.1939], device='cuda:0')

test loss from 2 : 6.02264928817749

Output of network: tensor([2.4836, 0.4795, 0.8408, 4.8962, 0.5505, 0.1296], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 10.2545, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 5.9202070236206055

Output of network: tensor([11.4445, 12.7937, 20.6896, 0.4403, 0.1929, 24.7938], device='cuda:0')

Target Values: tensor([16.8693, 11.8273, 22.7177, 0.0000, 0.0000, 25.6964], device='cuda:0')

test loss from 2 : 1.300075650215149

Output of network: tensor([ 1.2109e-03, 6.1403e+00, 1.9234e+01, -8.4658e-02, 2.6392e+01,

2.1212e-01], device='cuda:0')

Target Values: tensor([ 0.0000, 5.2430, 19.4840, 0.0000, 23.7687, 0.0000], device='cuda:0')

test loss from 2 : 1.461754322052002

Output of network: tensor([-0.3663, 26.2969, 21.1527, 0.2221, 0.1245, 12.7509], device='cuda:0')

Target Values: tensor([ 0.0000, 26.8357, 23.5049, 0.0000, 0.0000, 11.0932], device='cuda:0')

test loss from 2 : 5.062868595123291

Output of network: tensor([23.7861, 8.6215, 2.3596, 0.2264, 0.2611, 17.3691], device='cuda:0')

Target Values: tensor([23.7278, 13.5653, 0.3840, 0.0000, 0.0000, 15.9871], device='cuda:0')

test loss from 2 : 0.43855616450309753

Output of network: tensor([1.1932e+00, 2.5094e+01, 1.5796e-02, 1.6450e-01, 6.3776e+00, 7.6767e-01],

device='cuda:0')

Target Values: tensor([ 0.0000, 24.7318, 0.0000, 0.0000, 5.6996, 0.0000], device='cuda:0')

test loss from 2 : 2.4833102226257324

Output of network: tensor([25.0271, 0.0974, 6.4824, 0.3587, -0.2122, 20.4544], device='cuda:0')

Target Values: tensor([25.1739, 0.0000, 9.1239, 0.0000, 0.0000, 23.2324], device='cuda:0')

test loss from 2 : 2.6184792518615723

Output of network: tensor([ 0.4207, 0.7759, 18.0318, -0.1031, 8.7300, 21.9244], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 15.9720, 0.0000, 9.3632, 18.7185], device='cuda:0')

test loss from 2 : 7.499991416931152

Output of network: tensor([ 0.5406, 0.2059, 0.3270, 17.4812, 17.3006, 6.3439], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 18.2134, 15.0276, 12.5774], device='cuda:0')

test loss from 2 : 4.2624735832214355

Output of network: tensor([ 0.6444, 0.4385, 23.4184, 19.1491, 1.6736, 5.2334], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 28.0106, 17.1814, 1.6306, 5.3057], device='cuda:0')

test loss from 2 : 3.8857486248016357

Output of network: tensor([ 4.0207, 0.0258, 5.7080, 8.1320, 2.1194, 16.9818], device='cuda:0')

Target Values: tensor([ 8.0854, 0.0000, 5.6401, 5.5982, 2.2860, 16.3997], device='cuda:0')

test loss from 2 : 3.104412794113159

Output of network: tensor([16.9464, 24.1064, 0.2511, 18.0999, 19.8282, -0.0641], device='cuda:0')

Target Values: tensor([16.2272, 22.8324, 0.0000, 20.9088, 22.7486, 0.0000], device='cuda:0')

test loss from 2 : 1.4109476804733276

Output of network: tensor([ 1.8624, 0.9271, 0.5076, 0.2948, 22.1471, 17.4523], device='cuda:0')

Target Values: tensor([ 2.1283, 0.0000, 0.0000, 0.0000, 22.4558, 20.1161], device='cuda:0')

test loss from 2 : 5.6626176834106445

Output of network: tensor([16.0346, 0.3150, 6.2878, 0.4945, 13.7115, 0.6249], device='cuda:0')

Target Values: tensor([13.7916, 0.0000, 8.9588, 0.0000, 9.1207, 0.0000], device='cuda:0')

test loss from 2 : 8.859525680541992

Output of network: tensor([23.2908, 23.3821, 8.6224, 0.4463, 13.5363, 17.8750], device='cuda:0')

Target Values: tensor([25.4623, 24.7067, 7.5810, 0.0000, 17.3693, 23.4168], device='cuda:0')

test loss from 2 : 1.2857636213302612

Output of network: tensor([ 0.5300, 0.5690, 22.1599, 0.2257, -0.1953, 0.1027], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 24.8076, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 2.533945322036743

Output of network: tensor([ 0.3352, 0.3299, 18.1034, 3.0616, 13.9783, 17.1465], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 20.0587, 6.0877, 14.1994, 18.5441], device='cuda:0')

test loss from 2 : 12.13580322265625

Output of network: tensor([ 4.9628, 15.3881, 6.3849, 3.7118, 17.9161, 0.3878], device='cuda:0')

Target Values: tensor([ 5.1925, 8.4947, 3.4791, 0.0000, 16.2217, 0.0000], device='cuda:0')

test loss from 2 : 1.8550337553024292

Output of network: tensor([14.1900, 0.1164, 0.4986, 0.3216, 23.2740, 1.1625], device='cuda:0')

Target Values: tensor([17.0461, 0.0000, 0.0000, 0.0000, 24.3947, 0.0000], device='cuda:0')

test loss from 2 : 8.052712440490723

Output of network: tensor([13.2387, 1.9008, 9.6515, 0.1280, 0.7002, 0.3638], device='cuda:0')

Target Values: tensor([13.1935, 3.5066, 16.3669, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 7.385156154632568

Output of network: tensor([12.2743, -0.1693, 21.1527, 0.5959, 2.3526, 17.8620], device='cuda:0')

Target Values: tensor([11.7830, 0.0000, 23.3244, 0.0000, 7.0251, 22.0017], device='cuda:0')

test loss from 2 : 6.756804466247559

Output of network: tensor([ 1.2569, 1.9438, 4.0911, 20.0583, -0.1129, 0.5716], device='cuda:0')

Target Values: tensor([ 1.0125, 1.9295, 8.8958, 24.1883, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 3.6157689094543457

Output of network: tensor([ 1.5755, 0.9501, 23.6359, 0.5724, 0.2101, 5.6669], device='cuda:0')

Target Values: tensor([ 0.5087, 0.0000, 27.0593, 0.0000, 0.0000, 8.4170], device='cuda:0')

test loss from 2 : 10.285284042358398

Output of network: tensor([ 0.7118, 15.9083, 1.3926, 2.8962, 0.5423, 0.2250], device='cuda:0')

Target Values: tensor([ 0.0000, 13.5252, 0.0000, 10.1456, 0.0000, 1.0838], device='cuda:0')

test loss from 2 : 0.883201539516449

Output of network: tensor([1.3653e+01, 1.2186e+00, 1.9733e+01, 1.1516e-01, 7.1040e-01, 7.2587e-03],

device='cuda:0')

Target Values: tensor([12.5032, 0.0000, 18.2413, 0.0000, 1.2150, 0.0000], device='cuda:0')

test loss from 2 : 0.8932361602783203

Output of network: tensor([ 0.5919, 0.4223, 23.3005, 0.2044, 1.6542, 0.6483], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 25.0874, 0.0000, 0.5700, 0.0000], device='cuda:0')

test loss from 2 : 4.280860424041748

Output of network: tensor([ 0.4784, 10.2347, 4.5590, 15.0526, 0.4776, -0.3222], device='cuda:0')

Target Values: tensor([ 0.0000, 9.7198, 9.5334, 14.7140, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 10.707415580749512

Output of network: tensor([22.6068, 8.9354, 11.2822, 17.5751, 1.7680, 2.2726], device='cuda:0')

Target Values: tensor([20.2317, 4.7313, 13.0906, 23.3114, 0.1902, 0.7681], device='cuda:0')

test loss from 2 : 3.0198066234588623

Output of network: tensor([15.0502, 0.1737, 14.3215, 9.7182, 6.3849, 0.5400], device='cuda:0')

Target Values: tensor([12.6629, 0.0000, 13.7908, 12.5418, 8.3453, 0.0000], device='cuda:0')

test loss from 2 : 1.4539577960968018

Output of network: tensor([ 0.3374, 7.4125, 0.2433, 0.1574, 22.3031, 24.5075], device='cuda:0')

Target Values: tensor([ 0.0000, 8.3254, 0.0000, 0.0000, 24.3288, 26.4020], device='cuda:0')

test loss from 2 : 0.3874358832836151

Output of network: tensor([25.6132, 0.2057, 0.4498, -0.4602, 25.2080, 16.0999], device='cuda:0')

Target Values: tensor([24.7845, 0.0000, 0.0000, 0.0000, 25.4972, 17.1477], device='cuda:0')

test loss from 2 : 2.6221561431884766

Output of network: tensor([-0.1068, 6.3439, 1.0847, 27.1519, 1.6530, 0.5406], device='cuda:0')

Target Values: tensor([ 0.0000, 8.7815, 0.0000, 24.7900, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 5.062542915344238

Output of network: tensor([ 0.3176, -0.2310, 2.0120, 13.1455, 0.1904, 1.3223], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 12.1456, 0.0000, 6.3360], device='cuda:0')

test loss from 2 : 11.506277084350586

Output of network: tensor([27.1519, 20.8687, 0.6821, 0.3517, 2.8659, 17.6756], device='cuda:0')

Target Values: tensor([25.0882, 20.1258, 0.0000, 0.0000, 0.0000, 10.2309], device='cuda:0')

test loss from 2 : 2.615710496902466

Output of network: tensor([ 0.7287, 15.0526, 0.0559, -0.2833, -0.0817, 5.5401], device='cuda:0')

Target Values: tensor([ 0.0000, 15.9466, 0.0000, 0.0000, 0.0000, 9.3182], device='cuda:0')

test loss from 2 : 1.6047061681747437

Output of network: tensor([ 2.3135, 9.0001, 7.3324, 0.0187, 15.0285, 0.3239], device='cuda:0')

Target Values: tensor([ 0.4465, 8.8750, 4.9301, 0.0000, 14.5277, 0.0000], device='cuda:0')

test loss from 2 : 6.252135276794434

Output of network: tensor([ 0.2926, 0.8838, 11.3953, 2.5038, 20.2393, 16.8789], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 8.8127, 0.0000, 24.4876, 19.2578], device='cuda:0')

test loss from 2 : 5.5116987228393555

Output of network: tensor([ 0.2157, 0.2631, 21.7681, 22.8607, 18.9943, 11.8357], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 24.6302, 22.4219, 23.4183, 14.0714], device='cuda:0')

test loss from 2 : 6.312834739685059

Output of network: tensor([26.7125, 12.9436, 13.3458, 11.5375, 13.8861, 22.0182], device='cuda:0')

Target Values: tensor([26.7709, 16.5906, 17.7020, 13.8845, 14.0640, 21.7806], device='cuda:0')

test loss from 2 : 6.396350383758545

Output of network: tensor([ 0.3681, 19.3415, 0.5578, 10.3757, 0.1592, 12.4806], device='cuda:0')

Target Values: tensor([ 0.0000, 17.7644, 0.0000, 16.2418, 0.0000, 11.4767], device='cuda:0')

test loss from 2 : 9.03167724609375

Output of network: tensor([20.5215, 17.3666, 0.9539, 4.0878, 1.2066, 19.4188], device='cuda:0')

Target Values: tensor([17.7607, 16.9038, 0.0000, 10.5902, 1.3950, 17.6504], device='cuda:0')

test loss from 2 : 12.43442440032959

Output of network: tensor([-0.1772, 0.0390, 0.1775, -0.2310, 22.1471, 5.3420], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 0.0000, 13.8806, 7.8226], device='cuda:0')

test loss from 2 : 1.1580915451049805

Output of network: tensor([13.6754, 0.2471, 21.6755, 23.3315, 0.1746, 15.4871], device='cuda:0')

Target Values: tensor([11.9879, 0.0000, 22.9862, 24.1289, 0.0000, 16.7738], device='cuda:0')

test loss from 2 : 1.318972110748291

Output of network: tensor([ 2.0987, 23.4952, 0.4479, 0.3558, 0.6155, 0.1473], device='cuda:0')

Target Values: tensor([ 0.0000, 25.1630, 0.0000, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 3.8555285930633545

Output of network: tensor([10.5445, 0.6582, 0.2935, 22.0113, 7.7502, 0.5430], device='cuda:0')

Target Values: tensor([14.0708, 0.0000, 0.0000, 23.5408, 5.0035, 0.0000], device='cuda:0')

test loss from 2 : 2.4629273414611816

Output of network: tensor([ 6.7273, 18.1913, 0.4303, 0.2311, 0.0215, 0.4452], device='cuda:0')

Target Values: tensor([ 3.9527, 15.6141, 0.0000, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 5.226487159729004

Output of network: tensor([ 1.0011, 11.6026, 0.0610, 4.1195, 16.7086, 11.6426], device='cuda:0')

Target Values: tensor([ 0.0000, 15.0678, 0.0000, 0.0000, 15.7256, 11.0036], device='cuda:0')

test loss from 2 : 0.2276647537946701

Output of network: tensor([19.0441, 0.1857, 0.8952, 0.3230, 0.3878, 21.0665], device='cuda:0')

Target Values: tensor([18.6538, 0.0000, 0.0000, 0.0000, 0.0000, 20.7159], device='cuda:0')

test loss from 2 : 1.2574036121368408

Output of network: tensor([ 0.0866, 18.2875, 0.9516, 0.5610, 0.4507, 0.5668], device='cuda:0')

Target Values: tensor([ 0.0000, 15.8808, 0.0000, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 1.4675953388214111

Output of network: tensor([19.0417, 3.8834, 1.8444, 21.9696, 0.3867, 19.2625], device='cuda:0')

Target Values: tensor([18.1425, 4.1003, 0.0000, 22.3760, 1.8414, 17.7570], device='cuda:0')

test loss from 2 : 6.983325481414795

Output of network: tensor([ 1.4996, 11.1023, 0.1379, 0.4298, 0.2608, 3.6535], device='cuda:0')

Target Values: tensor([ 7.5724, 10.4008, 0.0000, 0.0000, 0.0000, 5.7166], device='cuda:0')

test loss from 2 : 0.9069656133651733

Output of network: tensor([ 0.5834, 0.3808, 0.3392, 0.5928, 10.8896, 20.7487], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 0.0000, 13.0075, 20.6803], device='cuda:0')

test loss from 2 : 14.289403915405273

Output of network: tensor([7.2334], device='cuda:0')

Target Values: tensor([3.4533], device='cuda:0')

Test Loss (mean squared error): 0.721824

Time: 53.09096908569336

Targets: [0.0, 14.526541709899902, 24.293010711669922, 20.361448287963867, 0.0, 0.0, 0.0, 10.5683012008667, 0.0, 16.44609260559082, 16.391740798950195, 26.453916549682617, 12.036717414855957, 8.871044158935547, 0.0, 0.0, 0.0, 3.7950503826141357, 12.869190216064453, 24.689897537231445, 0.774172842502594, 0.0, 24.129533767700195, 0.0, 8.804533004760742, 10.974781036376953, 0.0, 0.0, 16.477291107177734, 18.15212631225586, 11.312816619873047, 28.27166175842285, 0.0, 15.377140045166016, 0.0, 0.0, 0.3041367530822754, 18.620262145996094, 0.0, 13.61642837524414, 0.0, 11.295207977294922, 0.0, 17.358793258666992, 17.830720901489258, 23.055557250976562, 0.0, 5.442497253417969, 0.0, 2.9322566986083984, 0.0, 0.0, 23.17259407043457, 0.0, 0.0, 0.0, 15.137679100036621, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 13.551868438720703, 0.0, 0.0, 0.0, 0.0, 0.0, 18.07932472229004, 0.0, 0.0, 14.6112699508667, 21.74184226989746, 0.0, 0.0, 14.706028938293457, 0.0, 8.062973022460938, 0.0, 11.615882873535156, 0.0, 0.0, 20.20470428466797, 11.445615768432617, 0.0, 0.0, 18.34575080871582, 0.0, 0.0, 0.0, 10.815927505493164, 18.0867862701416, 13.791327476501465, 0.0, 0.0, 11.206750869750977, 0.0, 16.53398895263672, 1.3588662147521973, 17.120296478271484, 24.19511604309082, 10.191043853759766, 0.0, 17.87164306640625, 23.36538314819336, 12.162906646728516, 17.426511764526367, 32.56422805786133, 0.0, 20.824392318725586, 24.862136840820312, 1.01734459400177, 0.0, 0.0, 24.316211700439453, 21.785484313964844, 0.0, 0.41526252031326294, 13.793116569519043, 0.0, 13.48292064666748, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 3.8045883178710938, 3.6552135944366455, 18.26203155517578, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 18.430665969848633, 4.680685043334961, 0.0, 0.0, 5.254129409790039, 0.0, 0.0, 0.0, 24.106775283813477, 0.0, 0.0, 18.962596893310547, 0.0, 0.0, 0.0, 1.4428582191467285, 0.0, 0.0, 6.1447248458862305, 0.0, 16.65677261352539, 12.39962100982666, 15.578744888305664, 23.06546401977539, 0.0, 0.0, 4.653281211853027, 10.972660064697266, 0.0, 25.901620864868164, 8.76681900024414, 0.0, 23.419361114501953, 0.0, 0.0, 0.0, 0.0, 0.0, 15.658042907714844, 0.0, 0.0, 0.0, 7.830789089202881, 0.0, 8.59987735748291, 20.66695785522461, 9.291753768920898, 14.852316856384277, 16.182390213012695, 0.0, 19.575923919677734, 0.0, 24.404151916503906, 7.411406993865967, 15.891758918762207, 15.00324821472168, 0.0, 0.0, 0.0, 18.544376373291016, 0.0, 17.80828857421875, 24.03974151611328, 17.38413429260254, 0.0, 0.0, 9.987044334411621, 0.0, 0.0, 24.321264266967773, 9.430587768554688, 12.913125038146973, 6.310425758361816, 16.764488220214844, 0.0, 6.650598049163818, 0.0, 6.636343002319336, 0.0, 0.0, 0.0, 0.0, 0.0, 2.3569343090057373, 13.311750411987305, 25.384464263916016, 0.0, 18.692445755004883, 9.600994110107422, 0.0, 0.0, 0.0, 0.0, 17.304838180541992, 10.257583618164062, 10.735433578491211, 18.900659561157227, 0.5357864499092102, 0.0, 0.0, 3.9722089767456055, 16.578697204589844, 20.259122848510742, 3.4551165103912354, 0.0, 0.0, 0.0, 0.0, 23.672603607177734, 0.0, 8.507110595703125, 0.0, 0.0, 16.89659881591797, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 21.389760971069336, 0.0, 16.56673812866211, 12.223612785339355, 21.2496395111084, 0.0, 0.0, 15.618247032165527, 0.0, 21.21836280822754, 0.0, 0.0, 0.0, 16.17376708984375, 0.0, 0.0, 7.836124897003174, 0.0, 11.436973571777344, 0.0, 0.0, 0.0, 19.727184295654297, 22.523019790649414, 19.32420539855957, 0.0, 0.0, 18.97799301147461, 8.04061222076416, 0.0, 22.75933265686035, 0.0, 0.0, 0.0, 0.0, 3.6629676818847656, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 17.71265983581543, 0.37653008103370667, 0.0, 10.413334846496582, 5.139187812805176, 24.794395446777344, 19.097579956054688, 0.0, 1.5184907913208008, 23.446653366088867, 20.076053619384766, 22.851301193237305, 0.0, 0.0, 0.0, 19.3120059967041, 12.17293643951416, 0.0, 0.0, 0.0, 2.836630344390869, 0.0, 17.997238159179688, 0.0, 25.136011123657227, 0.0, 0.0, 0.0, 2.0781548023223877, 0.0, 12.471057891845703, 0.0, 2.8500185012817383, 1.1399141550064087, 0.0, 0.0, 15.2193603515625, 0.0, 0.0, 15.449584007263184, 18.623594284057617, 0.0, 0.0, 0.0, 3.348301649093628, 16.83144187927246, 0.0, 35.96283721923828, 0.0, 9.653267860412598, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 4.265764236450195, 0.0, 0.0, 14.396059036254883, 14.314496994018555, 5.446058750152588, 17.937885284423828, 0.0, 22.771724700927734, 0.0, 0.0, 25.88427734375, 0.0, 0.0, 26.030210494995117, 0.0, 0.0, 0.0, 0.0, 6.195602893829346, 0.0, 13.101466178894043, 17.753158569335938, 4.9156107902526855, 0.0, 0.0, 0.0, 11.011662483215332, 9.744739532470703, 4.510794162750244, 14.964285850524902, 0.0, 0.0, 0.0, 8.100831031799316, 0.0, 0.0, 0.0, 0.4686944782733917, 0.0, 0.20763126015663147, 8.343716621398926, 0.0, 0.0, 26.5445613861084, 15.050222396850586, 0.0, 2.3341574668884277, 3.8902623653411865, 0.7780525088310242, 12.06101131439209, 8.899825096130371, 0.0, 0.0, 0.0, 25.122745513916016, 23.587326049804688, 5.191959857940674, 0.0, 3.513314723968506, 21.234296798706055, 0.0, 0.0, 10.313593864440918, 0.0, 0.0, 0.0, 0.0, 10.834346771240234, 24.20275115966797, 26.57513999938965, 0.0, 19.453025817871094, 0.4440001845359802, 0.0, 16.148948669433594, 24.096281051635742, 15.87032699584961, 0.43086808919906616, 6.9844160079956055, 19.855899810791016, 0.0, 0.0, 0.0, 7.914112567901611, 0.0, 0.0, 15.34399127960205, 0.0, 0.0, 0.0, 3.433558225631714, 0.0, 0.0, 0.0, 27.450502395629883, 14.593238830566406, 20.352313995361328, 25.671178817749023, 0.12758471071720123, 21.009044647216797, 18.526199340820312, 0.0, 12.416670799255371, 16.91145896911621, 16.79277229309082, 18.507673263549805, 0.0, 7.504663944244385, 22.087520599365234, 23.82496452331543, 0.0, 9.466748237609863, 4.581736087799072, 12.36658000946045, 0.0, 7.2607598304748535, 0.3796226978302002, 19.926403045654297, 0.0, 21.444368362426758, 0.0, 0.0, 15.811487197875977, 0.0, 21.37183380126953, 0.0, 0.0, 0.0, 0.0, 2.0652010440826416, 0.0, 0.0, 11.259539604187012, 15.265506744384766, 15.713508605957031, 0.0, 0.0, 0.0, 23.021591186523438, 13.386384963989258, 7.480142593383789, 2.743252754211426, 24.51299476623535, 4.919206142425537, 6.190348148345947, 5.90305757522583, 0.0, 0.0, 19.48483657836914, 2.277736186981201, 0.0, 15.911991119384766, 0.0, 0.6535826921463013, 6.884563446044922, 0.0, 25.294065475463867, 17.611894607543945, 14.8006591796875, 2.9102060794830322, 1.2457876205444336, 11.178780555725098, 0.0, 0.1935432106256485, 23.287967681884766, 0.0, 15.876233100891113, 20.11956787109375, 9.940241813659668, 31.990690231323242, 0.0, 0.0, 18.112266540527344, 10.016240119934082, 0.4420410692691803, 22.338321685791016, 2.642554521560669, 0.0, 23.333871841430664, 0.0, 0.0, 0.0, 0.0, 8.965058326721191, 24.28667449951172, 0.0, 0.0, 22.927894592285156, 8.034457206726074, 0.0, 0.0, 15.80490779876709, 0.0, 0.0, 0.0, 0.0, 18.03963279724121, 0.0, 5.159595966339111, 3.532193660736084, 0.0, 0.0, 9.288190841674805, 0.0, 2.32030987739563, 13.475431442260742, 0.0, 0.0, 0.0, 15.72866439819336, 2.6160664558410645, 17.547584533691406, 17.359331130981445, 0.0, 0.0, 23.39430809020996, 23.860721588134766, 24.015090942382812, 0.0, 0.0, 0.0, 0.0, 25.31328010559082, 10.664057731628418, 0.0, 1.038156270980835, 0.0, 17.496675491333008, 15.870857238769531, 0.0, 21.192228317260742, 0.0, 14.541812896728516, 13.882489204406738, 0.0, 26.6667537689209, 24.65987777709961, 0.0, 0.0, 0.0, 0.0, 20.110475540161133, 0.0, 5.123401165008545, 0.0, 0.0, 22.59544563293457, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 2.0107460021972656, 11.231793403625488, 9.668438911437988, 0.0, 7.60145378112793, 0.0, 0.0, 0.0, 0.0, 22.65867805480957, 26.365707397460938, 20.512258529663086, 32.28044509887695, 18.049156188964844, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 14.293280601501465, 14.126618385314941, 15.653773307800293, 0.0, 26.364501953125, 0.0, 0.0, 21.3184871673584, 0.0, 17.474468231201172, 6.847696304321289, 15.245234489440918, 0.0, 0.0, 23.278400421142578, 0.0, 0.0, 9.687020301818848, 0.0, 23.548795700073242, 6.580986022949219, 0.0, 11.258139610290527, 20.733352661132812, 0.0, 18.697118759155273, 13.056718826293945, 24.114412307739258, 0.0, 0.0, 20.745168685913086, 0.0, 12.365130424499512, 2.3042356967926025, 13.229541778564453, 17.300926208496094, 0.0, 0.0, 13.34455680847168, 8.8601655960083, 0.0, 0.0, 2.4679553508758545, 0.0, 8.918642044067383, 17.51778793334961, 0.0, 20.97907829284668, 28.185108184814453, 10.777584075927734, 0.0, 0.0, 16.981313705444336, 0.0, 0.0, 0.0, 14.846692085266113, 12.568373680114746, 0.0, 18.149635314941406, 6.3812103271484375, 20.196306228637695, 0.0, 0.0, 0.0, 22.687936782836914, 0.0, 10.554628372192383, 21.092641830444336, 13.899201393127441, 17.139150619506836, 3.677948236465454, 12.301549911499023, 0.0, 0.0, 15.762751579284668, 21.60748291015625, 13.905900955200195, 22.846620559692383, 15.723797798156738, 0.0, 12.245050430297852, 0.0, 2.201484441757202, 17.401086807250977, 0.0, 21.155502319335938, 2.027768850326538, 25.67699432373047, 11.491667747497559, 0.0, 0.0, 4.174631595611572, 0.0, 10.499043464660645, 13.37941837310791, 0.0, 4.6683149337768555, 0.0, 17.76660919189453, 0.0, 23.539037704467773, 23.954252243041992, 0.0, 0.0, 0.0, 0.2220000922679901, 21.186452865600586, 12.095983505249023, 15.53954792022705, 0.0, 0.0, 17.889482498168945, 0.0, 0.0, 23.528783798217773, 22.474933624267578, 26.804983139038086, 0.0, 7.584068775177002, 26.50494384765625, 0.0, 15.474699020385742, 0.0, 18.274394989013672, 0.0, 0.0, 1.1388680934906006, 7.727733612060547, 7.3316650390625, 0.0, 10.58291244506836, 15.874600410461426, 22.86202621459961, 8.31264877319336, 13.956997871398926, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 14.57624626159668, 0.0, 0.0, 17.291921615600586, 0.0, 23.46736717224121, 20.550168991088867, 23.66090965270996, 0.0, 0.0, 18.321298599243164, 18.124094009399414, 22.17817497253418, 0.0, 0.0, 0.0, 5.248188495635986, 0.0, 23.21686363220215, 0.0, 17.007678985595703, 14.261482238769531, 15.505805015563965, 0.0, 16.71194839477539, 0.0, 0.0, 0.0, 18.505046844482422, 0.0, 0.0, 16.318744659423828, 11.621834754943848, 0.0, 0.0, 20.648767471313477, 21.87747573852539, 15.304021835327148, 0.0, 17.847248077392578, 6.450773239135742, 0.0, 18.75151252746582, 0.0, 10.734155654907227, 0.0, 25.853586196899414, 0.0, 17.537830352783203, 0.0, 0.0, 0.0, 22.97690200805664, 11.803894996643066, 20.537813186645508, 18.376462936401367, 24.543323516845703, 20.861642837524414, 9.84443473815918, 0.0, 0.0, 22.614351272583008, 9.637313842773438, 0.0, 0.0, 15.960610389709473, 19.098554611206055, 0.0, 0.0, 18.167085647583008, 0.0, 0.0, 25.120206832885742, 0.0, 12.423535346984863, 0.0, 3.977710008621216, 19.519163131713867, 0.0, 0.0, 0.0, 0.0, 0.0, 17.903024673461914, 0.0, 2.8216464519500732, 0.0, 0.0, 15.180935859680176, 23.229896545410156, 0.0, 25.21458625793457, 16.36339569091797, 26.412139892578125, 14.207965850830078, 13.801844596862793, 23.997907638549805, 8.970149040222168, 0.0, 14.91341495513916, 0.0, 20.549524307250977, 8.221975326538086, 18.3890323638916, 23.241424560546875, 20.649572372436523, 0.0, 12.65521240234375, 26.10550880432129, 17.524248123168945, 0.0, 17.618043899536133, 0.0, 0.0, 0.0, 13.123502731323242, 0.0, 28.019392013549805, 0.0, 16.519472122192383, 0.0, 0.0, 19.640010833740234, 0.0, 16.545310974121094, 18.049102783203125, 0.0, 0.0, 25.017114639282227, 0.0, 0.0, 0.0, 6.606176376342773, 18.25461196899414, 3.9749526977539062, 0.0, 0.0, 16.868770599365234, 17.86398696899414, 0.0, 0.0, 19.893661499023438, 0.0, 8.1939115524292, 0.0, 0.0, 0.0, 10.254474639892578, 0.0, 0.0, 16.8692569732666, 11.827287673950195, 22.717655181884766, 0.0, 0.0, 25.696420669555664, 0.0, 5.243016242980957, 19.484020233154297, 0.0, 23.768747329711914, 0.0, 0.0, 26.835676193237305, 23.504947662353516, 0.0, 0.0, 11.093177795410156, 23.72784423828125, 13.565336227416992, 0.3840392529964447, 0.0, 0.0, 15.987106323242188, 0.0, 24.731779098510742, 0.0, 0.0, 5.699594497680664, 0.0, 25.173938751220703, 0.0, 9.123891830444336, 0.0, 0.0, 23.232419967651367, 0.0, 0.0, 15.972030639648438, 0.0, 9.363245010375977, 18.718486785888672, 0.0, 0.0, 0.0, 18.21343994140625, 15.027592658996582, 12.577387809753418, 0.0, 0.0, 28.0106201171875, 17.181394577026367, 1.6306394338607788, 5.305674076080322, 8.085432052612305, 0.0, 5.640102386474609, 5.598188877105713, 2.286043882369995, 16.399707794189453, 16.227176666259766, 22.832408905029297, 0.0, 20.908756256103516, 22.748647689819336, 0.0, 2.1283345222473145, 0.0, 0.0, 0.0, 22.455808639526367, 20.116058349609375, 13.791552543640137, 0.0, 8.958820343017578, 0.0, 9.120695114135742, 0.0, 25.462291717529297, 24.70670509338379, 7.580991268157959, 0.0, 17.369333267211914, 23.41681480407715, 0.0, 0.0, 24.8076171875, 0.0, 0.0, 0.0, 0.0, 0.0, 20.05870246887207, 6.08768892288208, 14.199357032775879, 18.54410743713379, 5.19252347946167, 8.494651794433594, 3.4790685176849365, 0.0, 16.22171401977539, 0.0, 17.046064376831055, 0.0, 0.0, 0.0, 24.39470100402832, 0.0, 13.193512916564941, 3.5066018104553223, 16.366928100585938, 0.0, 0.0, 0.0, 11.783007621765137, 0.0, 23.32444190979004, 0.0, 7.025131702423096, 22.001667022705078, 1.0124691724777222, 1.9295036792755127, 8.895771980285645, 24.188262939453125, 0.0, 0.0, 0.508672297000885, 0.0, 27.059274673461914, 0.0, 0.0, 8.416960716247559, 0.0, 13.525164604187012, 0.0, 10.145617485046387, 0.0, 1.083831548690796, 12.503190994262695, 0.0, 18.241270065307617, 0.0, 1.2149629592895508, 0.0, 0.0, 0.0, 25.087440490722656, 0.0, 0.5699570775032043, 0.0, 0.0, 9.719841003417969, 9.53336238861084, 14.714021682739258, 0.0, 0.0, 20.231698989868164, 4.731290340423584, 13.090578079223633, 23.311403274536133, 0.19016897678375244, 0.7680785059928894, 12.662894248962402, 0.0, 13.790841102600098, 12.541836738586426, 8.345329284667969, 0.0, 0.0, 8.325431823730469, 0.0, 0.0, 24.328752517700195, 26.40203094482422, 24.784534454345703, 0.0, 0.0, 0.0, 25.497150421142578, 17.147741317749023, 0.0, 8.78148365020752, 0.0, 24.78995132446289, 0.0, 0.0, 0.0, 0.0, 0.0, 12.145565032958984, 0.0, 6.3359575271606445, 25.088184356689453, 20.125808715820312, 0.0, 0.0, 0.0, 10.23086929321289, 0.0, 15.946596145629883, 0.0, 0.0, 0.0, 9.318169593811035, 0.44648873805999756, 8.874996185302734, 4.93013858795166, 0.0, 14.527717590332031, 0.0, 0.0, 0.0, 8.812740325927734, 0.0, 24.487600326538086, 19.25784683227539, 0.0, 0.0, 24.630210876464844, 22.421947479248047, 23.41834259033203, 14.071366310119629, 26.7708740234375, 16.590646743774414, 17.702014923095703, 13.884472846984863, 14.064027786254883, 21.78055763244629, 0.0, 17.764392852783203, 0.0, 16.241838455200195, 0.0, 11.476715087890625, 17.7607421875, 16.90379524230957, 0.0, 10.590217590332031, 1.3949881792068481, 17.650423049926758, 0.0, 0.0, 0.0, 0.0, 13.88062572479248, 7.82256555557251, 11.987920761108398, 0.0, 22.986204147338867, 24.12885284423828, 0.0, 16.7738094329834, 0.0, 25.162975311279297, 0.0, 0.0, 0.0, 0.0, 14.070804595947266, 0.0, 0.0, 23.54082489013672, 5.003532409667969, 0.0, 3.9527394771575928, 15.61407470703125, 0.0, 0.0, 0.0, 0.0, 0.0, 15.067818641662598, 0.0, 0.0, 15.7256498336792, 11.00355339050293, 18.65376091003418, 0.0, 0.0, 0.0, 0.0, 20.715890884399414, 0.0, 15.880815505981445, 0.0, 0.0, 0.0, 0.0, 18.142486572265625, 4.100314140319824, 0.0, 22.375978469848633, 1.8414244651794434, 17.756988525390625, 7.5724196434021, 10.400824546813965, 0.0, 0.0, 0.0, 5.716646194458008, 0.0, 0.0, 0.0, 0.0, 13.007479667663574, 20.680320739746094, 3.4532694816589355]

Outputs [0.36987173557281494, 13.04529857635498, 15.581297874450684, 19.89851188659668, 0.4429105520248413, 0.46209728717803955, 0.2174067497253418, 10.357067108154297, 0.26782894134521484, 14.275217056274414, 17.765684127807617, 20.58198356628418, 11.082367897033691, 15.279942512512207, 1.0745017528533936, 0.23600316047668457, 0.8794890642166138, 1.8249731063842773, 6.781110763549805, 25.50713539123535, 1.0645723342895508, -0.2849135398864746, 21.947324752807617, 0.2989182472229004, 12.552326202392578, 13.444944381713867, 0.4996786117553711, 0.06124377250671387, 16.735750198364258, 17.305391311645508, 9.75700569152832, 26.58597183227539, 0.0025284290313720703, 12.848843574523926, 0.21334052085876465, -0.2352900505065918, 0.33936095237731934, 18.380050659179688, 0.6838605403900146, 10.952248573303223, 1.923542857170105, 12.134137153625488, 0.379256010055542, 14.530362129211426, 22.348928451538086, 23.046316146850586, 0.4639817476272583, 5.514366149902344, 0.5708708763122559, 5.9269609451293945, 0.24463462829589844, 0.20862507820129395, 23.451461791992188, -0.1992788314819336, 0.09847068786621094, 0.4773155450820923, 16.549306869506836, 0.34675514698028564, -0.0355072021484375, 1.092729091644287, 0.03165030479431152, 0.1777782440185547, 0.258333683013916, 12.6998291015625, 0.23799967765808105, 0.32044553756713867, 1.5960338115692139, 0.6511552333831787, 0.09882652759552002, 15.978365898132324, -0.24785304069519043, 0.48670458793640137, 13.929285049438477, 22.306682586669922, 0.300076961517334, 0.2478632926940918, 10.368474006652832, 0.2174290418624878, 6.727303504943848, 0.2347249984741211, 11.274785041809082, 1.4880481958389282, 0.37685370445251465, 20.1807918548584, 13.45423412322998, 0.018680572509765625, 0.1976461410522461, 17.20131492614746, 0.16689014434814453, 0.29541540145874023, 1.9763660430908203, 5.347803115844727, 19.418811798095703, 15.12818431854248, 0.17880916595458984, -0.42272186279296875, 14.804476737976074, 0.6338702440261841, 18.563791275024414, 0.9206367135047913, 18.277332305908203, 25.09423828125, 10.315567970275879, 0.6126527786254883, 12.479513168334961, 19.597942352294922, 10.80374526977539, 17.046451568603516, 31.431764602661133, 1.2708293199539185, 22.328899383544922, 22.47374153137207, 1.9737156629562378, 0.4477877616882324, 0.4460245370864868, 22.865615844726562, 18.90628433227539, 0.9500527381896973, 0.9484285116195679, 12.474352836608887, 1.19752037525177, 18.751779556274414, 0.3107333183288574, 0.26987147331237793, 0.27758872509002686, 0.03895282745361328, 0.2537499666213989, 0.49821770191192627, 0.5888144969940186, 6.3357696533203125, 5.427046775817871, 16.050601959228516, 1.4907662868499756, 0.40068745613098145, 1.3893089294433594, -0.23114800453186035, 0.35199499130249023, 0.4535105228424072, 2.401981830596924, 0.043840646743774414, 0.29529309272766113, 16.96142578125, 6.3776140213012695, 0.11918878555297852, 0.3216254711151123, 1.787187933921814, 0.1591581106185913, 0.5210814476013184, 2.558627128601074, 22.84076499938965, 0.6325995922088623, -0.007480621337890625, 16.878860473632812, 0.5300357341766357, 0.4064488410949707, 2.0335192680358887, 0.5571589469909668, 0.9499640464782715, 0.49416422843933105, 2.9501099586486816, 3.1713356971740723, 15.730912208557129, 12.062457084655762, 12.855931282043457, 21.237218856811523, 1.0371575355529785, 0.2904489040374756, 4.300192832946777, 12.021485328674316, 0.7521383762359619, 24.749820709228516, 1.4671143293380737, 0.37773454189300537, 22.17616844177246, 0.616539716720581, 1.0452691316604614, 0.9500527381896973, 0.2532191276550293, 0.5667765140533447, 16.722631454467773, 0.19841790199279785, 0.8767662048339844, 0.03895282745361328, 10.234718322753906, 0.28770017623901367, 13.365139961242676, 20.181495666503906, 7.325182914733887, 18.751779556274414, 16.835758209228516, -0.0853114128112793, 17.013036727905273, 0.22991633415222168, 19.52604866027832, 6.412630081176758, 16.11768913269043, 15.026937484741211, 1.2945748567581177, 0.5466721057891846, 0.12548017501831055, 19.429889678955078, -0.6358838081359863, 17.215129852294922, 22.611417770385742, 15.980475425720215, 0.644945502281189, 0.41236066818237305, 10.165597915649414, 0.34986627101898193, -0.08284962177276611, 21.663127899169922, 8.870473861694336, 12.807890892028809, 3.7947146892547607, 15.790631294250488, 0.5200554132461548, 3.654555082321167, 0.2610156536102295, 8.415691375732422, 1.0188173055648804, 0.24258112907409668, 0.07032227516174316, 0.4003927707672119, 0.48229265213012695, 5.060215473175049, 16.822898864746094, 23.545286178588867, 0.8628052473068237, 25.268274307250977, 10.519792556762695, 0.463509202003479, 1.6542013883590698, 0.09153473377227783, 0.1636958122253418, 20.957216262817383, 9.910140037536621, 5.840153694152832, 20.686378479003906, 0.9341925978660583, 0.06494450569152832, 0.3839467763900757, 2.954906940460205, 19.83647918701172, 17.117874145507812, 7.946394920349121, 0.33124709129333496, 0.42887306213378906, 0.25951242446899414, -0.2194364070892334, 21.66775131225586, 1.335450291633606, 4.310136795043945, 0.4363882541656494, 0.15188848972320557, 20.678955078125, 0.426180362701416, 0.15473008155822754, 1.3986526727676392, -0.3614668846130371, 0.5532040596008301, 1.021040678024292, 14.471851348876953, 0.10428547859191895, 18.411537170410156, 11.88078784942627, 18.34657859802246, 0.21451306343078613, 0.9206367135047913, 16.569021224975586, 0.3919275999069214, 19.991567611694336, 0.8998786211013794, 0.06289410591125488, 1.6062525510787964, 18.71266746520996, -0.08174324035644531, 0.4787173271179199, 5.899370193481445, 0.41236066818237305, 9.605131149291992, 1.04349684715271, 1.8444420099258423, 0.10018587112426758, 18.940481185913086, 24.559675216674805, 20.369970321655273, -0.10520291328430176, 0.3102562427520752, 16.981714248657227, 10.281425476074219, 0.3713204860687256, 19.238582611083984, 0.03032243251800537, 0.6072733402252197, -0.4901878833770752, 0.5950324535369873, 6.190500259399414, 3.475221872329712, 0.24396181106567383, 0.13514173030853271, 0.09136509895324707, 0.3201700448989868, 0.5165753364562988, 16.8842716217041, 0.2250967025756836, 0.6248716115951538, 5.842546463012695, 6.664388656616211, 23.851167678833008, 17.786874771118164, 0.6482410430908203, 1.3511685132980347, 21.3830623626709, 19.03026008605957, 20.251365661621094, 0.7485529184341431, 0.28006458282470703, 0.4448204040527344, 17.017671585083008, 13.238653182983398, 0.26468026638031006, 0.10770797729492188, 0.45683062076568604, 4.216862678527832, 0.2100670337677002, 22.356491088867188, 0.02322399616241455, 22.590707778930664, 0.2703862190246582, 0.6278766393661499, 0.32677388191223145, 1.8623969554901123, 1.1470568180084229, 14.28235149383545, 0.02225339412689209, 6.567204475402832, 1.6799726486206055, 2.589134454727173, 1.223383903503418, 13.568504333496094, -0.5417139530181885, 0.5582466125488281, 15.564587593078613, 18.134803771972656, 1.7318528890609741, 0.6145715713500977, 0.18927407264709473, 4.451658248901367, 15.361578941345215, -0.5117740631103516, 27.72313117980957, 1.5247505903244019, 9.360982894897461, 0.9516161680221558, 0.24304437637329102, 0.5698831081390381, 0.34201884269714355, 0.20754289627075195, 1.876886248588562, 0.23634850978851318, 1.3384075164794922, 1.2601820230484009, 0.9691847562789917, 0.03658151626586914, 8.835164070129395, 15.508008003234863, 4.3741912841796875, 19.35321807861328, 0.3574492931365967, 20.167261123657227, 0.4460299015045166, 0.036580801010131836, 24.503828048706055, 0.5075736045837402, 0.32029271125793457, 23.467458724975586, 0.3268014192581177, 0.44617795944213867, -0.2309880256652832, 0.4429105520248413, 3.307466983795166, -0.017726898193359375, 15.172815322875977, 18.282501220703125, 3.731677770614624, 0.5838582515716553, 0.9607647657394409, 0.37773454189300537, 2.9868764877319336, 10.767682075500488, 9.000144958496094, 15.687227249145508, 0.6773487329483032, 0.6278766393661499, 0.18855583667755127, 8.187363624572754, 0.4145219326019287, 0.24304437637329102, 0.46998023986816406, 5.367378234863281, 1.078970193862915, 0.7521383762359619, 7.292658805847168, 0.13031470775604248, 0.12218928337097168, 23.471128463745117, 12.943634986877441, 0.19980907440185547, 2.3525824546813965, 6.823720932006836, 3.1615891456604004, 8.345080375671387, 5.514366149902344, 0.20343399047851562, 0.04968547821044922, 1.4892387390136719, 22.57563018798828, 23.900650024414062, 2.6465208530426025, -0.318220853805542, 5.367378234863281, 21.632139205932617, 0.04718327522277832, 0.4083430767059326, 9.032299041748047, 0.14249539375305176, 0.2589510679244995, 0.7637157440185547, 0.1006314754486084, 13.476143836975098, 22.734899520874023, 20.040658950805664, 0.0604710578918457, 21.234758377075195, 1.7355070114135742, 1.173259973526001, 14.383076667785645, 24.77900505065918, 18.065418243408203, 0.4935554265975952, 4.430767059326172, 16.816051483154297, 2.2652230262756348, 0.3591299057006836, 0.9499640464782715, 4.216891288757324, 0.451990008354187, 0.27156615257263184, 13.105238914489746, 0.5406069755554199, 0.2366020679473877, 1.0413193702697754, 5.326040267944336, 0.4207441806793213, 0.2042555809020996, 0.44003379344940186, 27.00865936279297, 12.379154205322266, 23.480085372924805, 21.00769805908203, 0.7078914642333984, 23.028459548950195, 19.599828720092773, -0.1067819595336914, 9.102550506591797, 17.14502716064453, 14.249884605407715, 20.55915641784668, 2.089667320251465, 3.7679176330566406, 19.51629638671875, 22.218835830688477, 0.5132088661193848, 15.554033279418945, 5.46018123626709, 8.604698181152344, 0.9322823882102966, 4.367026329040527, 0.9713647365570068, 18.11005401611328, 0.05481386184692383, 16.148283004760742, -0.14333271980285645, 1.114891767501831, 15.790631294250488, 0.7053766250610352, 9.620284080505371, 0.6854631900787354, 1.1931571960449219, 0.42106926441192627, 0.2900376319885254, 0.5334775447845459, 0.6244518756866455, 0.04468393325805664, 4.3690996170043945, 14.516378402709961, 14.641106605529785, -0.7008118629455566, 0.21085107326507568, 0.27747678756713867, 22.633960723876953, 11.365961074829102, 5.941422462463379, 3.326287269592285, 23.806568145751953, 3.7276883125305176, 4.922563076019287, 6.4836626052856445, 1.3257044553756714, 0.27018189430236816, 18.319374084472656, 1.3511685132980347, -0.028573989868164062, 12.973265647888184, 0.9113181829452515, 0.40482521057128906, 5.326480865478516, 0.3389754295349121, 27.113758087158203, 9.52994155883789, 14.325742721557617, 1.9807872772216797, 0.7910381555557251, 11.566723823547363, 0.6079974174499512, 0.5001240968704224, 21.926029205322266, 0.08551716804504395, 13.659743309020996, 14.323269844055176, 12.552326202392578, 27.72313117980957, 0.15623652935028076, 0.2713397741317749, 22.356491088867188, 5.606544494628906, 1.497746229171753, 22.114185333251953, 6.017827033996582, -0.0371326208114624, 22.474456787109375, 2.3557538986206055, 0.4761923551559448, 0.4869440793991089, 0.12480545043945312, 5.348167896270752, 23.471128463745117, -0.2473142147064209, 0.7647027969360352, 22.968833923339844, 6.0996294021606445, 0.28621792793273926, -0.4620015621185303, 13.305595397949219, 3.8738677501678467, 0.45110034942626953, 0.7862799167633057, 0.46753907203674316, 18.545482635498047, 0.6126527786254883, 7.434475898742676, 5.31923770904541, 1.9865227937698364, 0.5937855243682861, 6.322547912597656, 0.3926185369491577, 1.8307018280029297, 12.058520317077637, 0.44634127616882324, 0.19804060459136963, 0.30187153816223145, 17.170093536376953, 0.7592188119888306, 20.3075008392334, 18.654296875, 0.7554507255554199, 0.19571876525878906, 24.37808609008789, 24.167877197265625, 17.862043380737305, 0.2086477279663086, 0.40382838249206543, 1.0452691316604614, 0.5556458234786987, 23.79460334777832, 11.093121528625488, 0.8469818830490112, 1.4907662868499756, 2.8967676162719727, 11.991300582885742, 16.99588966369629, 1.181563377380371, 20.11294937133789, 0.3508424758911133, 17.86166000366211, 6.911309242248535, -0.6248276233673096, 26.627233505249023, 26.02942657470703, 0.08871674537658691, -1.0448167324066162, 0.5348806381225586, 0.32459521293640137, 16.74366569519043, -0.017144203186035156, 4.038180351257324, -0.01195824146270752, 0.5135775804519653, 22.74209976196289, 0.3154761791229248, 0.13338744640350342, 0.33466100692749023, 0.3638479709625244, 0.5959153175354004, 0.4111189842224121, 1.3565409183502197, 12.139195442199707, 12.748703002929688, 0.1933445930480957, 7.431520462036133, 0.16968917846679688, 1.0595872402191162, 0.8804978132247925, -0.1854238510131836, 19.976224899291992, 22.935195922851562, 17.875, 22.78019905090332, 15.72481918334961, 0.38982582092285156, -0.11857497692108154, 0.6381999254226685, 0.36839544773101807, 0.10327672958374023, 0.31969499588012695, 0.5581299066543579, 0.37191545963287354, 12.400869369506836, 14.864925384521484, 9.34584903717041, 0.2135632038116455, 23.260061264038086, 0.5455765724182129, 0.5082848072052002, 21.31914520263672, 0.32956719398498535, 16.418901443481445, 6.659158706665039, 15.496026992797852, 0.42228174209594727, 1.19752037525177, 24.503828048706055, 0.3758583068847656, 0.2277522087097168, 8.319701194763184, 0.047734618186950684, 24.12515640258789, 6.483119010925293, 0.32459521293640137, 12.317082405090332, 20.175479888916016, 0.451990008354187, 18.56643295288086, 14.96773624420166, 22.774707794189453, 0.3486950397491455, 0.06494450569152832, 17.973356246948242, 1.114891767501831, 12.12242603302002, 2.383388042449951, 19.59156036376953, 17.305391311645508, 0.425919771194458, 0.6539807319641113, 14.688898086547852, 9.645594596862793, 1.379804253578186, 0.12781500816345215, 2.6465208530426025, 2.257251262664795, 3.5978240966796875, 16.77405548095703, 0.19074153900146484, 20.054536819458008, 25.190654754638672, 12.329422950744629, 0.22176909446716309, 0.07398128509521484, 19.36591148376465, 0.2653958797454834, 0.3758583068847656, 0.3356895446777344, 17.45453643798828, 13.147132873535156, -0.29955530166625977, 17.79161834716797, 7.629981994628906, 18.11005401611328, 0.49858856201171875, 5.444030284881592, 0.4164522886276245, 17.458621978759766, 1.547029972076416, 10.604411125183105, 16.228652954101562, 15.665046691894531, 14.836577415466309, 3.1503052711486816, 9.473658561706543, 0.28610873222351074, 2.5603458881378174, 15.234270095825195, 20.25081443786621, 12.667847633361816, 23.213359832763672, 9.10661506652832, 0.3783416748046875, 7.530464172363281, -0.2926032543182373, 7.4405517578125, 18.156715393066406, 0.39520740509033203, 20.584115982055664, 1.3222825527191162, 26.267375946044922, 10.41869831085205, 0.5279717445373535, 1.1081331968307495, 3.8085169792175293, 0.26016438007354736, 9.000144958496094, 14.530362129211426, 0.3574492931365967, 1.6915420293807983, 0.49105119705200195, 17.402019500732422, 0.2677602767944336, 19.95397186279297, 23.2398681640625, 0.5195630788803101, 0.1918114423751831, -0.371537446975708, 1.2139661312103271, 20.166288375854492, 11.493380546569824, 19.566524505615234, 0.39520740509033203, 0.15896117687225342, 17.263797760009766, 0.47211718559265137, 1.278524398803711, 23.62417984008789, 21.482755661010742, 21.77193260192871, 0.3568340539932251, 7.115139007568359, 23.149850845336914, 0.1054542064666748, 14.688433647155762, -0.1372361183166504, 15.518972396850586, 0.3975203037261963, 0.6854631900787354, 0.492138147354126, 5.5884809494018555, 2.133363723754883, 0.2847663164138794, 9.96960735321045, 12.173396110534668, 20.275850296020508, 7.542470932006836, 14.360503196716309, 0.3609161376953125, 0.46182823181152344, 0.17456603050231934, -0.6358838081359863, 2.3595974445343018, 2.66225266456604, -0.07267880439758301, 8.914034843444824, 0.12536859512329102, 0.3724546432495117, 18.039100646972656, 0.21436142921447754, 21.21804428100586, 15.39346981048584, 20.82366180419922, 0.3056114912033081, 0.2674788236618042, 20.250553131103516, 12.6998291015625, 23.262256622314453, 1.2065999507904053, 0.3801504373550415, 0.18574118614196777, 10.47778606414795, -0.08591151237487793, 26.58597183227539, 0.4896043539047241, 11.82214641571045, 10.073311805725098, 16.114099502563477, 0.2060161828994751, 12.695971488952637, 3.002124309539795, 2.257251262664795, 0.2905848026275635, 19.862747192382812, 0.16102337837219238, 0.36151957511901855, 15.793442726135254, 13.45423412322998, 0.4955791234970093, 0.5774968862533569, 21.242692947387695, 20.0802001953125, 15.983397483825684, 0.22622084617614746, 18.53305435180664, 5.040005683898926, 0.08176994323730469, 13.307994842529297, 0.8538391590118408, 9.529767036437988, 0.25577712059020996, 25.559497833251953, 0.05682849884033203, 16.722631454467773, 0.5157289505004883, 0.13316845893859863, 0.5086537599563599, 21.422344207763672, 12.986854553222656, 19.02586555480957, 18.84891700744629, 21.969587326049805, 18.319374084472656, 11.918105125427246, 0.5698831081390381, 0.26468026638031006, 23.65033531188965, 6.705116271972656, 0.4869440793991089, 0.8836089372634888, 14.002506256103516, 18.573068618774414, -0.3705790042877197, 0.5063941478729248, 11.072871208190918, -0.2546999454498291, 0.7375786304473877, 27.51238441467285, 0.4015401601791382, 12.185324668884277, 0.2947695255279541, 5.31923770904541, 20.461679458618164, 0.4145219326019287, 3.4433369636535645, 2.226005792617798, 0.2301778793334961, 0.18869316577911377, 17.464641571044922, 0.45950233936309814, 6.564910888671875, -0.04566848278045654, 0.1870429515838623, 12.310471534729004, 25.606542587280273, 0.5508919954299927, 24.585786819458008, 18.56643295288086, 20.545856475830078, 9.473658561706543, 12.791492462158203, 23.590959548950195, 8.833861351013184, 0.2339843511581421, 11.537506103515625, 0.4542635679244995, 16.11945152282715, 13.686553001403809, 19.22124481201172, 21.824604034423828, 18.676494598388672, 0.24075603485107422, 11.991300582885742, 26.105972290039062, 21.03948974609375, 0.08349287509918213, 17.76178550720215, 0.38794827461242676, 0.10394728183746338, 0.8431917428970337, 18.512863159179688, -0.11221182346343994, 23.73237419128418, 0.2697327136993408, 15.36188793182373, 0.3228187561035156, -0.5097911357879639, 22.358083724975586, 0.3229638338088989, 21.013835906982422, 19.10548973083496, 1.084699034690857, 0.5338956117630005, 23.412832260131836, 0.20281624794006348, 4.365145683288574, 0.7490020990371704, 5.194038391113281, 14.243826866149902, 2.448211669921875, 0.4164522886276245, 0.31479930877685547, 16.047876358032227, 18.70033073425293, 0.36428141593933105, 0.2676658630371094, 22.260902404785156, 0.19515395164489746, 9.317946434020996, 2.483649492263794, 0.47954273223876953, 0.8407821655273438, 4.896237373352051, 0.5504505634307861, 0.12962734699249268, 11.444474220275879, 12.793716430664062, 20.689550399780273, 0.4402596950531006, 0.19288325309753418, 24.79378890991211, 0.001210927963256836, 6.140292167663574, 19.233596801757812, -0.08465802669525146, 26.391813278198242, 0.21211838722229004, -0.36626458168029785, 26.296873092651367, 21.15266990661621, 0.22209978103637695, 0.1245265007019043, 12.750893592834473, 23.786083221435547, 8.621489524841309, 2.359619140625, 0.22641229629516602, 0.26110637187957764, 17.369077682495117, 1.1931571960449219, 25.09423828125, 0.01579594612121582, 0.1644989252090454, 6.3776140213012695, 0.7676694393157959, 25.027143478393555, 0.09743165969848633, 6.4824066162109375, 0.3587155342102051, -0.21221160888671875, 20.4543514251709, 0.4207441806793213, 0.7758834362030029, 18.031795501708984, -0.10307145118713379, 8.730020523071289, 21.924360275268555, 0.5406069755554199, 0.2058706283569336, 0.3270232677459717, 17.481168746948242, 17.300561904907227, 6.343949317932129, 0.6444013118743896, 0.4384889602661133, 23.418413162231445, 19.149105072021484, 1.6736080646514893, 5.23343563079834, 4.0206618309021, 0.025798797607421875, 5.707995414733887, 8.132019996643066, 2.1194450855255127, 16.98177719116211, 16.946428298950195, 24.106403350830078, 0.25109660625457764, 18.0998592376709, 19.828197479248047, -0.06410431861877441, 1.8623969554901123, 0.9271215200424194, 0.5075569152832031, 0.29483985900878906, 22.14714813232422, 17.452302932739258, 16.034561157226562, 0.31502866744995117, 6.287759780883789, 0.4944700002670288, 13.711538314819336, 0.6248716115951538, 23.290817260742188, 23.382137298583984, 8.622427940368652, 0.44634127616882324, 13.536337852478027, 17.875, 0.5299601554870605, 0.5689606666564941, 22.159900665283203, 0.22565162181854248, -0.1952972412109375, 0.10268998146057129, 0.3352229595184326, 0.32990753650665283, 18.10338592529297, 3.0616369247436523, 13.978339195251465, 17.146482467651367, 4.962759017944336, 15.388071060180664, 6.384897232055664, 3.7118401527404785, 17.91606903076172, 0.38777005672454834, 14.18997573852539, 0.11636912822723389, 0.49858856201171875, 0.3216254711151123, 23.274024963378906, 1.162527084350586, 13.238653182983398, 1.9008064270019531, 9.651525497436523, 0.12796330451965332, 0.7001867294311523, 0.3638479709625244, 12.274297714233398, -0.16930341720581055, 21.15266990661621, 0.5959153175354004, 2.3525824546813965, 17.862043380737305, 1.2568535804748535, 1.9438366889953613, 4.09110164642334, 20.058305740356445, -0.1129140853881836, 0.5716159343719482, 1.575461983680725, 0.9500924944877625, 23.63589859008789, 0.5724482536315918, 0.2100670337677002, 5.666948318481445, 0.7118264436721802, 15.908319473266602, 1.3925838470458984, 2.896162986755371, 0.5423308610916138, 0.22500824928283691, 13.652885437011719, 1.2185955047607422, 19.732757568359375, 0.11515605449676514, 0.7103956937789917, 0.00725865364074707, 0.591916561126709, 0.4223291873931885, 23.300540924072266, 0.2044227123260498, 1.6542013883590698, 0.648309588432312, 0.4783746004104614, 10.234718322753906, 4.558960914611816, 15.052592277526855, 0.47762584686279297, -0.3221704959869385, 22.606788635253906, 8.935371398925781, 11.282169342041016, 17.575050354003906, 1.768013834953308, 2.2725589275360107, 15.050164222717285, 0.17365813255310059, 14.321537017822266, 9.718174934387207, 6.384897232055664, 0.5400245189666748, 0.3373560905456543, 7.412527084350586, 0.24329650402069092, 0.1573636531829834, 22.3031063079834, 24.507474899291992, 25.61319923400879, 0.20574474334716797, 0.44979405403137207, -0.46015477180480957, 25.207977294921875, 16.099924087524414, -0.1067819595336914, 6.343949317932129, 1.084699034690857, 27.15191078186035, 1.6529698371887207, 0.5405800342559814, 0.3176039457321167, -0.2309880256652832, 2.011962652206421, 13.145480155944824, 0.19044232368469238, 1.3222825527191162, 27.15191078186035, 20.868711471557617, 0.6820698976516724, 0.3516782522201538, 2.8659214973449707, 17.67562484741211, 0.7286902666091919, 15.052592277526855, 0.05591249465942383, -0.2832925319671631, -0.08174324035644531, 5.540079116821289, 2.313450813293457, 9.000144958496094, 7.332426071166992, 0.018680572509765625, 15.028497695922852, 0.3239009380340576, 0.2926253080368042, 0.8837541341781616, 11.395318984985352, 2.503756523132324, 20.23929786682129, 16.878860473632812, 0.2156897783279419, 0.263144850730896, 21.768095016479492, 22.86074447631836, 18.99429702758789, 11.835746765136719, 26.71253204345703, 12.943634986877441, 13.345808982849121, 11.537506103515625, 13.88610553741455, 22.0181884765625, 0.36805570125579834, 19.341453552246094, 0.5577811002731323, 10.375724792480469, 0.1591581106185913, 12.480595588684082, 20.521512985229492, 17.36659812927246, 0.9538977146148682, 4.087801933288574, 1.2065999507904053, 19.418811798095703, -0.17724394798278809, 0.03896677494049072, 0.17751586437225342, -0.2309880256652832, 22.14714813232422, 5.341972351074219, 13.675413131713867, 0.24708080291748047, 21.675500869750977, 23.331466674804688, 0.1745901107788086, 15.487100601196289, 2.098703622817993, 23.49517822265625, 0.44793927669525146, 0.3557697534561157, 0.6154866218566895, 0.14725077152252197, 10.544482231140137, 0.6582098007202148, 0.2934991121292114, 22.011262893676758, 7.750246047973633, 0.5429956912994385, 6.727303504943848, 18.19130516052246, 0.43025875091552734, 0.2311077117919922, 0.02149522304534912, 0.4452474117279053, 1.0010628700256348, 11.602550506591797, 0.06095695495605469, 4.119503021240234, 16.70863151550293, 11.642644882202148, 19.044147491455078, 0.18574118614196777, 0.895244836807251, 0.3230018615722656, 0.38777005672454834, 21.06650161743164, 0.08657550811767578, 18.287534713745117, 0.9516161680221558, 0.5609557628631592, 0.45071983337402344, 0.5667765140533447, 19.041715621948242, 3.8834078311920166, 1.8444420099258423, 21.969587326049805, 0.38668620586395264, 19.262487411499023, 1.4995604753494263, 11.102265357971191, 0.1378638744354248, 0.4297668933868408, 0.2608177661895752, 3.6534976959228516, 0.5834009647369385, 0.380832314491272, 0.3391910791397095, 0.5928173065185547, 10.889640808105469, 20.748722076416016, 7.233402252197266]

# May

Epoch #: 1

Epoch: 1 Training Loss: 57.578021 Validation Loss: 43.086768

Validation loss decreased (inf --> 43.086768). Saving model ...

Time: 297.60492396354675

Current Time = 09:43:06

LR: 0.001

Epoch #: 2

Epoch: 2 Training Loss: 43.621543 Validation Loss: 37.196852

Validation loss decreased (43.086768 --> 37.196852). Saving model ...

Time: 274.28482151031494

Current Time = 09:47:40

LR: 0.001

Epoch #: 3

Epoch: 3 Training Loss: 38.783091 Validation Loss: 34.439563

Validation loss decreased (37.196852 --> 34.439563). Saving model ...

Time: 270.2653503417969

Current Time = 09:52:10

LR: 0.001

Epoch #: 4

Epoch: 4 Training Loss: 34.482625 Validation Loss: 29.806497

Validation loss decreased (34.439563 --> 29.806497). Saving model ...

Time: 282.0059747695923

Current Time = 09:56:52

LR: 0.001

Epoch #: 5

Epoch: 5 Training Loss: 31.819241 Validation Loss: 26.464197

Validation loss decreased (29.806497 --> 26.464197). Saving model ...

Time: 278.66486048698425

Current Time = 10:01:31

LR: 0.001

Epoch #: 6

Epoch: 6 Training Loss: 28.762767 Validation Loss: 30.033543

Time: 272.5075988769531

Current Time = 10:06:04

LR: 0.001

Epoch #: 7

Epoch: 7 Training Loss: 26.680319 Validation Loss: 21.568771

Validation loss decreased (26.464197 --> 21.568771). Saving model ...

Time: 272.84027910232544

Current Time = 10:10:37

LR: 0.001

Epoch #: 8

Epoch: 8 Training Loss: 26.069957 Validation Loss: 22.770276

Time: 252.26066327095032

Current Time = 10:14:49

LR: 0.001

Epoch #: 9

Epoch: 9 Training Loss: 24.592023 Validation Loss: 22.988455

Time: 242.4963002204895

Current Time = 10:18:51

LR: 0.001

Epoch #: 10

Epoch: 10 Training Loss: 22.973900 Validation Loss: 19.240848

Validation loss decreased (21.568771 --> 19.240848). Saving model ...

Time: 237.13778829574585

Current Time = 10:22:48

LR: 0.001

Epoch #: 11

Epoch: 11 Training Loss: 21.633149 Validation Loss: 19.958946

Time: 241.21776056289673

Current Time = 10:26:50

LR: 0.001

Epoch #: 12

Epoch: 12 Training Loss: 21.162770 Validation Loss: 17.236734

Validation loss decreased (19.240848 --> 17.236734). Saving model ...

Time: 236.8621368408203

Current Time = 10:30:47

LR: 0.001

Epoch #: 13

Epoch: 13 Training Loss: 19.973648 Validation Loss: 15.694665

Validation loss decreased (17.236734 --> 15.694665). Saving model ...

Time: 241.05784678459167

Current Time = 10:34:48

LR: 0.001

Epoch #: 14

Epoch: 14 Training Loss: 19.469246 Validation Loss: 15.992709

Time: 248.10515141487122

Current Time = 10:38:56

LR: 0.001

Epoch #: 15

Epoch: 15 Training Loss: 19.240938 Validation Loss: 14.716320

Validation loss decreased (15.694665 --> 14.716320). Saving model ...

Time: 268.1039140224457

Current Time = 10:43:24

LR: 0.001

Epoch #: 16

Epoch: 16 Training Loss: 17.922780 Validation Loss: 15.798008

Time: 244.36966800689697

Current Time = 10:47:28

LR: 0.001

Epoch #: 17

Epoch: 17 Training Loss: 17.444035 Validation Loss: 16.238076

Time: 248.1806342601776

Current Time = 10:51:36

LR: 0.001

Epoch #: 18

Epoch: 18 Training Loss: 18.137343 Validation Loss: 17.323879

Time: 241.76552534103394

Current Time = 10:55:38

LR: 0.001

Epoch #: 19

Epoch: 19 Training Loss: 16.977895 Validation Loss: 14.845627

Time: 246.0486171245575

Current Time = 10:59:44

LR: 0.001

Epoch #: 20

Epoch: 20 Training Loss: 17.276416 Validation Loss: 20.347051

Time: 238.98505425453186

Current Time = 11:03:43

LR: 0.001

Epoch #: 21

Epoch: 21 Training Loss: 16.248395 Validation Loss: 15.662689

Time: 240.93735909461975

Current Time = 11:07:44

LR: 0.001

Epoch #: 22

Epoch: 22 Training Loss: 15.556769 Validation Loss: 15.220550

Time: 241.85181045532227

Current Time = 11:11:46

LR: 0.001

Epoch #: 23

Epoch: 23 Training Loss: 15.760548 Validation Loss: 14.533734

Validation loss decreased (14.716320 --> 14.533734). Saving model ...

Time: 254.8474371433258

Current Time = 11:16:01

LR: 0.001

Epoch #: 24

Epoch: 24 Training Loss: 15.894069 Validation Loss: 16.256364

Time: 267.48169231414795

Current Time = 11:20:28

LR: 0.001

Epoch #: 25

Epoch: 25 Training Loss: 15.519304 Validation Loss: 14.513171

Validation loss decreased (14.533734 --> 14.513171). Saving model ...

Time: 254.77771711349487

Current Time = 11:24:43

LR: 0.001

Epoch #: 26

Epoch: 26 Training Loss: 15.315266 Validation Loss: 14.339928

Validation loss decreased (14.513171 --> 14.339928). Saving model ...

Time: 247.23203945159912

Current Time = 11:28:50

LR: 0.001

Epoch #: 27

Epoch: 27 Training Loss: 14.489409 Validation Loss: 12.911610

Validation loss decreased (14.339928 --> 12.911610). Saving model ...

Time: 242.73591709136963

Current Time = 11:32:53

LR: 0.001

Epoch #: 28

Epoch: 28 Training Loss: 14.750937 Validation Loss: 13.128927

Time: 241.8408179283142

Current Time = 11:36:55

LR: 0.001

Epoch #: 29

Epoch: 29 Training Loss: 14.672208 Validation Loss: 12.757743

Validation loss decreased (12.911610 --> 12.757743). Saving model ...

Time: 246.53328561782837

Current Time = 11:41:01

LR: 0.001

Epoch #: 30

Epoch: 30 Training Loss: 14.464465 Validation Loss: 13.855973

Time: 283.92278385162354

Current Time = 11:45:45

LR: 0.001

Epoch #: 31

Epoch: 31 Training Loss: 13.885851 Validation Loss: 12.856535

Time: 298.1955533027649

Current Time = 11:50:44

LR: 0.001

Epoch #: 32

Epoch: 32 Training Loss: 13.466569 Validation Loss: 13.374486

Time: 295.2085237503052

Current Time = 11:55:39

LR: 0.001

Epoch #: 33

Epoch: 33 Training Loss: 14.190616 Validation Loss: 12.711873

Validation loss decreased (12.757743 --> 12.711873). Saving model ...

Time: 261.0592432022095

Current Time = 12:00:00

LR: 0.001

Epoch #: 34

Epoch: 34 Training Loss: 13.291172 Validation Loss: 14.688424

Time: 278.2409760951996

Current Time = 12:04:38

LR: 0.001

Epoch #: 35

Epoch: 35 Training Loss: 13.277162 Validation Loss: 12.337280

Validation loss decreased (12.711873 --> 12.337280). Saving model ...

Time: 514.4371733665466

Current Time = 12:13:13

LR: 0.001

Epoch #: 36

Epoch: 36 Training Loss: 13.721866 Validation Loss: 15.453855

Time: 322.1409640312195

Current Time = 12:18:35

LR: 0.001

Epoch #: 37

Epoch: 37 Training Loss: 12.725495 Validation Loss: 15.123802

Time: 259.5215542316437

Current Time = 12:22:54

LR: 0.001

Epoch #: 38

Epoch: 38 Training Loss: 12.667402 Validation Loss: 11.494074

Validation loss decreased (12.337280 --> 11.494074). Saving model ...

Time: 255.90270853042603

Current Time = 12:27:10

LR: 0.001

Epoch #: 39

Epoch: 39 Training Loss: 12.467317 Validation Loss: 11.371821

Validation loss decreased (11.494074 --> 11.371821). Saving model ...

Time: 267.26494789123535

Current Time = 12:31:37

LR: 0.001

Epoch #: 40

Epoch: 40 Training Loss: 12.663125 Validation Loss: 11.176786

Validation loss decreased (11.371821 --> 11.176786). Saving model ...

Time: 262.4886567592621

Current Time = 12:36:00

LR: 0.001

Epoch #: 41

Epoch: 41 Training Loss: 12.417978 Validation Loss: 11.208468

Time: 267.32388949394226

Current Time = 12:40:27

LR: 0.0009699999999999999

Epoch #: 42

Epoch: 42 Training Loss: 12.130153 Validation Loss: 14.480733

Time: 264.2812280654907

Current Time = 12:44:52

LR: 0.0009408999999999999

Epoch #: 43

Epoch: 43 Training Loss: 11.562972 Validation Loss: 11.854612

Time: 269.5401141643524

Current Time = 12:49:21

LR: 0.0009126729999999999

Epoch #: 44

Epoch: 44 Training Loss: 12.061155 Validation Loss: 11.079052

Validation loss decreased (11.176786 --> 11.079052). Saving model ...

Time: 266.3998534679413

Current Time = 12:53:47

LR: 0.0008852928099999999

Epoch #: 45

Epoch: 45 Training Loss: 11.142716 Validation Loss: 11.182212

Time: 275.3012351989746

Current Time = 12:58:23

LR: 0.0008587340256999998

Epoch #: 46

Epoch: 46 Training Loss: 11.284348 Validation Loss: 10.918399

Validation loss decreased (11.079052 --> 10.918399). Saving model ...

Time: 278.2151873111725

Current Time = 13:03:01

LR: 0.0008329720049289999

Epoch #: 47

Epoch: 47 Training Loss: 10.667911 Validation Loss: 11.572184

Time: 279.37523651123047

Current Time = 13:07:40

LR: 0.0008079828447811299

Epoch #: 48

Epoch: 48 Training Loss: 10.943808 Validation Loss: 11.341196

Time: 277.1749179363251

Current Time = 13:12:18

LR: 0.0007837433594376959

Epoch #: 49

Epoch: 49 Training Loss: 10.769741 Validation Loss: 10.703825

Validation loss decreased (10.918399 --> 10.703825). Saving model ...

Time: 277.0112352371216

Current Time = 13:16:55

LR: 0.000760231058654565

Epoch #: 50

Epoch: 50 Training Loss: 10.364975 Validation Loss: 10.547941

Validation loss decreased (10.703825 --> 10.547941). Saving model ...

Time: 273.91697001457214

Current Time = 13:21:29

LR: 0.000737424126894928

Epoch #: 51

Epoch: 51 Training Loss: 9.897948 Validation Loss: 12.832673

Time: 273.09570145606995

Current Time = 13:26:02

LR: 0.0007153014030880802

Epoch #: 52

Epoch: 52 Training Loss: 10.504422 Validation Loss: 12.502892

Time: 271.5779676437378

Current Time = 13:30:33

LR: 0.0006938423609954377

Epoch #: 53

Epoch: 53 Training Loss: 9.962684 Validation Loss: 10.707009

Time: 271.356050491333

Current Time = 13:35:05

LR: 0.0006730270901655745

Epoch #: 54

Epoch: 54 Training Loss: 9.989622 Validation Loss: 9.926176

Validation loss decreased (10.547941 --> 9.926176). Saving model ...

Time: 274.70809412002563

Current Time = 13:39:39

LR: 0.0006528362774606073

Epoch #: 55

Epoch: 55 Training Loss: 9.835168 Validation Loss: 11.185561

Time: 287.5164337158203

Current Time = 13:44:27

LR: 0.0006332511891367891

Epoch #: 56

Epoch: 56 Training Loss: 9.358956 Validation Loss: 9.728898

Validation loss decreased (9.926176 --> 9.728898). Saving model ...

Time: 272.20561718940735

Current Time = 13:48:59

LR: 0.0006142536534626854

Epoch #: 57

Epoch: 57 Training Loss: 9.315708 Validation Loss: 10.322263

Time: 269.44561767578125

Current Time = 13:53:28

LR: 0.0005958260438588048

Epoch #: 58

Epoch: 58 Training Loss: 9.451306 Validation Loss: 10.588625

Time: 269.9818136692047

Current Time = 13:57:58

LR: 0.0005779512625430406

Epoch #: 59

Epoch: 59 Training Loss: 9.063000 Validation Loss: 10.045474

Time: 267.67468428611755

Current Time = 14:02:26

LR: 0.0005606127246667494

Epoch #: 60

Epoch: 60 Training Loss: 9.106697 Validation Loss: 11.085593

Time: 273.3127369880676

Current Time = 14:06:59

LR: 0.0005437943429267469

Epoch #: 61

Epoch: 61 Training Loss: 8.552472 Validation Loss: 12.010798

Time: 269.3129732608795

Current Time = 14:11:29

LR: 0.0005274805126389445

Epoch #: 62

Epoch: 62 Training Loss: 8.756553 Validation Loss: 9.448828

Validation loss decreased (9.728898 --> 9.448828). Saving model ...

Time: 269.7773540019989

Current Time = 14:15:59

LR: 0.0005116560972597762

Epoch #: 63

Epoch: 63 Training Loss: 8.619130 Validation Loss: 10.877406

Time: 275.83820152282715

Current Time = 14:20:34

LR: 0.0004963064143419829

Epoch #: 64

Epoch: 64 Training Loss: 8.352397 Validation Loss: 10.394732

Time: 273.353408575058

Current Time = 14:25:08

LR: 0.00048141722191172336

Epoch #: 65

Epoch: 65 Training Loss: 8.049087 Validation Loss: 10.724839

Time: 270.33319902420044

Current Time = 14:29:38

LR: 0.00046697470525437166

Epoch #: 66

Epoch: 66 Training Loss: 8.097552 Validation Loss: 9.660378

Time: 268.04719376564026

Current Time = 14:34:06

LR: 0.0004529654640967405

Epoch #: 67

Epoch: 67 Training Loss: 8.268188 Validation Loss: 10.524913

Time: 271.1137475967407

Current Time = 14:38:37

LR: 0.0004393765001738382

Epoch #: 68

Epoch: 68 Training Loss: 8.080977 Validation Loss: 9.425966

Validation loss decreased (9.448828 --> 9.425966). Saving model ...

Time: 268.88382840156555

Current Time = 14:43:06

LR: 0.00042619520516862307

Epoch #: 69

Epoch: 69 Training Loss: 8.198517 Validation Loss: 9.685857

Time: 267.43498063087463

Current Time = 14:47:34

LR: 0.00041340934901356436

Epoch #: 70

Epoch: 70 Training Loss: 8.212570 Validation Loss: 9.753699

Time: 269.71260261535645

Current Time = 14:52:03

LR: 0.0004010070685431574

Epoch #: 71

Epoch: 71 Training Loss: 7.948337 Validation Loss: 10.072575

Time: 269.7167103290558

Current Time = 14:56:33

LR: 0.0003889768564868627

Epoch #: 72

Epoch: 72 Training Loss: 7.789335 Validation Loss: 9.691561

Time: 268.7955205440521

Current Time = 15:01:02

LR: 0.0003773075507922568

Epoch #: 73

Epoch: 73 Training Loss: 8.142053 Validation Loss: 9.413054

Validation loss decreased (9.425966 --> 9.413054). Saving model ...

Time: 255.24340057373047

Current Time = 15:05:17

LR: 0.0003659883242684891

Epoch #: 74

Epoch: 74 Training Loss: 7.642947 Validation Loss: 9.776930

Time: 263.43410634994507

Current Time = 15:09:41

LR: 0.00035500867454043444

Epoch #: 75

Epoch: 75 Training Loss: 7.506564 Validation Loss: 9.194713

Validation loss decreased (9.413054 --> 9.194713). Saving model ...

Time: 256.6657576560974

Current Time = 15:13:57

LR: 0.0003443584143042214

Epoch #: 76

Epoch: 76 Training Loss: 7.790312 Validation Loss: 9.213361

Time: 254.86837315559387

Current Time = 15:18:12

LR: 0.00033402766187509475

Epoch #: 77

Epoch: 77 Training Loss: 7.337674 Validation Loss: 9.620997

Time: 277.4663472175598

Current Time = 15:22:50

LR: 0.0003240068320188419

Epoch #: 78

Epoch: 78 Training Loss: 7.455849 Validation Loss: 10.050554

Time: 268.01233959198

Current Time = 15:27:18

LR: 0.00031428662705827666

Epoch #: 79

Epoch: 79 Training Loss: 7.137358 Validation Loss: 9.056328

Validation loss decreased (9.194713 --> 9.056328). Saving model ...

Time: 275.7036201953888

Current Time = 15:31:53

LR: 0.00030485802824652835

Epoch #: 80

Epoch: 80 Training Loss: 7.082929 Validation Loss: 9.400074

Time: 270.3899688720703

Current Time = 15:36:24

LR: 0.0002957122873991325

Operation Complete

[57.578021073200155, 43.6215431238339, 38.783090873624836, 34.48262524446412, 31.819240753090018, 28.76276712230497, 26.680319136756122, 26.06995675711512, 24.59202313859195, 22.97390009044208, 21.63314858999217, 21.16277034776543, 19.973648253032184, 19.469246374973014, 19.24093849700566, 17.922780381240415, 17.444034653481282, 18.137343447548695, 16.977895024677878, 17.276416208823434, 16.248395066500205, 15.556769036704758, 15.760547999860917, 15.894068585995274, 15.51930421157629, 15.315266365093843, 14.48940890605247, 14.750937421311946, 14.672207909544811, 14.464465300665104, 13.885851025783628, 13.466569453575659, 14.190615775653109, 13.29117173426854, 13.277162176548089, 13.721865942280388, 12.725495267137635, 12.667402309924483, 12.467317394204992, 12.6631247145069, 12.417977925761521, 12.130153321890196, 11.562971707435251, 12.06115464240489, 11.142716403572926, 11.284347525392128, 10.66791119786793, 10.943808476472064, 10.7697410430334, 10.364975101778283, 9.897947834528255, 10.50442212068197, 9.96268446246773, 9.989622309768183, 9.835168497181614, 9.358955663131088, 9.315707918532624, 9.45130649739997, 9.063000481348524, 9.106697115561133, 8.552472122587242, 8.756553353949586, 8.619130034716632, 8.352396883195699, 8.049086763088047, 8.09755219087155, 8.268188109216794, 8.080977259081841, 8.198517295099439, 8.212570272394423, 7.9483372410244995, 7.789335044957513, 8.142052665819154, 7.642946808032271, 7.5065638074135235, 7.790312120790231, 7.337674445440307, 7.455849050841027, 7.137357532548698, 7.082928513913359]

[43.086767931155556, 37.19685220664927, 34.439562568750084, 29.806496858062232, 26.464197098406977, 30.0335432307068, 21.56877138368752, 22.770276206223954, 22.988454722770125, 19.240848033952073, 19.95894551090061, 17.236734149701928, 15.694665010333596, 15.99270942980933, 14.716319512893266, 15.798008158869807, 16.238076283792743, 17.32387920879997, 14.84562672774888, 20.34705108711538, 15.662688513374114, 15.220549517281922, 14.533734038939926, 16.25636423596352, 14.51317105816485, 14.339928182117607, 12.911609568136155, 13.128927007785293, 12.757742553815714, 13.85597264512772, 12.856535119727054, 13.374485775226969, 12.711872682175828, 14.68842398732767, 12.33727995630337, 15.453855059406148, 15.123801948778297, 11.494074205312494, 11.371820728006384, 11.17678611735592, 11.20846755836042, 14.480732733759645, 11.854611834335754, 11.07905183552092, 11.18221248652903, 10.91839878788978, 11.57218361455496, 11.341195662860914, 10.703825355244325, 10.547940608765511, 12.832672608807483, 12.502892411877756, 10.707009088565416, 9.926175660349328, 11.18556115752913, 9.728897619541451, 10.322263272353887, 10.588624518013855, 10.045473646021744, 11.085592872425579, 12.010798056430346, 9.448827593716805, 10.877405584927631, 10.394732243544318, 10.724838700930635, 9.660377508789434, 10.524912753580931, 9.425965921226638, 9.685857216071655, 9.753699430168476, 10.072575011127732, 9.691560915500059, 9.413053541774172, 9.776930294496596, 9.194713234901428, 9.213361344513203, 9.620996872940406, 10.050553553374359, 9.056327603289631, 9.400073979801661]

[1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80]

[0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.0009699999999999999, 0.0009408999999999999, 0.0009126729999999999, 0.0008852928099999999, 0.0008587340256999998, 0.0008329720049289999, 0.0008079828447811299, 0.0007837433594376959, 0.000760231058654565, 0.000737424126894928, 0.0007153014030880802, 0.0006938423609954377, 0.0006730270901655745, 0.0006528362774606073, 0.0006332511891367891, 0.0006142536534626854, 0.0005958260438588048, 0.0005779512625430406, 0.0005606127246667494, 0.0005437943429267469, 0.0005274805126389445, 0.0005116560972597762, 0.0004963064143419829, 0.00048141722191172336, 0.00046697470525437166, 0.0004529654640967405, 0.0004393765001738382, 0.00042619520516862307, 0.00041340934901356436, 0.0004010070685431574, 0.0003889768564868627, 0.0003773075507922568, 0.0003659883242684891, 0.00035500867454043444, 0.0003443584143042214, 0.00033402766187509475, 0.0003240068320188419, 0.00031428662705827666, 0.00030485802824652835, 0.0002957122873991325]

test loss from 0 : 0.9563104510307312

Output of network: tensor([-0.0524, 2.9259, 0.6142, -0.0623, 4.0289, 0.9926], device='cuda:0')

Target Values: tensor([0.0000, 4.6255, 0.0000, 0.0000, 2.8123, 0.0000], device='cuda:0')

loss from this run: 0.9563104510307312

Output 2 : 2.925884246826172

Output 5 : 4.0288896560668945

Target 2 : 4.625473976135254

Target 5 : 2.8122808933258057

test loss from 1 : 7.275306701660156

Output of network: tensor([-0.0734, 20.2193, -0.8472, -0.1264, 26.8207, 0.5356], device='cuda:0')

Target Values: tensor([ 0.0000, 26.5813, 0.0000, 0.0000, 25.3541, 0.0000], device='cuda:0')

loss from this run: 7.275306701660156

Output 2 : 20.219327926635742

Output 5 : 26.820703506469727

Target 2 : 26.58131217956543

Target 5 : 25.35407829284668

test loss from 2 : 0.15431435406208038

Output of network: tensor([0.1248, 0.2222, 0.2446, 0.3066, 5.0847, 0.5684], device='cuda:0')

Target Values: tensor([0.0000, 0.0000, 0.0000, 0.0000, 5.7044, 0.0000], device='cuda:0')

test loss from 2 : 17.910934448242188

Output of network: tensor([ 0.5042, 29.2616, 0.9538, 2.9364, 0.6295, 0.4294], device='cuda:0')

Target Values: tensor([ 0.0000, 19.5074, 0.0000, 6.1888, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 17.13294219970703

Output of network: tensor([ 0.4187, -0.0438, -0.1544, 22.1691, 5.8074, 13.1529], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 20.3879, 3.4424, 22.8395], device='cuda:0')

test loss from 2 : 1.864130973815918

Output of network: tensor([-0.1010, 12.0061, 7.5993, 0.2832, 0.5690, 4.6098], device='cuda:0')

Target Values: tensor([ 0.0000, 14.2588, 5.6336, 0.0000, 0.0000, 3.2561], device='cuda:0')

test loss from 2 : 11.652567863464355

Output of network: tensor([ 1.5566, 0.3864, 0.5647, 20.2788, 31.8671, -0.2690], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 20.4172, 23.6859, 0.0000], device='cuda:0')

test loss from 2 : 0.2607029974460602

Output of network: tensor([ 0.3196, 0.4760, 18.0031, 0.3371, 0.0692, 0.2690], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 19.0252, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 16.419950485229492

Output of network: tensor([ 2.5774, 0.2007, 6.5542, 22.9366, 0.0291, 19.1770], device='cuda:0')

Target Values: tensor([ 1.9085, 0.0000, 12.5798, 28.8348, 0.0000, 24.3669], device='cuda:0')

test loss from 2 : 9.916729927062988

Output of network: tensor([ 7.0394, 9.3129, 23.9365, 1.3580, 0.7386, 0.6796], device='cuda:0')

Target Values: tensor([ 9.6977, 8.8215, 30.9515, 0.0000, 0.0000, 1.4491], device='cuda:0')

test loss from 2 : 5.481965065002441

Output of network: tensor([16.7871, 25.9558, 0.4664, -0.0486, 24.9571, 0.7241], device='cuda:0')

Target Values: tensor([21.8250, 27.5929, 0.0000, 0.0000, 27.0878, 0.4571], device='cuda:0')

test loss from 2 : 3.243892192840576

Output of network: tensor([3.6482e-02, 1.8633e-02, 1.0933e+00, 2.7412e+01, 5.8225e-01, 2.5090e-01],

device='cuda:0')

Target Values: tensor([ 0.0000, 0.5709, 0.0000, 31.6026, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 0.5948944091796875

Output of network: tensor([23.2432, -0.2075, 0.4567, 3.6104, 0.7788, 0.5410], device='cuda:0')

Target Values: tensor([24.7743, 0.0000, 0.0000, 3.3380, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 32.00054931640625

Output of network: tensor([ 3.8476, 15.4120, 18.3600, 2.8102, 0.8974, 21.2777], device='cuda:0')

Target Values: tensor([12.8330, 18.3977, 12.0847, 9.8705, 0.0000, 24.7876], device='cuda:0')

test loss from 2 : 0.46371328830718994

Output of network: tensor([10.2047, 2.2471, -0.0561, 0.4162, 0.4411, 0.2514], device='cuda:0')

Target Values: tensor([11.7303, 2.3906, 0.0000, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 1.0981643199920654

Output of network: tensor([10.0699, 0.3236, 0.3338, 12.2645, 1.7746, 4.7399], device='cuda:0')

Target Values: tensor([ 8.2779, 0.0000, 0.0000, 12.1533, 0.0000, 4.7324], device='cuda:0')

test loss from 2 : 0.33758264780044556

Output of network: tensor([17.7503, -0.0920, -0.3332, 0.9991, 1.0107, 0.2854], device='cuda:0')

Target Values: tensor([18.0639, 0.0000, 0.0000, 1.8386, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 1.5663037300109863

Output of network: tensor([8.7805e-01, 2.6474e+01, 1.8476e+00, 5.4046e-01, 1.4985e-02, 2.1741e-01],

device='cuda:0')

Target Values: tensor([ 0.0000, 26.0610, 4.6965, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 6.167442321777344

Output of network: tensor([ 0.3042, 1.3256, 18.6460, 19.8609, 0.8532, 0.1576], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 18.9589, 13.9582, 1.2894, 0.0000], device='cuda:0')

test loss from 2 : 5.89270544052124

Output of network: tensor([-0.1893, 14.1724, 3.0600, 0.2122, 1.8730, 0.6885], device='cuda:0')

Target Values: tensor([0.0000, 9.4895, 0.0000, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 16.35482406616211

Output of network: tensor([28.8419, 31.8094, 10.0833, 2.3274, 0.0319, 1.4424], device='cuda:0')

Target Values: tensor([24.3737, 36.6120, 16.9827, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 6.862517356872559

Output of network: tensor([29.5720, 5.6814, 13.4219, 27.9276, 4.7826, -0.4322], device='cuda:0')

Target Values: tensor([34.3407, 1.9734, 14.6010, 28.7893, 6.3207, 0.0000], device='cuda:0')

test loss from 2 : 4.659821510314941

Output of network: tensor([ 0.3609, 17.6120, 10.6057, 22.8468, 22.9632, 0.0516], device='cuda:0')

Target Values: tensor([ 0.0000, 19.0107, 11.4954, 27.8196, 23.5546, 0.0000], device='cuda:0')

test loss from 2 : 21.89407730102539

Output of network: tensor([ 7.6455, 27.2788, 24.8686, 23.7791, 34.0962, 2.9115], device='cuda:0')

Target Values: tensor([ 7.3560, 19.5823, 28.8870, 22.7092, 34.3731, 10.3057], device='cuda:0')

test loss from 2 : 10.559344291687012

Output of network: tensor([0.0221, 3.5945, 4.7111, 0.9148, 0.0941, 0.3096], device='cuda:0')

Target Values: tensor([ 0.0000, 11.4841, 4.3015, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 4.98046875

Output of network: tensor([ 0.0935, 0.0499, 0.1785, 24.1825, 0.1326, 27.1193], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 29.3069, 0.0000, 29.0068], device='cuda:0')

test loss from 2 : 18.466388702392578

Output of network: tensor([23.1499, 0.2417, 0.5256, 18.2851, 1.8742, 5.7572], device='cuda:0')

Target Values: tensor([33.3377, 0.0000, 0.0000, 17.2232, 1.7956, 8.1106], device='cuda:0')

test loss from 2 : 6.440454006195068

Output of network: tensor([15.8112, 16.7870, 1.8059, 0.1795, 0.0841, 13.2618], device='cuda:0')

Target Values: tensor([20.6362, 18.2975, 0.0000, 0.0000, 0.0000, 16.3890], device='cuda:0')

test loss from 2 : 17.138992309570312

Output of network: tensor([ 0.7367, 21.5391, 22.4574, 19.0941, 17.3073, 9.1494], device='cuda:0')

Target Values: tensor([ 0.0000, 17.5577, 27.1141, 19.7738, 20.7497, 16.3912], device='cuda:0')

test loss from 2 : 4.560667991638184

Output of network: tensor([19.1065, 2.3709, 8.1474, 20.2584, 0.8865, 0.1032], device='cuda:0')

Target Values: tensor([15.9878, 0.0000, 6.6737, 17.2505, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 1.8838863372802734

Output of network: tensor([ 0.3193, 0.6691, 0.3620, 0.2399, 2.5705, 16.2863], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 0.0000, 0.0000, 18.2757], device='cuda:0')

test loss from 2 : 4.89006233215332

Output of network: tensor([ 1.7463, -0.2639, 26.2427, 0.3656, 20.1620, 1.9026], device='cuda:0')

Target Values: tensor([ 2.3369, 0.0000, 31.3230, 0.0000, 21.6579, 2.7635], device='cuda:0')

test loss from 2 : 45.72938537597656

Output of network: tensor([-0.4060, 6.6730, 28.8052, 16.9847, 0.8388, 22.1870], device='cuda:0')

Target Values: tensor([ 0.0000, 4.1197, 25.8232, 21.6566, 0.0000, 6.8159], device='cuda:0')

test loss from 2 : 1.4336451292037964

Output of network: tensor([ 1.0810, 0.1300, -0.1469, 0.5219, 28.0863, 19.3839], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 0.0000, 30.5889, 20.3109], device='cuda:0')

test loss from 2 : 19.728300094604492

Output of network: tensor([ 0.6325, 0.9971, 0.1439, -0.1695, 0.9239, 14.4965], device='cuda:0')

Target Values: tensor([0.0000, 0.0000, 0.0000, 0.0000, 0.0000, 3.7228], device='cuda:0')

test loss from 2 : 2.680115222930908

Output of network: tensor([ 2.3360e+01, 7.7314e-01, 1.9415e+00, 1.0604e+01, 1.4651e+01,

-1.4402e-02], device='cuda:0')

Target Values: tensor([20.0462, 0.0000, 1.7066, 12.7088, 14.5384, 0.0000], device='cuda:0')

test loss from 2 : 34.55571746826172

Output of network: tensor([16.5069, 1.1451, 0.5311, 1.7844, 25.3799, 0.4034], device='cuda:0')

Target Values: tensor([24.0773, 0.0000, 0.0000, 0.0000, 37.4249, 0.0000], device='cuda:0')

test loss from 2 : 0.5431573390960693

Output of network: tensor([ 0.4027, 0.7034, -0.0318, 0.8440, 0.4219, 1.3079], device='cuda:0')

Target Values: tensor([0., 0., 0., 0., 0., 0.], device='cuda:0')

test loss from 2 : 16.522275924682617

Output of network: tensor([ 1.7449, 7.4237, 11.4973, -0.1875, 8.6378, 23.4028], device='cuda:0')

Target Values: tensor([ 9.4918, 12.8261, 10.6349, 0.0000, 11.6020, 22.7947], device='cuda:0')

test loss from 2 : 5.153627872467041

Output of network: tensor([ 4.3750, 10.8991, 17.6909, 3.3374, 26.3889, 4.6608], device='cuda:0')

Target Values: tensor([ 2.6840, 14.6395, 16.5951, 0.9441, 24.4668, 2.8039], device='cuda:0')

test loss from 2 : 0.5530924797058105

Output of network: tensor([ 0.4209, 0.2036, -0.1667, 23.7727, 2.4865, -0.1133], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 22.8479, 3.9711, 0.0000], device='cuda:0')

test loss from 2 : 13.399347305297852

Output of network: tensor([13.7561, 28.4407, 2.8521, 1.2217, 16.9664, 3.3807], device='cuda:0')

Target Values: tensor([13.8226, 31.7980, 0.0000, 0.0000, 24.4075, 5.4114], device='cuda:0')

test loss from 2 : 2.7175464630126953

Output of network: tensor([ 0.1232, 0.6100, 0.6765, 25.0575, 0.7607, 3.0329], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 28.9641, 0.5757, 3.4389], device='cuda:0')

test loss from 2 : 11.827136039733887

Output of network: tensor([ 1.2885, 4.4901, 1.4500, 11.9994, 15.2929, 0.5635], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 16.5783, 20.3679, 0.0000], device='cuda:0')

test loss from 2 : 24.561429977416992

Output of network: tensor([17.4273, 0.1782, 0.3325, 28.3775, 26.7712, 29.2329], device='cuda:0')

Target Values: tensor([12.1258, 0.0000, 0.0000, 33.0411, 25.5470, 39.0244], device='cuda:0')

test loss from 2 : 9.081653594970703

Output of network: tensor([10.2249, 0.3689, -0.3395, 18.9537, 14.8323, -0.0641], device='cuda:0')

Target Values: tensor([10.6977, 0.0000, 0.0000, 22.0798, 21.4835, 0.0000], device='cuda:0')

test loss from 2 : 75.69766235351562

Output of network: tensor([ 0.8538, 7.4109, 0.1523, 32.8472, 23.9490, 23.9821], device='cuda:0')

Target Values: tensor([ 0.0000, 3.4791, 0.0000, 21.3137, 6.6499, 26.3683], device='cuda:0')

test loss from 2 : 6.472904205322266

Output of network: tensor([10.0003, 7.4341, 0.0269, 9.3793, 0.3937, 23.5395], device='cuda:0')

Target Values: tensor([ 7.6761, 11.2581, 0.0000, 5.8655, 0.0000, 21.0275], device='cuda:0')

test loss from 2 : 7.588554382324219

Output of network: tensor([ 0.3805, 24.7077, -0.5389, 1.9455, 0.5793, 24.6200], device='cuda:0')

Target Values: tensor([ 0.0000, 23.2110, 0.0000, 6.8963, 0.0000, 20.3762], device='cuda:0')

test loss from 2 : 4.919940948486328

Output of network: tensor([ 0.4574, 3.5519, 30.1434, 26.7297, 0.8797, 0.1480], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 29.0779, 22.8874, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 1.3248317241668701

Output of network: tensor([8.6390, 0.3439, 0.5994, 0.1929, 0.6685, 7.8587], device='cuda:0')

Target Values: tensor([6.0867, 0.0000, 0.0000, 0.0000, 0.0000, 8.5465], device='cuda:0')

test loss from 2 : 2.1829469203948975

Output of network: tensor([ 0.2360, 6.7443, 1.9529, 1.7618, 22.7334, 0.1273], device='cuda:0')

Target Values: tensor([ 0.0000, 5.9742, 4.4791, 0.0000, 21.0168, 0.0000], device='cuda:0')

test loss from 2 : 19.63031768798828

Output of network: tensor([10.9738, 0.3258, 0.4962, 10.5888, 26.4621, 3.6849], device='cuda:0')

Target Values: tensor([12.7640, 0.0000, 0.0000, 10.5076, 25.0703, 14.2812], device='cuda:0')

test loss from 2 : 5.0446085929870605

Output of network: tensor([11.3553, 0.3040, 0.7528, 4.0547, 0.4352, 0.0632], device='cuda:0')

Target Values: tensor([12.6739, 0.0000, 0.4607, 9.3611, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 3.0726733207702637

Output of network: tensor([ 0.3676, 10.4487, 0.7115, 26.1472, 0.9155, 23.2297], device='cuda:0')

Target Values: tensor([ 0.0000, 6.3195, 0.0000, 26.5012, 0.2124, 23.5822], device='cuda:0')

test loss from 2 : 35.80309295654297

Output of network: tensor([ 1.3635, 6.3801, 0.1665, 16.5828, 0.2274, 1.6481], device='cuda:0')

Target Values: tensor([ 0.0000, 4.4919, 0.0000, 18.7815, 0.0000, 15.9478], device='cuda:0')

test loss from 2 : 7.092977046966553

Output of network: tensor([ 2.7162, 0.2837, 18.7365, 0.6426, 0.3591, 0.8290], device='cuda:0')

Target Values: tensor([ 3.7555, 0.0000, 23.4583, 0.0000, 0.0000, 5.1371], device='cuda:0')

test loss from 2 : 34.674530029296875

Output of network: tensor([ 9.4262, 0.5802, 26.6037, 22.6169, 21.4165, 7.1274], device='cuda:0')

Target Values: tensor([16.4087, 0.0000, 30.5579, 34.4070, 23.0286, 8.4370], device='cuda:0')

test loss from 2 : 9.617515563964844

Output of network: tensor([24.2567, 2.5509, 21.2293, 0.5406, 2.2832, 1.1514], device='cuda:0')

Target Values: tensor([29.3924, 0.0000, 21.2029, 0.0000, 2.8018, 6.0770], device='cuda:0')

test loss from 2 : 4.892016410827637

Output of network: tensor([18.7773, 0.4510, -0.0652, 2.6414, 23.9182, 22.1588], device='cuda:0')

Target Values: tensor([20.7584, 0.0000, 0.0000, 6.5963, 26.9795, 22.6135], device='cuda:0')

test loss from 2 : 17.32823944091797

Output of network: tensor([29.1627, 24.5898, 20.6890, 25.3806, 0.5064, 0.7389], device='cuda:0')

Target Values: tensor([37.3752, 26.4402, 24.5868, 29.5165, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 12.676711082458496

Output of network: tensor([ 2.8984e+01, 2.5642e+01, -7.9181e-03, 7.7513e+00, -3.8367e-01,

1.2226e+00], device='cuda:0')

Target Values: tensor([29.5630, 18.0792, 0.0000, 11.8601, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 3.935004234313965

Output of network: tensor([21.4247, 0.4552, 21.5637, 19.9481, 13.6656, 0.6860], device='cuda:0')

Target Values: tensor([23.5377, 0.0000, 21.5442, 24.1098, 14.7365, 0.0000], device='cuda:0')

test loss from 2 : 22.09425926208496

Output of network: tensor([11.6930, 0.7776, 23.9783, 13.1177, 0.8408, 6.3375], device='cuda:0')

Target Values: tensor([17.3005, 0.0000, 22.2327, 22.9111, 0.0000, 7.2596], device='cuda:0')

test loss from 2 : 3.115809202194214

Output of network: tensor([10.4583, 27.9042, 0.4369, 16.1627, 1.1050, 0.2332], device='cuda:0')

Target Values: tensor([12.2302, 26.0992, 0.0000, 19.4537, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 1.9583500623703003

Output of network: tensor([ 1.6016, 23.3101, 21.9908, 1.7567, 0.1818, 0.1338], device='cuda:0')

Target Values: tensor([ 0.0000, 23.4035, 24.4483, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 3.9770145416259766

Output of network: tensor([8.7884, 0.7626, 0.0580, 0.7306, 0.3959, 6.3195], device='cuda:0')

Target Values: tensor([ 6.8847, 0.0000, 0.0000, 0.0000, 0.0000, 10.6741], device='cuda:0')

test loss from 2 : 13.508814811706543

Output of network: tensor([ 0.3582, -0.4263, 1.1414, -0.0804, 4.8726, 26.8919], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 0.0000, 12.9501, 30.6585], device='cuda:0')

test loss from 2 : 35.808082580566406

Output of network: tensor([26.7606, 10.4972, 10.5685, 6.3216, 24.8795, 1.4938], device='cuda:0')

Target Values: tensor([39.2748, 11.7644, 12.5174, 9.3217, 30.0294, 5.6551], device='cuda:0')

test loss from 2 : 6.116366386413574

Output of network: tensor([ 2.8312, 2.6175, 2.2539, 27.5861, 1.9280, 0.3321], device='cuda:0')

Target Values: tensor([ 0.0000, 2.1680, 0.0000, 32.0102, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 15.592130661010742

Output of network: tensor([27.9672, 13.6882, 7.2667, 6.4364, 0.0410, 3.5344], device='cuda:0')

Target Values: tensor([26.5034, 19.4675, 11.4321, 7.0782, 0.0000, 9.8784], device='cuda:0')

test loss from 2 : 2.861586093902588

Output of network: tensor([0.5165, 1.7502, 0.3579, 0.1704, 4.8468, 9.4604], device='cuda:0')

Target Values: tensor([0.0000, 0.0000, 0.0000, 0.0000, 4.9054, 5.7619], device='cuda:0')

test loss from 2 : 12.727160453796387

Output of network: tensor([-0.0422, -0.0776, 0.4544, 2.7066, 0.3527, 11.5852], device='cuda:0')

Target Values: tensor([0.0000, 0.0000, 0.0000, 0.0000, 0.0000, 3.2967], device='cuda:0')

test loss from 2 : 25.91921043395996

Output of network: tensor([18.5362, 0.5682, 0.9317, 10.0199, 20.7922, -0.2984], device='cuda:0')

Target Values: tensor([15.8410, 0.0000, 0.0000, 15.8123, 31.4421, 0.0000], device='cuda:0')

test loss from 2 : 2.5265703201293945

Output of network: tensor([ 0.3195, 19.6612, 1.2707, 0.2836, 0.8441, 7.5669], device='cuda:0')

Target Values: tensor([ 0.0000, 20.3733, 0.0000, 0.0000, 0.0000, 4.0823], device='cuda:0')

test loss from 2 : 9.024005889892578

Output of network: tensor([29.8366, -0.2760, 17.0913, 1.7222, 4.1816, 21.3756], device='cuda:0')

Target Values: tensor([26.5196, 0.0000, 15.0482, 0.0000, 4.3929, 27.3656], device='cuda:0')

test loss from 2 : 1.2763010263442993

Output of network: tensor([16.5776, 2.4908, 14.5198, 0.0446, 8.7188, 0.1176], device='cuda:0')

Target Values: tensor([16.5858, 1.8810, 15.4762, 0.0000, 11.2397, 0.0000], device='cuda:0')

test loss from 2 : 4.557777404785156

Output of network: tensor([ 1.0519, 4.9766, 0.0817, 0.0266, 11.9224, 0.6512], device='cuda:0')

Target Values: tensor([ 0.0000, 0.2679, 0.0000, 0.0000, 13.8294, 0.0000], device='cuda:0')

test loss from 2 : 12.817850112915039

Output of network: tensor([ 1.1126, 25.1865, 0.1298, 0.8459, 7.5137, -0.1164], device='cuda:0')

Target Values: tensor([ 0.0000, 24.2186, 0.0000, 0.0000, 16.1153, 0.0000], device='cuda:0')

test loss from 2 : 0.9375497102737427

Output of network: tensor([ 0.8506, 28.5925, 0.4465, 0.0962, 1.0084, 20.8741], device='cuda:0')

Target Values: tensor([ 0.0000, 28.5447, 0.0000, 0.0000, 0.0000, 18.9574], device='cuda:0')

test loss from 2 : 35.657711029052734

Output of network: tensor([13.6306, -0.0684, -0.2757, 2.8076, 2.9581, 19.2168], device='cuda:0')

Target Values: tensor([17.9891, 0.0000, 0.0000, 11.3014, 13.9859, 18.1625], device='cuda:0')

test loss from 2 : 8.56995964050293

Output of network: tensor([-2.7183e-02, 2.1764e-01, 4.7950e+00, 3.2085e+01, 2.2942e+00,

5.5590e-01], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.1758, 26.9848, 0.2905, 0.6156], device='cuda:0')

test loss from 2 : 10.037553787231445

Output of network: tensor([ 1.2313, 0.6684, 0.2941, 23.9355, 15.6189, 7.6061], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 23.2381, 22.1123, 11.5463], device='cuda:0')

test loss from 2 : 11.689017295837402

Output of network: tensor([16.2907, 2.9705, 21.6998, 22.8126, 5.2291, 0.6780], device='cuda:0')

Target Values: tensor([17.4155, 0.1937, 15.0705, 26.8919, 5.5616, 0.0000], device='cuda:0')

test loss from 2 : 2.5311801433563232

Output of network: tensor([ 0.1825, 22.2683, -0.0841, 12.9362, 0.6913, 0.6071], device='cuda:0')

Target Values: tensor([ 0.0000, 19.9255, 0.0000, 15.9046, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 1.2164345979690552

Output of network: tensor([19.8445, -0.2320, 0.4142, 26.0396, 22.8540, 0.4134], device='cuda:0')

Target Values: tensor([21.6457, 0.0000, 0.0000, 26.7987, 21.0985, 0.0000], device='cuda:0')

test loss from 2 : 8.587522506713867

Output of network: tensor([ 0.2083, 0.9198, 0.5045, 2.0483, 28.3139, 20.5513], device='cuda:0')

Target Values: tensor([ 0.0000, 3.2034, 0.0000, 8.2449, 30.7225, 19.2043], device='cuda:0')

test loss from 2 : 5.582461357116699

Output of network: tensor([22.9991, 15.0181, 0.9045, 7.7110, 7.8615, 0.4704], device='cuda:0')

Target Values: tensor([26.8981, 12.1746, 0.0000, 10.0790, 5.9746, 0.0000], device='cuda:0')

test loss from 2 : 11.287554740905762

Output of network: tensor([ 1.7883, 0.4735, 0.7171, 31.8052, -0.3535, 25.4428], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 37.1131, 0.0000, 31.4001], device='cuda:0')

test loss from 2 : 0.6571897864341736

Output of network: tensor([ 0.6849, -0.2071, 22.8921, -0.0844, 0.4424, 1.7000], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 23.4737, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 21.109935760498047

Output of network: tensor([ 3.7838, 0.2032, 0.2722, 21.6056, 17.9716, 22.9919], device='cuda:0')

Target Values: tensor([ 3.4478, 0.0000, 0.0000, 16.3156, 15.2529, 32.5342], device='cuda:0')

test loss from 2 : 2.4428329467773438

Output of network: tensor([19.4697, 0.3603, 22.3973, 0.1549, -0.0670, 26.5386], device='cuda:0')

Target Values: tensor([18.4175, 0.0000, 21.0494, 0.0000, 0.0000, 23.1365], device='cuda:0')

test loss from 2 : 4.904790878295898

Output of network: tensor([ 0.8355, 1.0277, 18.4669, 1.3054, 4.9280, 3.2116], device='cuda:0')

Target Values: tensor([ 0.6955, 0.0000, 17.2515, 0.0000, 0.0000, 4.1530], device='cuda:0')

test loss from 2 : 14.825969696044922

Output of network: tensor([ 4.1303, 0.5273, 1.3761, 0.0754, 19.4670, 13.7297], device='cuda:0')

Target Values: tensor([ 3.9059, 0.0000, 0.0000, 0.0000, 20.5912, 22.9744], device='cuda:0')

test loss from 2 : 1.5664258003234863

Output of network: tensor([ 0.3709, 0.2182, 0.6106, 2.4478, 5.5836, -0.0182], device='cuda:0')

Target Values: tensor([0.0000, 0.0000, 0.0000, 0.0000, 3.8959, 0.0000], device='cuda:0')

test loss from 2 : 7.386259078979492

Output of network: tensor([-0.1794, 2.4257, 23.3864, 0.3250, 12.1532, 5.0753], device='cuda:0')

Target Values: tensor([ 0.0000, 4.8826, 29.1431, 0.0000, 11.8911, 2.8539], device='cuda:0')

test loss from 2 : 18.546607971191406

Output of network: tensor([18.0767, -0.0496, 3.9576, 26.5685, 15.1047, 0.7685], device='cuda:0')

Target Values: tensor([26.9279, 0.0000, 3.7822, 25.0133, 20.5721, 0.0000], device='cuda:0')

test loss from 2 : 2.2748360633850098

Output of network: tensor([1.0640e-02, 3.1355e+01, 8.4133e-01, 7.7714e+00, 6.4719e-01, 2.5038e+00],

device='cuda:0')

Target Values: tensor([ 0.0000, 33.4326, 0.0000, 6.3802, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 13.956623077392578

Output of network: tensor([17.4144, -0.5037, 0.6687, 1.1977, 0.4556, 6.5253], device='cuda:0')

Target Values: tensor([26.4201, 0.0000, 0.0000, 0.0000, 0.0000, 7.0690], device='cuda:0')

test loss from 2 : 1.7225418090820312

Output of network: tensor([ 0.0430, 0.9530, 0.1563, 6.3139, 30.8235, 17.5476], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 5.6258, 32.4614, 20.0465], device='cuda:0')

test loss from 2 : 8.175472259521484

Output of network: tensor([25.5934, -0.2895, 4.5123, 0.4810, 23.6770, 3.6349], device='cuda:0')

Target Values: tensor([28.2208, 0.0000, 7.7946, 0.0000, 26.2553, 8.5759], device='cuda:0')

test loss from 2 : 3.3648681640625

Output of network: tensor([29.5273, 1.2788, 27.7072, 1.0963, 24.2179, 0.0853], device='cuda:0')

Target Values: tensor([26.0500, 2.7016, 28.6056, 0.0000, 22.2037, 0.0000], device='cuda:0')

test loss from 2 : 7.357104301452637

Output of network: tensor([20.6542, 15.5212, 0.3120, 0.3452, 21.5356, 30.1641], device='cuda:0')

Target Values: tensor([20.6175, 17.4125, 0.0000, 0.0000, 26.0910, 25.7372], device='cuda:0')

test loss from 2 : 3.774822950363159

Output of network: tensor([ 1.0327, 0.8482, 4.7418, 29.5168, 11.2247, 1.5270], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 9.0122, 30.3816, 12.1993, 0.5628], device='cuda:0')

test loss from 2 : 14.063055038452148

Output of network: tensor([12.5513, 29.7667, 30.9639, 1.5107, 19.9569, 0.5253], device='cuda:0')

Target Values: tensor([16.7731, 36.7884, 29.0709, 0.0000, 23.2898, 0.0000], device='cuda:0')

test loss from 2 : 15.12812328338623

Output of network: tensor([21.5141, 30.9105, 0.1363, 1.2545, -0.0353, 0.4084], device='cuda:0')

Target Values: tensor([30.6604, 28.4153, 0.0000, 2.0918, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 0.4044983983039856

Output of network: tensor([0.2156, 1.2366, 0.5071, 0.2937, 0.6806, 2.6779], device='cuda:0')

Target Values: tensor([0.0000, 0.0000, 0.0000, 0.0000, 0.0000, 2.8895], device='cuda:0')

test loss from 2 : 12.67803955078125

Output of network: tensor([ 2.3940, 29.5090, 9.8761, 1.2410, 30.6010, 24.1200], device='cuda:0')

Target Values: tensor([ 2.5909, 25.6014, 9.5482, 5.8229, 25.3964, 20.5744], device='cuda:0')

test loss from 2 : 3.7635178565979004

Output of network: tensor([ 1.2919, 14.3704, 21.1278, 0.4486, 2.2028, -0.2366], device='cuda:0')

Target Values: tensor([ 0.0000, 18.6611, 21.9039, 0.0000, 0.9214, 0.0000], device='cuda:0')

test loss from 2 : 8.317514419555664

Output of network: tensor([5.4744, 1.7588, 0.5947, 0.8777, 0.0563, 3.5763], device='cuda:0')

Target Values: tensor([8.0974, 0.0000, 0.0000, 0.1220, 0.0000, 9.8216], device='cuda:0')

test loss from 2 : 6.800864219665527

Output of network: tensor([ 1.0921, 0.4042, 18.1373, 18.6089, 1.6924, 8.0326], device='cuda:0')

Target Values: tensor([ 3.3418, 0.0000, 19.6798, 24.2657, 2.7641, 7.8026], device='cuda:0')

test loss from 2 : 9.584941864013672

Output of network: tensor([12.2555, 30.4880, 1.1578, 0.2344, 0.6598, 1.7305], device='cuda:0')

Target Values: tensor([17.1230, 25.1036, 0.0000, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 6.0181684494018555

Output of network: tensor([19.3679, 0.5525, 22.6652, 5.0840, 3.8765, 1.4835], device='cuda:0')

Target Values: tensor([22.9669, 0.0000, 24.4634, 1.0598, 2.0472, 1.2061], device='cuda:0')

test loss from 2 : 0.5196573734283447

Output of network: tensor([ 0.7524, 0.7652, 18.3449, 0.2144, 0.4065, 0.7944], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 19.4052, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 2.9135069847106934

Output of network: tensor([ 1.2925, 16.4300, 1.0615, 0.3118, 0.6275, 22.9414], device='cuda:0')

Target Values: tensor([ 0.0000, 20.0017, 0.0000, 0.0000, 0.0000, 21.7433], device='cuda:0')

test loss from 2 : 1.0341426134109497

Output of network: tensor([ 0.7577, 31.1592, 1.0459, -0.1609, 0.0510, 2.1204], device='cuda:0')

Target Values: tensor([ 0.0000, 31.2692, 0.0000, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 4.368876934051514

Output of network: tensor([ 2.7081, 24.5237, 0.5532, 12.7491, 0.4544, 24.0349], device='cuda:0')

Target Values: tensor([ 3.6308, 29.2982, 0.0000, 14.1249, 1.0260, 23.8357], device='cuda:0')

test loss from 2 : 5.339972972869873

Output of network: tensor([ 6.7964, 12.8066, 2.4067, 0.5774, 9.7338, 0.2667], device='cuda:0')

Target Values: tensor([11.4803, 13.1141, 0.0000, 0.0000, 11.6855, 0.0000], device='cuda:0')

test loss from 2 : 1.289121389389038

Output of network: tensor([-0.1006, 1.8177, 22.8593, 2.4164, -0.0573, 1.7227], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 23.5346, 3.4132, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 0.7282401323318481

Output of network: tensor([26.2807, 0.1624, 2.3389, 0.2262, 6.4940, 0.5168], device='cuda:0')

Target Values: tensor([26.0110, 0.0000, 3.5906, 0.0000, 4.9496, 0.0000], device='cuda:0')

test loss from 2 : 9.744619369506836

Output of network: tensor([6.9140, 0.3116, 0.4519, 0.3370, 0.6304, 0.7739], device='cuda:0')

Target Values: tensor([14.4676, 0.0000, 0.0000, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 2.7020721435546875

Output of network: tensor([-2.4077e-02, 5.7478e-01, 2.6693e+01, 5.9904e-01, 1.1409e+00,

2.1950e+01], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 30.6162, 0.0000, 1.3909, 22.2146], device='cuda:0')

test loss from 2 : 0.5801764726638794

Output of network: tensor([ 0.9480, 3.0694, 23.4585, 0.1613, 1.5438, 19.4385], device='cuda:0')

Target Values: tensor([ 0.0000, 2.7529, 23.6271, 0.0000, 0.0000, 19.6493], device='cuda:0')

test loss from 2 : 4.566330909729004

Output of network: tensor([11.9268, -0.1907, 13.9619, 8.2587, 23.6686, 0.0824], device='cuda:0')

Target Values: tensor([11.2530, 0.0000, 18.7825, 9.2612, 22.0383, 0.0000], device='cuda:0')

test loss from 2 : 2.2066025733947754

Output of network: tensor([ 2.4215e+01, -2.4092e-02, 1.9696e+01, 3.3237e+00, 4.0489e-01,

4.5832e-01], device='cuda:0')

Target Values: tensor([23.3661, 0.0000, 20.7431, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 5.299773693084717

Output of network: tensor([ 0.5829, 2.1375, 0.9944, 23.4356, 32.3960, 19.1514], device='cuda:0')

Target Values: tensor([ 0.0000, 2.5225, 0.0000, 27.3206, 28.5719, 18.3736], device='cuda:0')

test loss from 2 : 5.938403606414795

Output of network: tensor([ 0.8201, 0.8850, 0.1479, 4.2773, 31.3066, 18.6047], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 4.3645, 36.9821, 19.9954], device='cuda:0')

test loss from 2 : 10.03199577331543

Output of network: tensor([ 0.3500, 1.6578, 20.2107, 24.8745, 0.2860, 18.9600], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 20.7244, 32.4125, 0.0000, 19.3539], device='cuda:0')

test loss from 2 : 3.2486865520477295

Output of network: tensor([ 2.5679e-02, 3.2179e+01, 2.2725e+00, -2.6965e-02, 9.3490e-01,

3.1880e-02], device='cuda:0')

Target Values: tensor([ 0.0000, 34.7058, 5.7695, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 4.305992126464844

Output of network: tensor([ 5.4122, 2.8284, -0.1903, 0.7407, 0.5916, 1.4839], device='cuda:0')

Target Values: tensor([8.9951, 5.9688, 0.0000, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 14.700008392333984

Output of network: tensor([30.8835, 6.1333, 0.2091, 15.4084, 0.9807, 23.6897], device='cuda:0')

Target Values: tensor([23.2240, 8.3794, 0.0000, 20.0568, 0.0000, 25.0583], device='cuda:0')

test loss from 2 : 12.74100399017334

Output of network: tensor([ 2.0947, 3.6651, 4.4107, 0.1797, 29.8603, 23.5722], device='cuda:0')

Target Values: tensor([ 0.0000, 4.2038, 6.2228, 0.0000, 21.6142, 24.2457], device='cuda:0')

test loss from 2 : 3.14351749420166

Output of network: tensor([ 5.8503, 21.4993, 1.4235, 0.1943, 0.3738, 0.8875], device='cuda:0')

Target Values: tensor([ 4.4811, 25.2402, 0.0000, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 1.4287331104278564

Output of network: tensor([ 4.4241, 0.1839, -0.4196, -0.0435, 21.4408, 1.4081], device='cuda:0')

Target Values: tensor([ 4.6677, 0.0000, 0.0000, 0.0000, 23.9544, 0.0000], device='cuda:0')

test loss from 2 : 9.104573249816895

Output of network: tensor([20.8399, 3.4581, 1.3715, 9.7057, 26.0749, 4.9292], device='cuda:0')

Target Values: tensor([19.7584, 3.1794, 5.1982, 15.7099, 24.4782, 4.5593], device='cuda:0')

test loss from 2 : 1.2528703212738037

Output of network: tensor([ 5.2107, 0.4541, 1.1002, 13.0565, 10.1155, 2.0828], device='cuda:0')

Target Values: tensor([ 5.0535, 0.0000, 0.0000, 12.7624, 8.8304, 0.0000], device='cuda:0')

test loss from 2 : 10.595483779907227

Output of network: tensor([14.1046, 0.2927, 20.0350, 7.1700, 0.2146, 1.0082], device='cuda:0')

Target Values: tensor([18.5502, 0.0000, 20.4861, 0.6540, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 6.401881217956543

Output of network: tensor([ 1.3589, 24.5730, 0.8400, 7.1291, 7.1449, 0.2097], device='cuda:0')

Target Values: tensor([ 4.4768, 26.4508, 0.0000, 11.2629, 4.4382, 0.0000], device='cuda:0')

test loss from 2 : 15.198210716247559

Output of network: tensor([25.8861, 0.0653, 0.2173, 19.7526, 9.2917, 18.2621], device='cuda:0')

Target Values: tensor([21.9761, 0.0000, 0.0000, 15.2386, 16.6862, 19.1542], device='cuda:0')

test loss from 2 : 4.4657135009765625

Output of network: tensor([ 2.5573, 5.5918, -0.1638, 22.8341, 3.6532, 11.3256], device='cuda:0')

Target Values: tensor([ 2.7692, 3.3422, 0.0000, 25.7572, 5.7812, 14.2563], device='cuda:0')

test loss from 2 : 5.450652599334717

Output of network: tensor([ 1.2500e-02, 1.3607e+01, 6.0592e+00, 1.0180e+00, 2.7690e-01,

-1.0518e-01], device='cuda:0')

Target Values: tensor([0.0000, 8.0935, 4.9714, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 4.514916896820068

Output of network: tensor([ 1.2852, 1.8765, 22.9340, 0.4936, -0.2198, 7.1980], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 26.9848, 0.0000, 0.0000, 4.9143], device='cuda:0')

test loss from 2 : 21.400405883789062

Output of network: tensor([20.4939, 0.7055, 9.7387, 30.7340, 0.0483, 29.3017], device='cuda:0')

Target Values: tensor([22.1470, 0.0000, 12.7781, 35.2074, 0.0000, 39.0957], device='cuda:0')

test loss from 2 : 3.499972343444824

Output of network: tensor([ 1.7529, 1.8692, 19.2997, 21.6762, 20.5222, 1.3093], device='cuda:0')

Target Values: tensor([ 0.0000, 5.8762, 19.5825, 21.8632, 20.7274, 0.0000], device='cuda:0')

test loss from 2 : 13.084468841552734

Output of network: tensor([22.5974, 6.5006, 0.6745, 1.1490, 0.4025, 25.7201], device='cuda:0')

Target Values: tensor([23.0720, 14.9854, 0.0000, 0.0000, 0.0000, 23.6335], device='cuda:0')

test loss from 2 : 10.19422435760498

Output of network: tensor([23.5456, 1.5179, 0.7384, 23.4779, 1.1829, 16.8318], device='cuda:0')

Target Values: tensor([22.2747, 3.1200, 2.8465, 30.4745, 0.0000, 18.3104], device='cuda:0')

test loss from 2 : 24.013029098510742

Output of network: tensor([-1.5181e-03, 1.1937e+01, 3.1611e+00, 3.5065e-01, 5.2586e-01,

1.5436e+01], device='cuda:0')

Target Values: tensor([ 0.0000, 9.0947, 8.2804, 0.0000, 0.0000, 25.8954], device='cuda:0')

test loss from 2 : 4.458837509155273

Output of network: tensor([ 0.1941, 9.3214, 12.0154, 9.6495, -0.1302, 2.0504], device='cuda:0')

Target Values: tensor([ 0.0000, 13.6970, 11.5140, 7.4932, 0.0000, 0.4219], device='cuda:0')

test loss from 2 : 0.43313074111938477

Output of network: tensor([24.7424, 0.4657, 1.2993, 0.6041, 0.2222, 0.5073], device='cuda:0')

Target Values: tensor([24.5940, 0.0000, 0.0000, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 8.573809623718262

Output of network: tensor([12.7349, 0.5947, 30.9576, 0.0561, 0.5387, -0.0935], device='cuda:0')

Target Values: tensor([14.1681, 0.0000, 23.9767, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 1.9313071966171265

Output of network: tensor([ 0.5754, 0.5464, 9.2501, 1.0513, 18.3595, 0.5337], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 12.3259, 0.0000, 18.0319, 0.0000], device='cuda:0')

test loss from 2 : 0.5253421068191528

Output of network: tensor([-0.2222, 1.5637, 0.3417, 0.9305, 0.9755, 0.3158], device='cuda:0')

Target Values: tensor([0.0000, 0.5299, 0.0000, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 7.81363582611084

Output of network: tensor([ 1.0278, 10.4167, 0.7489, -0.6507, 0.4780, 0.3356], device='cuda:0')

Target Values: tensor([ 0.0000, 17.0875, 0.0000, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 7.885797023773193

Output of network: tensor([ 1.1165e+01, 4.7690e+00, -2.5941e-02, 3.0265e+01, 6.4675e-01,

2.5089e+01], device='cuda:0')

Target Values: tensor([16.0083, 1.1475, 0.0000, 27.0780, 0.0000, 24.6798], device='cuda:0')

test loss from 2 : 5.231463432312012

Output of network: tensor([0.3788, 0.6555, 9.6784, 1.1415, 0.4141, 1.4908], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 14.8629, 0.0000, 0.0000, 3.0597], device='cuda:0')

test loss from 2 : 6.934202194213867

Output of network: tensor([11.2050, 15.8795, 29.7962, 0.3303, 2.9494, 0.8401], device='cuda:0')

Target Values: tensor([16.3620, 17.0207, 31.8441, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 6.077121734619141

Output of network: tensor([ 0.2699, 1.7084, 20.4355, 27.2972, 7.8976, 0.9602], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 25.3611, 24.5471, 7.0465, 0.0000], device='cuda:0')

test loss from 2 : 17.273971557617188

Output of network: tensor([ 0.1056, 27.0488, 0.2992, 22.8980, 0.8887, 14.2278], device='cuda:0')

Target Values: tensor([ 0.0000, 31.9152, 0.0000, 31.3622, 0.0000, 16.9533], device='cuda:0')

test loss from 2 : 3.6274256706237793

Output of network: tensor([ 0.1629, 0.4264, 14.5106, 22.6957, 0.4980, 0.7262], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 17.6512, 25.9999, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 2.310544490814209

Output of network: tensor([-0.4009, 0.5591, 6.8050, 6.6443, -0.2594, 27.3885], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 5.2509, 9.7654, 0.0000, 26.3087], device='cuda:0')

test loss from 2 : 7.07772970199585

Output of network: tensor([23.3830, 10.0606, 8.3101, 0.1666, 0.4021, 0.3208], device='cuda:0')

Target Values: tensor([20.2414, 10.0901, 13.9937, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 1.169047236442566

Output of network: tensor([ 0.1346, 0.1159, 14.5803, 7.7427, 28.5667, 0.2238], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 15.4898, 9.6236, 26.9642, 0.0000], device='cuda:0')

test loss from 2 : 32.85183334350586

Output of network: tensor([25.2414, 1.5992, 0.1939, 1.9304, 11.2866, 1.0800], device='cuda:0')

Target Values: tensor([25.9904, 0.0000, 0.0000, 0.0000, 24.8333, 3.6716], device='cuda:0')

test loss from 2 : 2.6975505352020264

Output of network: tensor([ 0.3612, 1.4238, 2.1339, 0.0624, 26.0048, 1.1004], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 3.7004, 0.0000, 29.2233, 0.0000], device='cuda:0')

test loss from 2 : 5.14644718170166

Output of network: tensor([26.9742, 20.1734, 14.8585, 2.4979, 22.6744, 0.7929], device='cuda:0')

Target Values: tensor([28.9728, 21.0963, 13.7185, 2.6743, 17.7680, 0.0000], device='cuda:0')

test loss from 2 : 15.391685485839844

Output of network: tensor([ 4.7149, 0.4779, 0.6668, 15.4718, 1.0873, 17.4088], device='cuda:0')

Target Values: tensor([ 5.7390, 0.0000, 0.9214, 21.9110, 0.0000, 24.3630], device='cuda:0')

test loss from 2 : 4.803409099578857

Output of network: tensor([28.6569, 16.6471, 0.5201, 27.5976, 0.2198, 0.4146], device='cuda:0')

Target Values: tensor([26.4300, 15.6235, 0.0000, 22.8728, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 40.14602279663086

Output of network: tensor([ 1.4946, 0.5531, 16.5969, 12.3178, 0.3114, 25.0647], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 18.2855, 15.0898, 0.0000, 9.9748], device='cuda:0')

test loss from 2 : 0.4111417233943939

Output of network: tensor([0.6459, 0.0128, 1.0316, 0.5196, 0.4472, 3.4548], device='cuda:0')

Target Values: tensor([0.0000, 0.0000, 0.0000, 0.0000, 0.0000, 2.7369], device='cuda:0')

test loss from 2 : 91.28662109375

Output of network: tensor([27.1229, 34.8109, 17.7408, 5.7639, 0.7071, 30.6615], device='cuda:0')

Target Values: tensor([26.6255, 21.5999, 20.0338, 22.7047, 0.0000, 39.6166], device='cuda:0')

test loss from 2 : 14.920432090759277

Output of network: tensor([ 1.8896, 23.9389, 4.7799, 25.5335, 1.3274, 5.2351], device='cuda:0')

Target Values: tensor([ 7.1871, 22.7282, 7.5635, 26.0309, 2.8355, 12.2866], device='cuda:0')

test loss from 2 : 8.038518905639648

Output of network: tensor([21.4582, 22.3836, 21.8835, 2.4556, 16.3539, 2.2430], device='cuda:0')

Target Values: tensor([26.7891, 22.2552, 22.9032, 5.8874, 14.9583, 0.0000], device='cuda:0')

test loss from 2 : 11.692686080932617

Output of network: tensor([21.6891, 28.9224, 4.8531, 4.7446, 6.9963, 14.2922], device='cuda:0')

Target Values: tensor([16.6246, 29.2456, 8.7469, 8.4196, 5.1063, 17.7799], device='cuda:0')

test loss from 2 : 11.480406761169434

Output of network: tensor([ 0.4260, 0.2050, 0.6148, -0.2163, 2.4245, 1.3235], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 2.4373, 0.0000, 10.3956, 0.0000], device='cuda:0')

test loss from 2 : 0.754477858543396

Output of network: tensor([ 2.9088, 0.2914, 1.3239, 0.7609, 18.2658, 0.3744], device='cuda:0')

Target Values: tensor([ 2.5415, 0.0000, 0.0000, 0.0000, 16.9110, 0.0000], device='cuda:0')

test loss from 2 : 1.3620381355285645

Output of network: tensor([ 9.2387, 0.8142, 0.5430, 0.7740, 24.9914, 3.3259], device='cuda:0')

Target Values: tensor([ 9.6866, 0.0000, 0.0000, 0.0000, 27.4516, 2.7242], device='cuda:0')

test loss from 2 : 7.419002056121826

Output of network: tensor([ 0.1112, 0.7047, 0.9225, 9.4440, 11.7550, 0.4349], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 9.4898, 18.3096, 0.0000], device='cuda:0')

test loss from 2 : 13.636287689208984

Output of network: tensor([-9.9555e-02, 1.4033e-01, -3.6414e-03, 3.0298e+01, 6.2463e+00,

2.5013e-01], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 38.2582, 10.5314, 0.0000], device='cuda:0')

test loss from 2 : 2.4786465167999268

Output of network: tensor([ 4.7183, 27.0615, 7.5152, 1.3054, 0.0437, 26.8814], device='cuda:0')

Target Values: tensor([ 3.6061, 23.7210, 6.9105, 0.0000, 0.0000, 27.5168], device='cuda:0')

test loss from 2 : 18.293169021606445

Output of network: tensor([ 0.9233, 0.3260, 0.5795, 6.3441, 2.2631, 27.1811], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 15.4790, 0.0000, 22.7204], device='cuda:0')

test loss from 2 : 0.7152904868125916

Output of network: tensor([ 0.3153, 4.6414, 0.3427, 0.3020, 6.3057, -0.1302], device='cuda:0')

Target Values: tensor([0.0000, 6.0402, 0.0000, 0.0000, 7.7234, 0.0000], device='cuda:0')

test loss from 2 : 17.240467071533203

Output of network: tensor([0.0723, 9.3346, 0.6779, 2.5011, 0.2059, 0.3144], device='cuda:0')

Target Values: tensor([ 0.0000, 19.1622, 0.0000, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 9.322078704833984

Output of network: tensor([ 9.7387, 19.5072, 10.6510, 1.5552, 22.1177, -0.0834], device='cuda:0')

Target Values: tensor([14.5225, 24.0152, 11.7527, 0.0000, 25.1322, 0.0000], device='cuda:0')

test loss from 2 : 22.23291778564453

Output of network: tensor([1.6007e-02, 2.2095e+01, 2.0290e+01, 1.0799e+01, 1.9242e+01, 2.0577e+01],

device='cuda:0')

Target Values: tensor([ 0.0000, 31.9442, 15.5205, 13.1373, 16.7403, 19.1874], device='cuda:0')

test loss from 2 : 7.885044097900391

Output of network: tensor([ 4.3861, 0.3754, 0.7171, 23.5360, 20.0407, 4.1792], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 18.6864, 20.5305, 6.0920], device='cuda:0')

test loss from 2 : 2.2243099212646484

Output of network: tensor([12.1173, 0.0777, 1.0999, 17.8101, 0.3220, 0.9032], device='cuda:0')

Target Values: tensor([14.9465, 0.0000, 0.0000, 19.6008, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 16.149511337280273

Output of network: tensor([ 0.9463, 0.3241, 29.4700, 5.2285, 22.6757, 25.1543], device='cuda:0')

Target Values: tensor([ 1.2458, 0.0000, 38.0700, 8.4663, 26.1656, 24.8733], device='cuda:0')

test loss from 2 : 30.415802001953125

Output of network: tensor([14.2839, 9.0523, 1.9338, 0.0892, 26.8091, 0.2007], device='cuda:0')

Target Values: tensor([ 9.6556, 15.3059, 1.0470, 0.0000, 15.8031, 0.0000], device='cuda:0')

test loss from 2 : 12.746722221374512

Output of network: tensor([ 0.0555, 21.6306, 4.3792, 4.0340, 20.4170, 0.0713], device='cuda:0')

Target Values: tensor([ 0.0000, 26.2838, 1.0900, 7.6306, 14.8434, 0.0000], device='cuda:0')

test loss from 2 : 7.680732727050781

Output of network: tensor([ 0.4976, 8.8902, 0.5030, 5.4030, 0.2775, 22.6127], device='cuda:0')

Target Values: tensor([ 0.0000, 12.1951, 0.0000, 0.0000, 0.0000, 20.2906], device='cuda:0')

test loss from 2 : 3.3087663650512695

Output of network: tensor([ 0.1709, 0.2289, 0.5020, 0.8528, 25.3070, 19.1634], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 4.0524, 26.9860, 16.6213], device='cuda:0')

test loss from 2 : 4.887961387634277

Output of network: tensor([ 0.2459, 1.9868, 0.0478, 25.6882, 0.1984, 8.2816], device='cuda:0')

Target Values: tensor([ 0.0000, 3.2024, 0.0000, 30.9363, 0.0000, 8.7350], device='cuda:0')

test loss from 2 : 2.0760886669158936

Output of network: tensor([24.8247, 13.3798, 0.2142, 1.3582, 1.1264, 0.3178], device='cuda:0')

Target Values: tensor([21.7302, 12.1809, 0.0000, 1.1928, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 1.004583477973938

Output of network: tensor([18.5028, 1.1759, -0.1382, 22.9079, 0.7640, 1.6870], device='cuda:0')

Target Values: tensor([18.7393, 0.0000, 0.0000, 23.9757, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 1.2637797594070435

Output of network: tensor([ 0.9325, 0.1861, 21.6328, 0.4930, 18.4913, 0.1826], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 24.1238, 0.0000, 18.0472, 0.0000], device='cuda:0')

test loss from 2 : 8.11430549621582

Output of network: tensor([25.9207, 1.5523, 23.8064, 4.1915, 13.0655, 15.6389], device='cuda:0')

Target Values: tensor([32.1184, 0.0000, 22.0452, 2.8463, 12.3902, 17.2191], device='cuda:0')

test loss from 2 : 6.303462505340576

Output of network: tensor([ 0.1593, 0.1835, 11.5305, 0.3932, 23.4188, 3.6243], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 14.3411, 0.0000, 27.4897, 0.0000], device='cuda:0')

test loss from 2 : 2.7773923873901367

Output of network: tensor([-0.2050, 16.7121, 0.9931, 13.4127, 0.3530, 14.4979], device='cuda:0')

Target Values: tensor([ 0.0000, 14.5567, 0.0000, 10.2120, 0.0000, 13.7096], device='cuda:0')

test loss from 2 : 5.452205181121826

Output of network: tensor([18.2470, 0.5989, 1.1992, 2.6546, 19.5912, 29.6083], device='cuda:0')

Target Values: tensor([18.6324, 0.0000, 0.0000, 3.7526, 14.2785, 28.4519], device='cuda:0')

test loss from 2 : 12.685820579528809

Output of network: tensor([ 1.5054, 23.5055, 0.4585, 0.8316, 0.1600, 5.1739], device='cuda:0')

Target Values: tensor([ 4.5189, 27.5927, 0.0000, 0.0000, 0.0000, 12.2026], device='cuda:0')

test loss from 2 : 1.5808961391448975

Output of network: tensor([ 1.8238, 1.1626, -0.1390, 0.8630, -0.4592, 13.5788], device='cuda:0')

Target Values: tensor([ 0.0000, 1.1377, 0.0000, 0.0000, 0.0000, 11.3020], device='cuda:0')

test loss from 2 : 12.87664794921875

Output of network: tensor([ 0.1527, 2.6350, 1.1940, 12.2471, 24.3157, 0.3766], device='cuda:0')

Target Values: tensor([ 0.0000, 5.6731, 0.0000, 20.1284, 22.2361, 0.0000], device='cuda:0')

test loss from 2 : 1.3430289030075073

Output of network: tensor([ 0.0352, -0.1122, 22.8906, 18.3188, 0.2173, 7.9039], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 23.2333, 20.4050, 0.0000, 6.0257], device='cuda:0')

test loss from 2 : 10.520750045776367

Output of network: tensor([2.7121e+01, 1.3015e+00, 2.2237e-02, 1.9611e+01, 2.0796e+01, 3.2535e-01],

device='cuda:0')

Target Values: tensor([34.0366, 0.0000, 0.0000, 23.1800, 19.9226, 0.0000], device='cuda:0')

test loss from 2 : 7.570287227630615

Output of network: tensor([ 7.5195, 18.1365, 16.4681, 2.6537, 4.7290, 2.5203], device='cuda:0')

Target Values: tensor([ 8.6535, 19.0821, 21.3544, 0.0000, 7.1726, 0.0000], device='cuda:0')

test loss from 2 : 9.90422248840332

Output of network: tensor([ 9.0421, 22.0017, 15.8557, 0.3344, 28.0487, 1.1149], device='cuda:0')

Target Values: tensor([ 4.7964, 25.7089, 19.7540, 0.0000, 31.3812, 0.0000], device='cuda:0')

test loss from 2 : 7.903365135192871

Output of network: tensor([ 0.8599, 6.2355, 28.0894, 3.1003, 2.5360, 4.2730], device='cuda:0')

Target Values: tensor([ 1.4207, 5.8817, 24.2846, 7.3039, 3.5517, 7.9880], device='cuda:0')

test loss from 2 : 3.078272581100464

Output of network: tensor([ 2.9540, 4.9259, 0.4164, 0.1342, 27.5733, 0.9491], device='cuda:0')

Target Values: tensor([ 0.0000, 3.5601, 0.0000, 0.0000, 30.3342, 0.6961], device='cuda:0')

test loss from 2 : 7.109278678894043

Output of network: tensor([ 2.8374, 0.4585, 0.2227, 11.9740, 20.9898, 1.1874], device='cuda:0')

Target Values: tensor([ 4.2705, 0.0000, 0.0000, 10.7063, 21.4887, 7.3912], device='cuda:0')

test loss from 2 : 41.804969787597656

Output of network: tensor([20.2050, 15.3200, 25.6854, 2.4142, 0.1899, 13.4002], device='cuda:0')

Target Values: tensor([25.5122, 28.9213, 27.3600, 0.8037, 0.0000, 19.0776], device='cuda:0')

test loss from 2 : 4.327060222625732

Output of network: tensor([14.4232, 0.2495, 0.9151, -0.0374, 30.2646, -0.2731], device='cuda:0')

Target Values: tensor([19.1228, 0.0000, 0.0000, 0.0000, 28.5616, 0.0000], device='cuda:0')

test loss from 2 : 8.038503646850586

Output of network: tensor([ 6.7389, -0.0386, 2.1586, -0.1449, 23.2476, 30.7483], device='cuda:0')

Target Values: tensor([ 7.9414, 0.0000, 0.0000, 0.0000, 29.3678, 28.5927], device='cuda:0')

test loss from 2 : 6.026973724365234

Output of network: tensor([ 8.9921, 1.8967, 0.0410, 28.4784, 0.7072, 23.5261], device='cuda:0')

Target Values: tensor([13.6489, 0.0000, 0.0000, 27.7395, 0.0000, 26.6615], device='cuda:0')

test loss from 2 : 8.587730407714844

Output of network: tensor([ 2.6072, 0.0972, 22.3867, 0.4456, 21.9953, 3.2235], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 21.4049, 0.0000, 15.5012, 2.0472], device='cuda:0')

test loss from 2 : 19.23552703857422

Output of network: tensor([ 2.3064, 26.2391, 25.6200, -0.1941, 0.9422, 5.2210], device='cuda:0')

Target Values: tensor([ 6.1908, 23.2381, 29.9031, 0.0000, 0.0000, 13.7091], device='cuda:0')

test loss from 2 : 5.171072006225586

Output of network: tensor([-0.3955, 0.3983, 0.3848, 1.0125, 0.2368, 25.2194], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 0.0000, 0.0000, 19.7896], device='cuda:0')

test loss from 2 : 4.534828186035156

Output of network: tensor([ 0.2054, 20.5365, 0.0451, -0.5470, 16.7965, 23.7312], device='cuda:0')

Target Values: tensor([ 0.0000, 17.5983, 0.0000, 0.0000, 20.7390, 25.3712], device='cuda:0')

test loss from 2 : 15.639459609985352

Output of network: tensor([28.6865, 22.1565, 12.6595, 10.3331, 24.8510, 0.4850], device='cuda:0')

Target Values: tensor([37.0022, 22.1885, 12.2686, 15.2326, 25.3906, 0.0000], device='cuda:0')

test loss from 2 : 2.5820226669311523

Output of network: tensor([ 2.7225, 24.6266, 0.1142, 2.9136, 19.2632, 0.4973], device='cuda:0')

Target Values: tensor([ 1.7358, 26.5645, 0.0000, 3.0823, 22.4996, 0.0000], device='cuda:0')

test loss from 2 : 2.257329225540161

Output of network: tensor([27.6548, 1.2123, 5.4134, 2.1243, 3.7540, 16.6823], device='cuda:0')

Target Values: tensor([26.7477, 1.3820, 6.1613, 4.8254, 1.5564, 16.7724], device='cuda:0')

test loss from 2 : 2.0917956829071045

Output of network: tensor([1.2357e-01, 2.4222e+01, 2.4468e-02, 3.7873e-02, 2.5839e+01, 5.0572e-01],

device='cuda:0')

Target Values: tensor([ 0.0000, 20.7238, 0.0000, 0.0000, 26.0357, 0.0000], device='cuda:0')

test loss from 2 : 2.159062385559082

Output of network: tensor([11.6232, 24.9544, -0.0392, 3.2421, 17.5576, 17.9186], device='cuda:0')

Target Values: tensor([10.8272, 25.3581, 0.0000, 0.0000, 17.9064, 16.6842], device='cuda:0')

test loss from 2 : 6.447201728820801

Output of network: tensor([ 7.9218e-01, 1.8874e+01, 2.2060e+00, 1.7804e+01, -3.8735e-03,

4.8206e-01], device='cuda:0')

Target Values: tensor([ 0.0000, 14.3165, 5.8156, 15.7970, 0.0000, 0.0000], device='cuda:0')

Test Loss (mean squared error): 1.579780

Time: 65.31963109970093

Targets: [0.0, 4.625473976135254, 0.0, 0.0, 2.8122808933258057, 0.0, 0.0, 26.58131217956543, 0.0, 0.0, 25.35407829284668, 0.0, 0.0, 0.0, 0.0, 0.0, 5.704381942749023, 0.0, 0.0, 19.5074405670166, 0.0, 6.188823699951172, 0.0, 0.0, 0.0, 0.0, 0.0, 20.38787841796875, 3.4423563480377197, 22.83952522277832, 0.0, 14.258753776550293, 5.633638381958008, 0.0, 0.0, 3.256131887435913, 0.0, 0.0, 0.0, 20.417205810546875, 23.685895919799805, 0.0, 0.0, 0.0, 19.025218963623047, 0.0, 0.0, 0.0, 1.9084807634353638, 0.0, 12.57982349395752, 28.834827423095703, 0.0, 24.366863250732422, 9.697653770446777, 8.821484565734863, 30.951536178588867, 0.0, 0.0, 1.4490602016448975, 21.82504653930664, 27.59294319152832, 0.0, 0.0, 27.08782958984375, 0.4571249783039093, 0.0, 0.5708833336830139, 0.0, 31.60256004333496, 0.0, 0.0, 24.77433967590332, 0.0, 0.0, 3.337989330291748, 0.0, 0.0, 12.833038330078125, 18.39768409729004, 12.084653854370117, 9.870458602905273, 0.0, 24.787616729736328, 11.730280876159668, 2.3906238079071045, 0.0, 0.0, 0.0, 0.0, 8.277902603149414, 0.0, 0.0, 12.153254508972168, 0.0, 4.732433795928955, 18.06385040283203, 0.0, 0.0, 1.8386150598526, 0.0, 0.0, 0.0, 26.06097984313965, 4.696501731872559, 0.0, 0.0, 0.0, 0.0, 0.0, 18.958877563476562, 13.958235740661621, 1.289442777633667, 0.0, 0.0, 9.489514350891113, 0.0, 0.0, 0.0, 0.0, 24.37367057800293, 36.61195373535156, 16.98268699645996, 0.0, 0.0, 0.0, 34.340660095214844, 1.9734359979629517, 14.600977897644043, 28.789323806762695, 6.320696830749512, 0.0, 0.0, 19.01074981689453, 11.495367050170898, 27.819583892822266, 23.554555892944336, 0.0, 7.3560471534729, 19.582305908203125, 28.88697052001953, 22.709152221679688, 34.373111724853516, 10.305721282958984, 0.0, 11.484101295471191, 4.301466464996338, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 29.306880950927734, 0.0, 29.006776809692383, 33.33772659301758, 0.0, 0.0, 17.223228454589844, 1.7956448793411255, 8.110641479492188, 20.636247634887695, 18.297531127929688, 0.0, 0.0, 0.0, 16.389007568359375, 0.0, 17.55769920349121, 27.11406898498535, 19.773820877075195, 20.749675750732422, 16.391223907470703, 15.987812042236328, 0.0, 6.673691749572754, 17.25046157836914, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 18.275684356689453, 2.336890935897827, 0.0, 31.323043823242188, 0.0, 21.657920837402344, 2.7635414600372314, 0.0, 4.11971378326416, 25.82324981689453, 21.65663719177246, 0.0, 6.815938949584961, 0.0, 0.0, 0.0, 0.0, 30.58885383605957, 20.310932159423828, 0.0, 0.0, 0.0, 0.0, 0.0, 3.7228455543518066, 20.046247482299805, 0.0, 1.7065829038619995, 12.708802223205566, 14.538429260253906, 0.0, 24.077333450317383, 0.0, 0.0, 0.0, 37.42487716674805, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 9.49178409576416, 12.826089859008789, 10.634908676147461, 0.0, 11.601969718933105, 22.794742584228516, 2.6840155124664307, 14.639544486999512, 16.595081329345703, 0.9441127181053162, 24.466798782348633, 2.8039181232452393, 0.0, 0.0, 0.0, 22.84789276123047, 3.9710512161254883, 0.0, 13.822629928588867, 31.798009872436523, 0.0, 0.0, 24.407472610473633, 5.411367416381836, 0.0, 0.0, 0.0, 28.964107513427734, 0.5756843090057373, 3.4389092922210693, 0.0, 0.0, 0.0, 16.578271865844727, 20.367921829223633, 0.0, 12.125843048095703, 0.0, 0.0, 33.041072845458984, 25.546998977661133, 39.024391174316406, 10.69770336151123, 0.0, 0.0, 22.079797744750977, 21.483530044555664, 0.0, 0.0, 3.479090452194214, 0.0, 21.313722610473633, 6.649859428405762, 26.36832618713379, 7.67610502243042, 11.258124351501465, 0.0, 5.865456581115723, 0.0, 21.027536392211914, 0.0, 23.21098518371582, 0.0, 6.89630651473999, 0.0, 20.37619400024414, 0.0, 0.0, 29.0778751373291, 22.887449264526367, 0.0, 0.0, 6.086694717407227, 0.0, 0.0, 0.0, 0.0, 8.546485900878906, 0.0, 5.974174499511719, 4.4790825843811035, 0.0, 21.016786575317383, 0.0, 12.7640380859375, 0.0, 0.0, 10.507555961608887, 25.070270538330078, 14.281196594238281, 12.673879623413086, 0.0, 0.4606804847717285, 9.361111640930176, 0.0, 0.0, 0.0, 6.319467544555664, 0.0, 26.501190185546875, 0.21239742636680603, 23.582178115844727, 0.0, 4.491905212402344, 0.0, 18.781513214111328, 0.0, 15.947806358337402, 3.755498170852661, 0.0, 23.45825958251953, 0.0, 0.0, 5.137142658233643, 16.408695220947266, 0.0, 30.5578670501709, 34.40700149536133, 23.02860450744629, 8.436981201171875, 29.392366409301758, 0.0, 21.202871322631836, 0.0, 2.801791191101074, 6.076963901519775, 20.75841522216797, 0.0, 0.0, 6.596311092376709, 26.979473114013672, 22.613494873046875, 37.37516403198242, 26.440166473388672, 24.586776733398438, 29.51647186279297, 0.0, 0.0, 29.563003540039062, 18.079219818115234, 0.0, 11.860149383544922, 0.0, 0.0, 23.537717819213867, 0.0, 21.54416847229004, 24.109806060791016, 14.736454963684082, 0.0, 17.300519943237305, 0.0, 22.232650756835938, 22.91111183166504, 0.0, 7.259642124176025, 12.230229377746582, 26.099224090576172, 0.0, 19.45371437072754, 0.0, 0.0, 0.0, 23.403474807739258, 24.448265075683594, 0.0, 0.0, 0.0, 6.8847126960754395, 0.0, 0.0, 0.0, 0.0, 10.674074172973633, 0.0, 0.0, 0.0, 0.0, 12.950094223022461, 30.658519744873047, 39.27482986450195, 11.764445304870605, 12.517373085021973, 9.321706771850586, 30.02939224243164, 5.655056953430176, 0.0, 2.1680052280426025, 0.0, 32.010196685791016, 0.0, 0.0, 26.503398895263672, 19.46750831604004, 11.432130813598633, 7.078155517578125, 0.0, 9.87836742401123, 0.0, 0.0, 0.0, 0.0, 4.90540075302124, 5.761883735656738, 0.0, 0.0, 0.0, 0.0, 0.0, 3.2967004776000977, 15.840972900390625, 0.0, 0.0, 15.812329292297363, 31.44206428527832, 0.0, 0.0, 20.373327255249023, 0.0, 0.0, 0.0, 4.082330703735352, 26.519590377807617, 0.0, 15.048185348510742, 0.0, 4.39289665222168, 27.365604400634766, 16.585805892944336, 1.8810014724731445, 15.476184844970703, 0.0, 11.239742279052734, 0.0, 0.0, 0.2679012715816498, 0.0, 0.0, 13.829383850097656, 0.0, 0.0, 24.21860122680664, 0.0, 0.0, 16.115283966064453, 0.0, 0.0, 28.54469108581543, 0.0, 0.0, 0.0, 18.957368850708008, 17.989078521728516, 0.0, 0.0, 11.301430702209473, 13.985917091369629, 18.16251564025879, 0.0, 0.0, 0.1757587343454361, 26.984804153442383, 0.2904875874519348, 0.6156094670295715, 0.0, 0.0, 0.0, 23.238082885742188, 22.112327575683594, 11.546295166015625, 17.41546058654785, 0.19365839660167694, 15.070490837097168, 26.89188003540039, 5.561609268188477, 0.0, 0.0, 19.92551612854004, 0.0, 15.90456485748291, 0.0, 0.0, 21.645721435546875, 0.0, 0.0, 26.798694610595703, 21.098461151123047, 0.0, 0.0, 3.203402519226074, 0.0, 8.244868278503418, 30.722455978393555, 19.20431900024414, 26.89808464050293, 12.174592971801758, 0.0, 10.079008102416992, 5.974560260772705, 0.0, 0.0, 0.0, 0.0, 37.11311721801758, 0.0, 31.400135040283203, 0.0, 0.0, 23.473724365234375, 0.0, 0.0, 0.0, 3.4477615356445312, 0.0, 0.0, 16.31560516357422, 15.252936363220215, 32.53419876098633, 18.417476654052734, 0.0, 21.04936981201172, 0.0, 0.0, 23.136455535888672, 0.6954633593559265, 0.0, 17.25147247314453, 0.0, 0.0, 4.1529741287231445, 3.90588641166687, 0.0, 0.0, 0.0, 20.591230392456055, 22.974361419677734, 0.0, 0.0, 0.0, 0.0, 3.895897626876831, 0.0, 0.0, 4.882555961608887, 29.143108367919922, 0.0, 11.891057014465332, 2.853870153427124, 26.927927017211914, 0.0, 3.782196283340454, 25.013338088989258, 20.57210350036621, 0.0, 0.0, 33.43263244628906, 0.0, 6.38021183013916, 0.0, 0.0, 26.420061111450195, 0.0, 0.0, 0.0, 0.0, 7.068995952606201, 0.0, 0.0, 0.0, 5.625835418701172, 32.461395263671875, 20.046459197998047, 28.22076988220215, 0.0, 7.7946319580078125, 0.0, 26.255292892456055, 8.575936317443848, 26.04996681213379, 2.701620101928711, 28.605575561523438, 0.0, 22.203746795654297, 0.0, 20.61748695373535, 17.412508010864258, 0.0, 0.0, 26.090953826904297, 25.737197875976562, 0.0, 0.0, 9.01215934753418, 30.38157844543457, 12.199345588684082, 0.5628116726875305, 16.773088455200195, 36.788414001464844, 29.070886611938477, 0.0, 23.28983497619629, 0.0, 30.660398483276367, 28.41526222229004, 0.0, 2.0918240547180176, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 2.8895485401153564, 2.5909059047698975, 25.601411819458008, 9.548186302185059, 5.822909832000732, 25.396350860595703, 20.57442855834961, 0.0, 18.66110610961914, 21.903884887695312, 0.0, 0.9214037656784058, 0.0, 8.097376823425293, 0.0, 0.0, 0.122006855905056, 0.0, 9.821550369262695, 3.341815233230591, 0.0, 19.679780960083008, 24.265724182128906, 2.764082908630371, 7.80256462097168, 17.12299346923828, 25.103599548339844, 0.0, 0.0, 0.0, 0.0, 22.966928482055664, 0.0, 24.46343231201172, 1.0597991943359375, 2.0472190380096436, 1.2060625553131104, 0.0, 0.0, 19.40517807006836, 0.0, 0.0, 0.0, 0.0, 20.001747131347656, 0.0, 0.0, 0.0, 21.74326515197754, 0.0, 31.26923370361328, 0.0, 0.0, 0.0, 0.0, 3.6308040618896484, 29.298248291015625, 0.0, 14.124945640563965, 1.0260157585144043, 23.835737228393555, 11.480326652526855, 13.114127159118652, 0.0, 0.0, 11.685470581054688, 0.0, 0.0, 0.0, 23.534595489501953, 3.413165807723999, 0.0, 0.0, 26.011001586914062, 0.0, 3.5906083583831787, 0.0, 4.949591159820557, 0.0, 14.467582702636719, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 30.616241455078125, 0.0, 1.390926718711853, 22.21462059020996, 0.0, 2.75294828414917, 23.627107620239258, 0.0, 0.0, 19.64930534362793, 11.253009796142578, 0.0, 18.78251075744629, 9.26121997833252, 22.03832244873047, 0.0, 23.366100311279297, 0.0, 20.74310874938965, 0.0, 0.0, 0.0, 0.0, 2.5224602222442627, 0.0, 27.32060432434082, 28.57187271118164, 18.37361717224121, 0.0, 0.0, 0.0, 4.364546298980713, 36.982093811035156, 19.9953556060791, 0.0, 0.0, 20.724393844604492, 32.4124641418457, 0.0, 19.353940963745117, 0.0, 34.705848693847656, 5.769472122192383, 0.0, 0.0, 0.0, 8.995094299316406, 5.968781471252441, 0.0, 0.0, 0.0, 0.0, 23.223983764648438, 8.37937068939209, 0.0, 20.056840896606445, 0.0, 25.058300018310547, 0.0, 4.203821659088135, 6.222775936126709, 0.0, 21.614200592041016, 24.245710372924805, 4.481075763702393, 25.240230560302734, 0.0, 0.0, 0.0, 0.0, 4.667707443237305, 0.0, 0.0, 0.0, 23.954448699951172, 0.0, 19.758440017700195, 3.1793973445892334, 5.198227882385254, 15.709881782531738, 24.478166580200195, 4.559268951416016, 5.053464889526367, 0.0, 0.0, 12.762420654296875, 8.830431938171387, 0.0, 18.550151824951172, 0.0, 20.486143112182617, 0.6539857983589172, 0.0, 0.0, 4.476764678955078, 26.450817108154297, 0.0, 11.262924194335938, 4.438248634338379, 0.0, 21.976146697998047, 0.0, 0.0, 15.238632202148438, 16.68623161315918, 19.154178619384766, 2.769202947616577, 3.342219591140747, 0.0, 25.75722885131836, 5.781191349029541, 14.256315231323242, 0.0, 8.093527793884277, 4.971364498138428, 0.0, 0.0, 0.0, 0.0, 0.0, 26.984840393066406, 0.0, 0.0, 4.914266586303711, 22.14697265625, 0.0, 12.778059959411621, 35.20736312866211, 0.0, 39.095680236816406, 0.0, 5.876185894012451, 19.582509994506836, 21.863222122192383, 20.72736930847168, 0.0, 23.071971893310547, 14.985360145568848, 0.0, 0.0, 0.0, 23.633487701416016, 22.274703979492188, 3.120039939880371, 2.846501111984253, 30.474546432495117, 0.0, 18.310375213623047, 0.0, 9.0946626663208, 8.28044319152832, 0.0, 0.0, 25.895366668701172, 0.0, 13.6969575881958, 11.514023780822754, 7.493156909942627, 0.0, 0.4219038784503937, 24.59397315979004, 0.0, 0.0, 0.0, 0.0, 0.0, 14.168108940124512, 0.0, 23.9766902923584, 0.0, 0.0, 0.0, 0.0, 0.0, 12.325943946838379, 0.0, 18.031871795654297, 0.0, 0.0, 0.5298995971679688, 0.0, 0.0, 0.0, 0.0, 0.0, 17.087549209594727, 0.0, 0.0, 0.0, 0.0, 16.008333206176758, 1.1474521160125732, 0.0, 27.07797622680664, 0.0, 24.679832458496094, 0.0, 0.0, 14.862929344177246, 0.0, 0.0, 3.0597007274627686, 16.362031936645508, 17.020700454711914, 31.844058990478516, 0.0, 0.0, 0.0, 0.0, 0.0, 25.36111068725586, 24.54705238342285, 7.046504497528076, 0.0, 0.0, 31.915206909179688, 0.0, 31.362226486206055, 0.0, 16.953338623046875, 0.0, 0.0, 17.651168823242188, 25.999889373779297, 0.0, 0.0, 0.0, 0.0, 5.250865459442139, 9.765396118164062, 0.0, 26.30866813659668, 20.241374969482422, 10.090057373046875, 13.993707656860352, 0.0, 0.0, 0.0, 0.0, 0.0, 15.4898042678833, 9.623557090759277, 26.964197158813477, 0.0, 25.990400314331055, 0.0, 0.0, 0.0, 24.833295822143555, 3.6716408729553223, 0.0, 0.0, 3.7004361152648926, 0.0, 29.22330093383789, 0.0, 28.97279930114746, 21.09634017944336, 13.718525886535645, 2.674311876296997, 17.767988204956055, 0.0, 5.739048480987549, 0.0, 0.921360969543457, 21.911039352416992, 0.0, 24.36302947998047, 26.4300479888916, 15.623526573181152, 0.0, 22.872821807861328, 0.0, 0.0, 0.0, 0.0, 18.28547477722168, 15.08975601196289, 0.0, 9.974788665771484, 0.0, 0.0, 0.0, 0.0, 0.0, 2.73685884475708, 26.625532150268555, 21.59990882873535, 20.033845901489258, 22.70469093322754, 0.0, 39.616641998291016, 7.187087059020996, 22.728172302246094, 7.563492774963379, 26.030927658081055, 2.8355228900909424, 12.286561012268066, 26.789091110229492, 22.255239486694336, 22.90315055847168, 5.887447834014893, 14.958285331726074, 0.0, 16.624649047851562, 29.245609283447266, 8.746894836425781, 8.419578552246094, 5.106347560882568, 17.77991485595703, 0.0, 0.0, 2.4372618198394775, 0.0, 10.395623207092285, 0.0, 2.5414841175079346, 0.0, 0.0, 0.0, 16.911039352416992, 0.0, 9.686631202697754, 0.0, 0.0, 0.0, 27.451637268066406, 2.7241880893707275, 0.0, 0.0, 0.0, 9.48983383178711, 18.309608459472656, 0.0, 0.0, 0.0, 0.0, 38.25822830200195, 10.531352043151855, 0.0, 3.606135606765747, 23.72096061706543, 6.910502910614014, 0.0, 0.0, 27.51682472229004, 0.0, 0.0, 0.0, 15.478986740112305, 0.0, 22.720434188842773, 0.0, 6.0402421951293945, 0.0, 0.0, 7.723442554473877, 0.0, 0.0, 19.162212371826172, 0.0, 0.0, 0.0, 0.0, 14.522468566894531, 24.01516342163086, 11.752718925476074, 0.0, 25.132247924804688, 0.0, 0.0, 31.944215774536133, 15.520535469055176, 13.137317657470703, 16.74028205871582, 19.187440872192383, 0.0, 0.0, 0.0, 18.68638038635254, 20.53047752380371, 6.092044830322266, 14.946477890014648, 0.0, 0.0, 19.60078239440918, 0.0, 0.0, 1.2457748651504517, 0.0, 38.07001495361328, 8.466301918029785, 26.16562843322754, 24.87326431274414, 9.655570030212402, 15.305924415588379, 1.047020435333252, 0.0, 15.803077697753906, 0.0, 0.0, 26.283771514892578, 1.0899763107299805, 7.6306281089782715, 14.843421936035156, 0.0, 0.0, 12.195123672485352, 0.0, 0.0, 0.0, 20.290624618530273, 0.0, 0.0, 0.0, 4.052430152893066, 26.98604393005371, 16.621347427368164, 0.0, 3.2024035453796387, 0.0, 30.936283111572266, 0.0, 8.734960556030273, 21.73015785217285, 12.180883407592773, 0.0, 1.1928303241729736, 0.0, 0.0, 18.739261627197266, 0.0, 0.0, 23.975662231445312, 0.0, 0.0, 0.0, 0.0, 24.123796463012695, 0.0, 18.0472412109375, 0.0, 32.118350982666016, 0.0, 22.04524803161621, 2.8463363647460938, 12.390153884887695, 17.2191219329834, 0.0, 0.0, 14.34107494354248, 0.0, 27.489694595336914, 0.0, 0.0, 14.556686401367188, 0.0, 10.212004661560059, 0.0, 13.709609031677246, 18.632410049438477, 0.0, 0.0, 3.75262713432312, 14.278475761413574, 28.45189666748047, 4.518922328948975, 27.592660903930664, 0.0, 0.0, 0.0, 12.202552795410156, 0.0, 1.1377218961715698, 0.0, 0.0, 0.0, 11.302022933959961, 0.0, 5.673094749450684, 0.0, 20.128398895263672, 22.23607063293457, 0.0, 0.0, 0.0, 23.233278274536133, 20.405012130737305, 0.0, 6.025716781616211, 34.036582946777344, 0.0, 0.0, 23.179994583129883, 19.922576904296875, 0.0, 8.65353775024414, 19.082063674926758, 21.354413986206055, 0.0, 7.17258358001709, 0.0, 4.79641056060791, 25.708892822265625, 19.753969192504883, 0.0, 31.381179809570312, 0.0, 1.4206806421279907, 5.881656646728516, 24.284582138061523, 7.303946495056152, 3.551701545715332, 7.988003253936768, 0.0, 3.5601062774658203, 0.0, 0.0, 30.334228515625, 0.6960579752922058, 4.270461559295654, 0.0, 0.0, 10.706298828125, 21.488710403442383, 7.391188144683838, 25.512184143066406, 28.921300888061523, 27.3599853515625, 0.8037038445472717, 0.0, 19.077646255493164, 19.122838973999023, 0.0, 0.0, 0.0, 28.561561584472656, 0.0, 7.941384315490723, 0.0, 0.0, 0.0, 29.367809295654297, 28.59274673461914, 13.648947715759277, 0.0, 0.0, 27.73948097229004, 0.0, 26.66152000427246, 0.0, 0.0, 21.404949188232422, 0.0, 15.501182556152344, 2.0471603870391846, 6.190762996673584, 23.238075256347656, 29.903121948242188, 0.0, 0.0, 13.709123611450195, 0.0, 0.0, 0.0, 0.0, 0.0, 19.789640426635742, 0.0, 17.59834098815918, 0.0, 0.0, 20.738983154296875, 25.371192932128906, 37.00224685668945, 22.1884765625, 12.268624305725098, 15.2326021194458, 25.39063835144043, 0.0, 1.7357615232467651, 26.564477920532227, 0.0, 3.0822856426239014, 22.499608993530273, 0.0, 26.74766731262207, 1.3820414543151855, 6.16129207611084, 4.825353145599365, 1.5563955307006836, 16.772356033325195, 0.0, 20.72379493713379, 0.0, 0.0, 26.035690307617188, 0.0, 10.827173233032227, 25.358121871948242, 0.0, 0.0, 17.906381607055664, 16.684228897094727, 0.0, 14.316471099853516, 5.815621852874756, 15.797043800354004, 0.0, 0.0]

Outputs [-0.05238187313079834, 2.925884246826172, 0.6142350435256958, -0.062293410301208496, 4.0288896560668945, 0.9925782680511475, -0.07339680194854736, 20.219327926635742, -0.8472200632095337, -0.12636268138885498, 26.820703506469727, 0.5356060266494751, 0.12476217746734619, 0.22220289707183838, 0.24461519718170166, 0.3066030740737915, 5.084661960601807, 0.5683761835098267, 0.504191517829895, 29.26156234741211, 0.953821063041687, 2.9364194869995117, 0.6294773817062378, 0.42936158180236816, 0.41865456104278564, -0.04381513595581055, -0.15443885326385498, 22.169103622436523, 5.807431697845459, 13.152923583984375, -0.10095345973968506, 12.006128311157227, 7.599341869354248, 0.2832432985305786, 0.5689860582351685, 4.609760761260986, 1.5565751791000366, 0.3864232301712036, 0.5647144317626953, 20.278844833374023, 31.867137908935547, -0.2690490484237671, 0.319577693939209, 0.47601401805877686, 18.003095626831055, 0.33708441257476807, 0.06924891471862793, 0.2689632177352905, 2.577401638031006, 0.20073330402374268, 6.554242134094238, 22.936603546142578, 0.02914297580718994, 19.177024841308594, 7.039382457733154, 9.312861442565918, 23.936498641967773, 1.3580015897750854, 0.7386289834976196, 0.6796277761459351, 16.78714370727539, 25.955780029296875, 0.46638214588165283, -0.04860126972198486, 24.957134246826172, 0.7241169214248657, 0.03648245334625244, 0.01863265037536621, 1.0932728052139282, 27.4121150970459, 0.5822471380233765, 0.25090491771698, 23.243209838867188, -0.20751726627349854, 0.4566553831100464, 3.6103992462158203, 0.7787762880325317, 0.5410269498825073, 3.847647190093994, 15.41202163696289, 18.359954833984375, 2.810162305831909, 0.8973545432090759, 21.2777156829834, 10.204662322998047, 2.2471120357513428, -0.056096673011779785, 0.4162372350692749, 0.44108617305755615, 0.2514258623123169, 10.069912910461426, 0.3235882520675659, 0.3337804079055786, 12.264470100402832, 1.774582028388977, 4.739910125732422, 17.75028419494629, -0.09204590320587158, -0.33320462703704834, 0.9991336464881897, 1.0106983184814453, 0.285366415977478, 0.8780542016029358, 26.474374771118164, 1.8475803136825562, 0.5404642820358276, 0.014984726905822754, 0.2174135446548462, 0.3041890859603882, 1.3255733251571655, 18.64598846435547, 19.860942840576172, 0.8532315492630005, 0.15763938426971436, -0.18933403491973877, 14.172404289245605, 3.0600426197052, 0.21216249465942383, 1.872985601425171, 0.6884603500366211, 28.841867446899414, 31.809429168701172, 10.083292007446289, 2.327393054962158, 0.03194093704223633, 1.4423890113830566, 29.571956634521484, 5.681415557861328, 13.421857833862305, 27.92763328552246, 4.782577991485596, -0.43221724033355713, 0.36093366146087646, 17.61198616027832, 10.605719566345215, 22.846830368041992, 22.96320152282715, 0.05163395404815674, 7.645456314086914, 27.27882957458496, 24.86856460571289, 23.779081344604492, 34.09619903564453, 2.9114532470703125, 0.022142648696899414, 3.5944814682006836, 4.711091041564941, 0.914848268032074, 0.09414923191070557, 0.3096303939819336, 0.09348499774932861, 0.04990684986114502, 0.17845499515533447, 24.182466506958008, 0.13262593746185303, 27.119312286376953, 23.14992332458496, 0.24168944358825684, 0.5255597829818726, 18.28510856628418, 1.87417733669281, 5.757214546203613, 15.811193466186523, 16.786970138549805, 1.8059250116348267, 0.17948269844055176, 0.08413398265838623, 13.261848449707031, 0.7366906404495239, 21.539081573486328, 22.45740509033203, 19.094051361083984, 17.307334899902344, 9.149434089660645, 19.10654067993164, 2.3709259033203125, 8.147357940673828, 20.258440017700195, 0.8865483999252319, 0.10322320461273193, 0.3193395137786865, 0.6690812110900879, 0.36204540729522705, 0.23987579345703125, 2.570493221282959, 16.28630828857422, 1.7462514638900757, -0.2639058828353882, 26.242746353149414, 0.36557793617248535, 20.16204261779785, 1.9026408195495605, -0.4059954881668091, 6.672978401184082, 28.8051700592041, 16.984703063964844, 0.8387565612792969, 22.187015533447266, 1.081038475036621, 0.13004803657531738, -0.1469498872756958, 0.5219440460205078, 28.086271286010742, 19.383907318115234, 0.6325057744979858, 0.9970933794975281, 0.14394676685333252, -0.16953766345977783, 0.9239112734794617, 14.496538162231445, 23.36048698425293, 0.7731388807296753, 1.94154953956604, 10.603907585144043, 14.651416778564453, -0.014402031898498535, 16.506868362426758, 1.1450681686401367, 0.5311391353607178, 1.7844042778015137, 25.379867553710938, 0.4033801555633545, 0.4026522636413574, 0.7034388780593872, -0.03177058696746826, 0.844016432762146, 0.4218841791152954, 1.3079103231430054, 1.7449357509613037, 7.423739433288574, 11.497296333312988, -0.1875368356704712, 8.637847900390625, 23.402774810791016, 4.375004291534424, 10.899066925048828, 17.69092559814453, 3.3373823165893555, 26.388919830322266, 4.660794258117676, 0.4208686351776123, 0.2035897970199585, -0.1667271852493286, 23.77271270751953, 2.4864509105682373, -0.11334800720214844, 13.756073951721191, 28.440671920776367, 2.852088689804077, 1.2216856479644775, 16.966411590576172, 3.3806967735290527, 0.12324368953704834, 0.6100432872772217, 0.6764603853225708, 25.057544708251953, 0.7607368230819702, 3.0328798294067383, 1.2885328531265259, 4.490075588226318, 1.449954628944397, 11.99940299987793, 15.292901992797852, 0.5634565353393555, 17.427268981933594, 0.17821776866912842, 0.3324697017669678, 28.37746238708496, 26.77120590209961, 29.2329044342041, 10.224883079528809, 0.3688722848892212, -0.339502215385437, 18.953685760498047, 14.832338333129883, -0.06405031681060791, 0.8538153171539307, 7.410866737365723, 0.15225732326507568, 32.847190856933594, 23.948986053466797, 23.982051849365234, 10.0003080368042, 7.43414831161499, 0.026885628700256348, 9.37926197052002, 0.39365673065185547, 23.539546966552734, 0.3805224895477295, 24.707731246948242, -0.5388990640640259, 1.94553542137146, 0.5792635679244995, 24.62003517150879, 0.4574319124221802, 3.5519161224365234, 30.14344596862793, 26.729732513427734, 0.8796566724777222, 0.14804553985595703, 8.639002799987793, 0.34391164779663086, 0.5994203090667725, 0.19290554523468018, 0.6685289144515991, 7.858743190765381, 0.23596131801605225, 6.744347095489502, 1.9528765678405762, 1.7618218660354614, 22.733436584472656, 0.12734532356262207, 10.97378158569336, 0.32577669620513916, 0.4961889982223511, 10.58884048461914, 26.462093353271484, 3.684934139251709, 11.355264663696289, 0.30399906635284424, 0.7527593374252319, 4.054720401763916, 0.4351990222930908, 0.06320691108703613, 0.36764228343963623, 10.448711395263672, 0.7115449905395508, 26.14719581604004, 0.9155083894729614, 23.22968864440918, 1.3635408878326416, 6.380091190338135, 0.16645848751068115, 16.582820892333984, 0.22741305828094482, 1.6481432914733887, 2.7162041664123535, 0.2837001085281372, 18.736469268798828, 0.6425591707229614, 0.35907161235809326, 0.828995943069458, 9.426167488098145, 0.5801737308502197, 26.603702545166016, 22.616943359375, 21.416471481323242, 7.1273956298828125, 24.25670623779297, 2.550900459289551, 21.22934341430664, 0.5405728816986084, 2.2831993103027344, 1.1514042615890503, 18.777315139770508, 0.4510437250137329, -0.06522762775421143, 2.6413514614105225, 23.918228149414062, 22.158832550048828, 29.162681579589844, 24.58975601196289, 20.688987731933594, 25.38060760498047, 0.506364107131958, 0.7389265298843384, 28.983722686767578, 25.642271041870117, -0.007918119430541992, 7.751262187957764, -0.383672833442688, 1.2225923538208008, 21.424665451049805, 0.4552035331726074, 21.563720703125, 19.94805335998535, 13.665628433227539, 0.6859947443008423, 11.692978858947754, 0.7776459455490112, 23.978336334228516, 13.11766529083252, 0.8408118486404419, 6.337512969970703, 10.458285331726074, 27.904159545898438, 0.43694519996643066, 16.162656784057617, 1.1049505472183228, 0.2331937551498413, 1.601645588874817, 23.310060501098633, 21.990766525268555, 1.756659984588623, 0.18180668354034424, 0.13378441333770752, 8.788392066955566, 0.762588620185852, 0.05800795555114746, 0.7306145429611206, 0.39588630199432373, 6.319460391998291, 0.3581641912460327, -0.4262806177139282, 1.141448736190796, -0.08037424087524414, 4.872574329376221, 26.891931533813477, 26.76057243347168, 10.497245788574219, 10.5685453414917, 6.321569442749023, 24.87954330444336, 1.4937667846679688, 2.8311729431152344, 2.617506980895996, 2.253936529159546, 27.586084365844727, 1.928039312362671, 0.332064151763916, 27.967241287231445, 13.688182830810547, 7.266748905181885, 6.436435699462891, 0.04100906848907471, 3.5344371795654297, 0.5165112018585205, 1.7502247095108032, 0.35787999629974365, 0.17038071155548096, 4.846827507019043, 9.460384368896484, -0.042220234870910645, -0.07758915424346924, 0.45439112186431885, 2.7065865993499756, 0.3527265787124634, 11.585165977478027, 18.536218643188477, 0.5681887865066528, 0.9317328333854675, 10.019893646240234, 20.792247772216797, -0.2983943223953247, 0.3195406198501587, 19.661195755004883, 1.2707066535949707, 0.2835969924926758, 0.8441195487976074, 7.566943168640137, 29.836612701416016, -0.2760428190231323, 17.09126853942871, 1.7221546173095703, 4.1815667152404785, 21.375568389892578, 16.577564239501953, 2.490773916244507, 14.519781112670898, 0.044609785079956055, 8.71875286102295, 0.11760163307189941, 1.0518683195114136, 4.9766459465026855, 0.081748366355896, 0.02657186985015869, 11.922404289245605, 0.6511520147323608, 1.1125574111938477, 25.186450958251953, 0.12977087497711182, 0.8458855152130127, 7.51373291015625, -0.11635100841522217, 0.8505932092666626, 28.592498779296875, 0.44653022289276123, 0.09617435932159424, 1.0084172487258911, 20.874126434326172, 13.630599975585938, -0.06843602657318115, -0.27566730976104736, 2.8075501918792725, 2.9581432342529297, 19.21677017211914, -0.027183175086975098, 0.21764075756072998, 4.795015811920166, 32.08536911010742, 2.2941808700561523, 0.5559042692184448, 1.2313330173492432, 0.6683744192123413, 0.2940807342529297, 23.935529708862305, 15.618896484375, 7.606136322021484, 16.290679931640625, 2.9704952239990234, 21.699758529663086, 22.812572479248047, 5.229143142700195, 0.6779934167861938, 0.18246400356292725, 22.268335342407227, -0.08410346508026123, 12.936151504516602, 0.6913002729415894, 0.6070730686187744, 19.844532012939453, -0.23202979564666748, 0.4141882658004761, 26.03964614868164, 22.853981018066406, 0.41343629360198975, 0.2083263397216797, 0.9198389053344727, 0.5044866800308228, 2.0483226776123047, 28.313928604125977, 20.551307678222656, 22.999107360839844, 15.01806926727295, 0.9044989347457886, 7.710995197296143, 7.861501216888428, 0.4703540802001953, 1.7883031368255615, 0.4735386371612549, 0.717131495475769, 31.805192947387695, -0.35351884365081787, 25.442808151245117, 0.6848541498184204, -0.2071467638015747, 22.892051696777344, -0.08443629741668701, 0.44240236282348633, 1.7000032663345337, 3.7838234901428223, 0.20324277877807617, 0.27224791049957275, 21.605632781982422, 17.97162437438965, 22.991893768310547, 19.469688415527344, 0.36030685901641846, 22.397289276123047, 0.1548771858215332, -0.067047119140625, 26.538610458374023, 0.8354995250701904, 1.0276925563812256, 18.466890335083008, 1.3054299354553223, 4.928014755249023, 3.211557388305664, 4.130265712738037, 0.5273325443267822, 1.3760740756988525, 0.07537806034088135, 19.467023849487305, 13.729671478271484, 0.37085771560668945, 0.21824979782104492, 0.6105979681015015, 2.4478118419647217, 5.583630561828613, -0.01821279525756836, -0.1793891191482544, 2.4256927967071533, 23.38637924194336, 0.3250192403793335, 12.153217315673828, 5.075334072113037, 18.0766544342041, -0.04963696002960205, 3.9575891494750977, 26.568513870239258, 15.104718208312988, 0.7684522867202759, 0.01064002513885498, 31.354692459106445, 0.8413339853286743, 7.7714362144470215, 0.6471878290176392, 2.5037708282470703, 17.41444969177246, -0.503740668296814, 0.6687167882919312, 1.1977311372756958, 0.45561063289642334, 6.525284290313721, 0.042976975440979004, 0.9530172348022461, 0.15629541873931885, 6.313907146453857, 30.82345199584961, 17.54757308959961, 25.59341812133789, -0.2894679307937622, 4.512302398681641, 0.48104774951934814, 23.67704200744629, 3.634925365447998, 29.527263641357422, 1.2788112163543701, 27.707170486450195, 1.0963224172592163, 24.217920303344727, 0.08534002304077148, 20.654218673706055, 15.52121639251709, 0.31196630001068115, 0.3451523780822754, 21.535648345947266, 30.164051055908203, 1.0326831340789795, 0.8481941223144531, 4.7418437004089355, 29.516775131225586, 11.224721908569336, 1.5270198583602905, 12.551310539245605, 29.76669692993164, 30.9638729095459, 1.510705828666687, 19.956850051879883, 0.5253473520278931, 21.514102935791016, 30.910511016845703, 0.1362849473953247, 1.2544760704040527, -0.0352858304977417, 0.40838801860809326, 0.2155686616897583, 1.2365622520446777, 0.5071226358413696, 0.2937434911727905, 0.6805610656738281, 2.6778597831726074, 2.3939881324768066, 29.5090274810791, 9.87614631652832, 1.241011381149292, 30.600954055786133, 24.11995506286621, 1.2919421195983887, 14.370387077331543, 21.127756118774414, 0.44862329959869385, 2.202840805053711, -0.23664820194244385, 5.4743852615356445, 1.7588176727294922, 0.5946954488754272, 0.8777008056640625, 0.05628502368927002, 3.5762596130371094, 1.0921447277069092, 0.40424561500549316, 18.137250900268555, 18.608877182006836, 1.6924035549163818, 8.032639503479004, 12.255508422851562, 30.487995147705078, 1.1578432321548462, 0.23441290855407715, 0.6598042249679565, 1.7304989099502563, 19.367929458618164, 0.5524688959121704, 22.665199279785156, 5.08396577835083, 3.8765487670898438, 1.4835259914398193, 0.7523516416549683, 0.7652348279953003, 18.34491729736328, 0.21435129642486572, 0.4064692258834839, 0.7943614721298218, 1.2924911975860596, 16.430030822753906, 1.0615389347076416, 0.3118102550506592, 0.627519965171814, 22.94137954711914, 0.7577053308486938, 31.159225463867188, 1.045928716659546, -0.16091978549957275, 0.05100679397583008, 2.120418071746826, 2.7080957889556885, 24.52369499206543, 0.5532411336898804, 12.749065399169922, 0.454410195350647, 24.034875869750977, 6.796362400054932, 12.806647300720215, 2.406721591949463, 0.5774229764938354, 9.733824729919434, 0.2666870355606079, -0.10058248043060303, 1.81771981716156, 22.85931968688965, 2.416400909423828, -0.05728626251220703, 1.7226974964141846, 26.280670166015625, 0.16243791580200195, 2.338911533355713, 0.22623348236083984, 6.494045734405518, 0.5167849063873291, 6.914002895355225, 0.31161069869995117, 0.4518648386001587, 0.33699679374694824, 0.6303520202636719, 0.7739204168319702, -0.02407670021057129, 0.574781060218811, 26.693218231201172, 0.5990415811538696, 1.1408812999725342, 21.95005226135254, 0.9479954242706299, 3.069429397583008, 23.458541870117188, 0.16125214099884033, 1.543807029724121, 19.4384822845459, 11.926836013793945, -0.19071638584136963, 13.961930274963379, 8.25871753692627, 23.668588638305664, 0.08242654800415039, 24.214853286743164, -0.02409183979034424, 19.69554328918457, 3.323742389678955, 0.40489351749420166, 0.4583209753036499, 0.5828782320022583, 2.13749098777771, 0.9944450855255127, 23.435630798339844, 32.3959846496582, 19.151384353637695, 0.820098876953125, 0.8849664926528931, 0.14789187908172607, 4.277341842651367, 31.306591033935547, 18.604713439941406, 0.3500007390975952, 1.6578415632247925, 20.21067237854004, 24.874549865722656, 0.28596818447113037, 18.95999526977539, 0.02567899227142334, 32.178558349609375, 2.2725467681884766, -0.026965022087097168, 0.9348971843719482, 0.03188049793243408, 5.412200927734375, 2.828399419784546, -0.19025194644927979, 0.7406891584396362, 0.5916441679000854, 1.483903169631958, 30.883533477783203, 6.1332855224609375, 0.20905530452728271, 15.408408164978027, 0.9806864261627197, 23.689699172973633, 2.094660997390747, 3.665072441101074, 4.410717964172363, 0.17971158027648926, 29.860332489013672, 23.572187423706055, 5.850273132324219, 21.499256134033203, 1.423539161682129, 0.1943145990371704, 0.37375175952911377, 0.8874696493148804, 4.42411994934082, 0.18393361568450928, -0.4196082353591919, -0.04353320598602295, 21.440763473510742, 1.408066987991333, 20.839872360229492, 3.4581139087677, 1.3714797496795654, 9.70573616027832, 26.074928283691406, 4.929194450378418, 5.210705280303955, 0.454142689704895, 1.1001936197280884, 13.056503295898438, 10.115458488464355, 2.0827980041503906, 14.104573249816895, 0.29273271560668945, 20.035024642944336, 7.169970989227295, 0.2145756483078003, 1.0081819295883179, 1.3588883876800537, 24.572999954223633, 0.8399639129638672, 7.1290740966796875, 7.144855976104736, 0.2096632719039917, 25.886058807373047, 0.06531453132629395, 0.2172609567642212, 19.75257682800293, 9.291716575622559, 18.262081146240234, 2.557335376739502, 5.591751575469971, -0.1637502908706665, 22.83408546447754, 3.653196334838867, 11.325606346130371, 0.012500286102294922, 13.606816291809082, 6.05917501449585, 1.018007755279541, 0.2768951654434204, -0.10517871379852295, 1.285151481628418, 1.8764548301696777, 22.933977127075195, 0.4936326742172241, -0.21981632709503174, 7.197973728179932, 20.49390983581543, 0.705541729927063, 9.738703727722168, 30.73404884338379, 0.048291802406311035, 29.301729202270508, 1.7528934478759766, 1.869210958480835, 19.299673080444336, 21.67618179321289, 20.522245407104492, 1.3093092441558838, 22.597375869750977, 6.500635147094727, 0.6745429039001465, 1.1490095853805542, 0.402521014213562, 25.720054626464844, 23.545616149902344, 1.5178571939468384, 0.738370418548584, 23.477876663208008, 1.1828798055648804, 16.831750869750977, -0.0015181303024291992, 11.937411308288574, 3.1610989570617676, 0.3506540060043335, 0.5258594751358032, 15.436409950256348, 0.19414150714874268, 9.32144832611084, 12.015353202819824, 9.649521827697754, -0.13024747371673584, 2.050414800643921, 24.742412567138672, 0.465701699256897, 1.2992985248565674, 0.604124903678894, 0.2221912145614624, 0.5073062181472778, 12.734894752502441, 0.5947418212890625, 30.95758628845215, 0.05611741542816162, 0.5387355089187622, -0.09347474575042725, 0.5754344463348389, 0.5464153289794922, 9.250110626220703, 1.0512856245040894, 18.359451293945312, 0.5337487459182739, -0.22222459316253662, 1.5637121200561523, 0.34174370765686035, 0.9305019974708557, 0.9754729270935059, 0.3158010244369507, 1.0278244018554688, 10.416717529296875, 0.7489330768585205, -0.6507190465927124, 0.4779573678970337, 0.33557796478271484, 11.165018081665039, 4.7689528465271, -0.02594125270843506, 30.264690399169922, 0.6467505693435669, 25.08934783935547, 0.3788086175918579, 0.6555233001708984, 9.678361892700195, 1.1414750814437866, 0.41412341594696045, 1.4908252954483032, 11.20497989654541, 15.879467964172363, 29.796245574951172, 0.330330491065979, 2.9494400024414062, 0.8400965929031372, 0.26994597911834717, 1.7084147930145264, 20.43552589416504, 27.29722023010254, 7.897611618041992, 0.9602010846138, 0.10564100742340088, 27.048795700073242, 0.2991604804992676, 22.898006439208984, 0.8886739611625671, 14.227822303771973, 0.16289663314819336, 0.42636096477508545, 14.510558128356934, 22.69573211669922, 0.4980109930038452, 0.726172924041748, -0.400882363319397, 0.5591138601303101, 6.805006980895996, 6.64430570602417, -0.2593649625778198, 27.388538360595703, 23.382999420166016, 10.060592651367188, 8.310102462768555, 0.1665879487991333, 0.4020789861679077, 0.3208101987838745, 0.1345595121383667, 0.11594283580780029, 14.580316543579102, 7.742711067199707, 28.566667556762695, 0.22377026081085205, 25.241411209106445, 1.5991833209991455, 0.19389796257019043, 1.9303922653198242, 11.286643028259277, 1.0799593925476074, 0.36123907566070557, 1.4238193035125732, 2.1338577270507812, 0.062388062477111816, 26.00481414794922, 1.1003776788711548, 26.974151611328125, 20.17342758178711, 14.85848331451416, 2.4978508949279785, 22.67441749572754, 0.7928651571273804, 4.71489953994751, 0.4779423475265503, 0.6668426990509033, 15.471797943115234, 1.0873382091522217, 17.40875816345215, 28.6568546295166, 16.64706802368164, 0.5200964212417603, 27.597591400146484, 0.21975553035736084, 0.41461706161499023, 1.4945874214172363, 0.5531376600265503, 16.59687614440918, 12.317758560180664, 0.3114081621170044, 25.064655303955078, 0.6459029912948608, 0.012824654579162598, 1.0315885543823242, 0.5195547342300415, 0.4472217559814453, 3.4547555446624756, 27.12285041809082, 34.810882568359375, 17.740819931030273, 5.7639288902282715, 0.707100510597229, 30.661462783813477, 1.8896484375, 23.938854217529297, 4.779884338378906, 25.533536911010742, 1.3273882865905762, 5.235062122344971, 21.458160400390625, 22.38359832763672, 21.883481979370117, 2.455625057220459, 16.353918075561523, 2.2429656982421875, 21.689109802246094, 28.922420501708984, 4.853070259094238, 4.744616508483887, 6.99627685546875, 14.292243957519531, 0.42603611946105957, 0.20496129989624023, 0.6147866249084473, -0.21629154682159424, 2.4244751930236816, 1.323452353477478, 2.9088006019592285, 0.29138410091400146, 1.3238531351089478, 0.7608851194381714, 18.265769958496094, 0.3744499683380127, 9.23872184753418, 0.8142349720001221, 0.5429881811141968, 0.7740112543106079, 24.991416931152344, 3.325863838195801, 0.11124932765960693, 0.7046564817428589, 0.9225003719329834, 9.443977355957031, 11.755001068115234, 0.4348636865615845, -0.09955465793609619, 0.14033114910125732, -0.003641366958618164, 30.298065185546875, 6.246337413787842, 0.2501300573348999, 4.71834659576416, 27.0615234375, 7.515200614929199, 1.3054473400115967, 0.04371917247772217, 26.881418228149414, 0.9232635498046875, 0.32598888874053955, 0.5795383453369141, 6.344144821166992, 2.263118028640747, 27.181087493896484, 0.31531572341918945, 4.641384601593018, 0.34272491931915283, 0.302005410194397, 6.305731773376465, -0.13017094135284424, 0.07233977317810059, 9.33462905883789, 0.6778502464294434, 2.5010907649993896, 0.20586884021759033, 0.31442809104919434, 9.738736152648926, 19.507190704345703, 10.65102481842041, 1.555154800415039, 22.11772346496582, -0.08341729640960693, 0.016006827354431152, 22.095369338989258, 20.289642333984375, 10.799284934997559, 19.241552352905273, 20.57680892944336, 4.386054515838623, 0.37539494037628174, 0.717077374458313, 23.53598976135254, 20.04070281982422, 4.179173946380615, 12.117349624633789, 0.07765066623687744, 1.0999244451522827, 17.81009864807129, 0.321952223777771, 0.9032325744628906, 0.9462717175483704, 0.32412075996398926, 29.469968795776367, 5.228514194488525, 22.675745010375977, 25.15427017211914, 14.283851623535156, 9.05231761932373, 1.9337694644927979, 0.08920347690582275, 26.80906105041504, 0.20068705081939697, 0.055467963218688965, 21.630599975585938, 4.37924337387085, 4.033980369567871, 20.417020797729492, 0.07132649421691895, 0.49755990505218506, 8.890181541442871, 0.5029629468917847, 5.402968883514404, 0.2775195837020874, 22.612720489501953, 0.1709223985671997, 0.22886383533477783, 0.5020351409912109, 0.8527711033821106, 25.306982040405273, 19.163373947143555, 0.24592149257659912, 1.9867582321166992, 0.047824859619140625, 25.68820571899414, 0.19843220710754395, 8.281620025634766, 24.824731826782227, 13.379751205444336, 0.21415412425994873, 1.3581953048706055, 1.1263554096221924, 0.31776416301727295, 18.50279426574707, 1.1759345531463623, -0.13817083835601807, 22.907947540283203, 0.7640269994735718, 1.6869851350784302, 0.9324765205383301, 0.1861027479171753, 21.63283348083496, 0.4930485486984253, 18.491313934326172, 0.18258631229400635, 25.920654296875, 1.5523302555084229, 23.806447982788086, 4.191527843475342, 13.0654878616333, 15.63886547088623, 0.15930306911468506, 0.18345165252685547, 11.530467987060547, 0.393222451210022, 23.418771743774414, 3.624250888824463, -0.2050076723098755, 16.712055206298828, 0.9931340217590332, 13.41269302368164, 0.3529707193374634, 14.497900009155273, 18.24700164794922, 0.5988526344299316, 1.1991826295852661, 2.654550313949585, 19.5911865234375, 29.608339309692383, 1.5054279565811157, 23.505537033081055, 0.45845091342926025, 0.8315564393997192, 0.15996968746185303, 5.173901081085205, 1.823790192604065, 1.1625566482543945, -0.13895189762115479, 0.8629887104034424, -0.4592040777206421, 13.578780174255371, 0.15266156196594238, 2.6350021362304688, 1.1939988136291504, 12.24713134765625, 24.315677642822266, 0.376554012298584, 0.03517866134643555, -0.11216318607330322, 22.890642166137695, 18.318801879882812, 0.21728193759918213, 7.903872966766357, 27.121135711669922, 1.3015410900115967, 0.022237300872802734, 19.610877990722656, 20.795581817626953, 0.32534754276275635, 7.519457817077637, 18.136516571044922, 16.46806526184082, 2.6536569595336914, 4.72900390625, 2.520346164703369, 9.042069435119629, 22.001739501953125, 15.855683326721191, 0.3344449996948242, 28.04874038696289, 1.1149379014968872, 0.859855592250824, 6.2354655265808105, 28.089447021484375, 3.1003384590148926, 2.535961151123047, 4.272974491119385, 2.9539923667907715, 4.925856113433838, 0.41639506816864014, 0.13415753841400146, 27.57327651977539, 0.9491442441940308, 2.8374462127685547, 0.45849549770355225, 0.22270989418029785, 11.973957061767578, 20.989822387695312, 1.1874414682388306, 20.20499038696289, 15.319958686828613, 25.685422897338867, 2.414213180541992, 0.18985331058502197, 13.400229454040527, 14.423233985900879, 0.24946379661560059, 0.9151461720466614, -0.03741586208343506, 30.26460838317871, -0.2730973958969116, 6.738896369934082, -0.03861391544342041, 2.1586458683013916, -0.14494526386260986, 23.247644424438477, 30.748292922973633, 8.992132186889648, 1.896655559539795, 0.040995001792907715, 28.478418350219727, 0.7071961164474487, 23.526113510131836, 2.6071584224700928, 0.09718167781829834, 22.38673210144043, 0.4455810785293579, 21.99529266357422, 3.2234907150268555, 2.306377649307251, 26.239055633544922, 25.62002944946289, -0.19409573078155518, 0.9421756267547607, 5.220980167388916, -0.395548939704895, 0.39828813076019287, 0.38479912281036377, 1.012546420097351, 0.23675811290740967, 25.219369888305664, 0.2054382562637329, 20.5365047454834, 0.045107126235961914, -0.5469976663589478, 16.796499252319336, 23.731212615966797, 28.686546325683594, 22.156482696533203, 12.659504890441895, 10.333050727844238, 24.850994110107422, 0.48501789569854736, 2.7225303649902344, 24.62662696838379, 0.11424922943115234, 2.913623332977295, 19.26319694519043, 0.49728643894195557, 27.654830932617188, 1.2122881412506104, 5.413356781005859, 2.1243486404418945, 3.753955841064453, 16.68230438232422, 0.12357437610626221, 24.222204208374023, 0.024467825889587402, 0.037873268127441406, 25.838590621948242, 0.5057212114334106, 11.623228073120117, 24.954423904418945, -0.03920471668243408, 3.2420544624328613, 17.5576229095459, 17.918575286865234, 0.7921817302703857, 18.87360954284668, 2.2059812545776367, 17.803592681884766, -0.003873467445373535, 0.482063889503479]

# June

Epoch #: 1

Epoch: 1 Training Loss: 79.429621 Validation Loss: 80.160649

Validation loss decreased (inf --> 80.160649). Saving model ...

Time: 204.58811211585999

Current Time = 16:43:36

LR: 0.001

Epoch #: 2

Epoch: 2 Training Loss: 63.451603 Validation Loss: 50.819130

Validation loss decreased (80.160649 --> 50.819130). Saving model ...

Time: 215.68605613708496

Current Time = 16:47:11

LR: 0.001

Epoch #: 3

Epoch: 3 Training Loss: 55.735953 Validation Loss: 48.736096

Validation loss decreased (50.819130 --> 48.736096). Saving model ...

Time: 214.5344521999359

Current Time = 16:50:46

LR: 0.001

Epoch #: 4

Epoch: 4 Training Loss: 48.975554 Validation Loss: 38.416374

Validation loss decreased (48.736096 --> 38.416374). Saving model ...

Time: 247.7824215888977

Current Time = 16:54:54

LR: 0.001

Epoch #: 5

Epoch: 5 Training Loss: 41.981964 Validation Loss: 34.801089

Validation loss decreased (38.416374 --> 34.801089). Saving model ...

Time: 232.58549213409424

Current Time = 16:58:46

LR: 0.001

Epoch #: 6

Epoch: 6 Training Loss: 36.734398 Validation Loss: 31.263980

Validation loss decreased (34.801089 --> 31.263980). Saving model ...

Time: 231.1658811569214

Current Time = 17:02:38

LR: 0.001

Epoch #: 7

Epoch: 7 Training Loss: 33.365164 Validation Loss: 31.008719

Validation loss decreased (31.263980 --> 31.008719). Saving model ...

Time: 215.83303999900818

Current Time = 17:06:13

LR: 0.001

Epoch #: 8

Epoch: 8 Training Loss: 30.662785 Validation Loss: 27.444076

Validation loss decreased (31.008719 --> 27.444076). Saving model ...

Time: 230.5757098197937

Current Time = 17:10:04

LR: 0.001

Epoch #: 9

Epoch: 9 Training Loss: 29.022194 Validation Loss: 27.121884

Validation loss decreased (27.444076 --> 27.121884). Saving model ...

Time: 202.31102514266968

Current Time = 17:13:26

LR: 0.001

Epoch #: 10

Epoch: 10 Training Loss: 28.114073 Validation Loss: 25.319412

Validation loss decreased (27.121884 --> 25.319412). Saving model ...

Time: 199.27292561531067

Current Time = 17:16:46

LR: 0.001

Epoch #: 11

Epoch: 11 Training Loss: 26.878512 Validation Loss: 29.915406

Time: 199.61663126945496

Current Time = 17:20:05

LR: 0.001

Epoch #: 12

Epoch: 12 Training Loss: 25.944129 Validation Loss: 22.862594

Validation loss decreased (25.319412 --> 22.862594). Saving model ...

Time: 213.95333170890808

Current Time = 17:23:39

LR: 0.001

Epoch #: 13

Epoch: 13 Training Loss: 25.366390 Validation Loss: 22.048209

Validation loss decreased (22.862594 --> 22.048209). Saving model ...

Time: 202.47616124153137

Current Time = 17:27:02

LR: 0.001

Epoch #: 14

Epoch: 14 Training Loss: 23.899592 Validation Loss: 22.287484

Time: 187.35435461997986

Current Time = 17:30:09

LR: 0.001

Epoch #: 15

Epoch: 15 Training Loss: 23.216621 Validation Loss: 24.860236

Time: 162.13699173927307

Current Time = 17:32:51

LR: 0.001

Epoch #: 16

Epoch: 16 Training Loss: 23.172457 Validation Loss: 22.875729

Time: 162.2526831626892

Current Time = 17:35:33

LR: 0.001

Epoch #: 17

Epoch: 17 Training Loss: 22.462479 Validation Loss: 20.406254

Validation loss decreased (22.048209 --> 20.406254). Saving model ...

Time: 162.25863337516785

Current Time = 17:38:16

LR: 0.001

Epoch #: 18

Epoch: 18 Training Loss: 21.341909 Validation Loss: 19.647981

Validation loss decreased (20.406254 --> 19.647981). Saving model ...

Time: 161.7938895225525

Current Time = 17:40:58

LR: 0.001

Epoch #: 19

Epoch: 19 Training Loss: 21.067167 Validation Loss: 19.805997

Time: 162.45562434196472

Current Time = 17:43:40

LR: 0.001

Epoch #: 20

Epoch: 20 Training Loss: 20.595126 Validation Loss: 19.605724

Validation loss decreased (19.647981 --> 19.605724). Saving model ...

Time: 168.01274728775024

Current Time = 17:46:28

LR: 0.001

Epoch #: 21

Epoch: 21 Training Loss: 20.659702 Validation Loss: 19.677922

Time: 165.00579977035522

Current Time = 17:49:13

LR: 0.001

Epoch #: 22

Epoch: 22 Training Loss: 20.337143 Validation Loss: 20.578168

Time: 166.29037618637085

Current Time = 17:51:59

LR: 0.001

Epoch #: 23

Epoch: 23 Training Loss: 19.983228 Validation Loss: 22.442009

Time: 167.0892186164856

Current Time = 17:54:46

LR: 0.001

Epoch #: 24

Epoch: 24 Training Loss: 19.874835 Validation Loss: 17.490380

Validation loss decreased (19.605724 --> 17.490380). Saving model ...

Time: 180.94714093208313

Current Time = 17:57:47

LR: 0.001

Epoch #: 25

Epoch: 25 Training Loss: 19.774179 Validation Loss: 17.444704

Validation loss decreased (17.490380 --> 17.444704). Saving model ...

Time: 177.5179193019867

Current Time = 18:00:45

LR: 0.001

Epoch #: 26

Epoch: 26 Training Loss: 20.036230 Validation Loss: 20.321241

Time: 195.5840129852295

Current Time = 18:04:01

LR: 0.001

Epoch #: 27

Epoch: 27 Training Loss: 17.785015 Validation Loss: 20.779259

Time: 200.66702485084534

Current Time = 18:07:21

LR: 0.001

Epoch #: 28

Epoch: 28 Training Loss: 18.909195 Validation Loss: 17.288466

Validation loss decreased (17.444704 --> 17.288466). Saving model ...

Time: 180.9769675731659

Current Time = 18:10:22

LR: 0.001

Epoch #: 29

Epoch: 29 Training Loss: 18.727040 Validation Loss: 20.768669

Time: 202.06482315063477

Current Time = 18:13:44

LR: 0.001

Epoch #: 30

Epoch: 30 Training Loss: 18.321348 Validation Loss: 17.026518

Validation loss decreased (17.288466 --> 17.026518). Saving model ...

Time: 187.20946264266968

Current Time = 18:16:51

LR: 0.001

Epoch #: 31

Epoch: 31 Training Loss: 18.391005 Validation Loss: 20.363334

Time: 199.25000166893005

Current Time = 18:20:11

LR: 0.001

Epoch #: 32

Epoch: 32 Training Loss: 18.176901 Validation Loss: 28.546279

Time: 198.1424834728241

Current Time = 18:23:29

LR: 0.001

Epoch #: 33

Epoch: 33 Training Loss: 17.701300 Validation Loss: 16.434182

Validation loss decreased (17.026518 --> 16.434182). Saving model ...

Time: 198.29440641403198

Current Time = 18:26:47

LR: 0.001

Epoch #: 34

Epoch: 34 Training Loss: 17.867878 Validation Loss: 16.180255

Validation loss decreased (16.434182 --> 16.180255). Saving model ...

Time: 186.55569767951965

Current Time = 18:29:54

LR: 0.001

Epoch #: 35

Epoch: 35 Training Loss: 16.567390 Validation Loss: 16.399656

Time: 193.81929230690002

Current Time = 18:33:08

LR: 0.001

Epoch #: 36

Epoch: 36 Training Loss: 17.521131 Validation Loss: 17.315504

Time: 197.35254311561584

Current Time = 18:36:25

LR: 0.001

Epoch #: 37

Epoch: 37 Training Loss: 16.808840 Validation Loss: 16.500381

Time: 182.22228837013245

Current Time = 18:39:27

LR: 0.001

Epoch #: 38

Epoch: 38 Training Loss: 17.129452 Validation Loss: 16.673150

Time: 189.14322590827942

Current Time = 18:42:36

LR: 0.001

Epoch #: 39

Epoch: 39 Training Loss: 16.059616 Validation Loss: 15.905236

Validation loss decreased (16.180255 --> 15.905236). Saving model ...

Time: 197.72640824317932

Current Time = 18:45:54

LR: 0.001

Epoch #: 40

Epoch: 40 Training Loss: 16.307925 Validation Loss: 17.821448

Time: 217.9832353591919

Current Time = 18:49:32

LR: 0.001

Epoch #: 41

Epoch: 41 Training Loss: 16.198841 Validation Loss: 14.980419

Validation loss decreased (15.905236 --> 14.980419). Saving model ...

Time: 200.78871870040894

Current Time = 18:52:53

LR: 0.0009699999999999999

Epoch #: 42

Epoch: 42 Training Loss: 16.005235 Validation Loss: 15.502885

Time: 214.9708366394043

Current Time = 18:56:28

LR: 0.0009408999999999999

Epoch #: 43

Epoch: 43 Training Loss: 16.367226 Validation Loss: 15.758375

Time: 203.75387382507324

Current Time = 18:59:52

LR: 0.0009126729999999999

Epoch #: 44

Epoch: 44 Training Loss: 15.366343 Validation Loss: 15.819361

Time: 187.8068151473999

Current Time = 19:02:59

LR: 0.0008852928099999999

Epoch #: 45

Epoch: 45 Training Loss: 15.772541 Validation Loss: 16.391643

Time: 198.92200326919556

Current Time = 19:06:18

LR: 0.0008587340256999998

Epoch #: 46

Epoch: 46 Training Loss: 15.311579 Validation Loss: 15.063842

Time: 217.78619050979614

Current Time = 19:09:56

LR: 0.0008329720049289999

Epoch #: 47

Epoch: 47 Training Loss: 14.895835 Validation Loss: 14.669614

Validation loss decreased (14.980419 --> 14.669614). Saving model ...

Time: 220.95381879806519

Current Time = 19:13:37

LR: 0.0008079828447811299

Epoch #: 48

Epoch: 48 Training Loss: 15.165708 Validation Loss: 16.406274

Time: 222.8682096004486

Current Time = 19:17:20

LR: 0.0007837433594376959

Epoch #: 49

Epoch: 49 Training Loss: 14.531478 Validation Loss: 15.431578

Time: 192.44914412498474

Current Time = 19:20:33

LR: 0.000760231058654565

Epoch #: 50

Epoch: 50 Training Loss: 13.464906 Validation Loss: 14.824253

Time: 170.68160843849182

Current Time = 19:23:23

LR: 0.000737424126894928

Epoch #: 51

Epoch: 51 Training Loss: 14.199490 Validation Loss: 16.430753

Time: 166.63142371177673

Current Time = 19:26:10

LR: 0.0007153014030880802

Epoch #: 52

Epoch: 52 Training Loss: 13.175243 Validation Loss: 14.092790

Validation loss decreased (14.669614 --> 14.092790). Saving model ...

Time: 166.2105474472046

Current Time = 19:28:56

LR: 0.0006938423609954377

Epoch #: 53

Epoch: 53 Training Loss: 13.189432 Validation Loss: 14.226371

Time: 166.7770619392395

Current Time = 19:31:43

LR: 0.0006730270901655745

Epoch #: 54

Epoch: 54 Training Loss: 13.094018 Validation Loss: 14.694552

Time: 167.28622436523438

Current Time = 19:34:30

LR: 0.0006528362774606073

Epoch #: 55

Epoch: 55 Training Loss: 13.275230 Validation Loss: 15.066425

Time: 163.4968364238739

Current Time = 19:37:14

LR: 0.0006332511891367891

Epoch #: 56

Epoch: 56 Training Loss: 12.244736 Validation Loss: 13.408120

Validation loss decreased (14.092790 --> 13.408120). Saving model ...

Time: 163.34075474739075

Current Time = 19:39:57

LR: 0.0006142536534626854

Epoch #: 57

Epoch: 57 Training Loss: 12.645360 Validation Loss: 12.932775

Validation loss decreased (13.408120 --> 12.932775). Saving model ...

Time: 163.14578437805176

Current Time = 19:42:40

LR: 0.0005958260438588048

Epoch #: 58

Epoch: 58 Training Loss: 11.917220 Validation Loss: 13.946641

Time: 162.99217581748962

Current Time = 19:45:23

LR: 0.0005779512625430406

Epoch #: 59

Epoch: 59 Training Loss: 12.111106 Validation Loss: 14.327272

Time: 163.23654675483704

Current Time = 19:48:06

LR: 0.0005606127246667494

Epoch #: 60

Epoch: 60 Training Loss: 12.483176 Validation Loss: 14.499645

Time: 164.04786944389343

Current Time = 19:50:50

LR: 0.0005437943429267469

Epoch #: 61

Epoch: 61 Training Loss: 12.609697 Validation Loss: 13.406498

Time: 163.64345335960388

Current Time = 19:53:34

LR: 0.0005274805126389445

Epoch #: 62

Epoch: 62 Training Loss: 11.858791 Validation Loss: 13.135329

Time: 162.8281283378601

Current Time = 19:56:17

LR: 0.0005116560972597762

Epoch #: 63

Epoch: 63 Training Loss: 11.384963 Validation Loss: 14.078139

Time: 162.6386218070984

Current Time = 19:59:00

LR: 0.0004963064143419829

Epoch #: 64

Epoch: 64 Training Loss: 11.357061 Validation Loss: 12.988129

Time: 162.53291416168213

Current Time = 20:01:42

LR: 0.00048141722191172336

Epoch #: 65

Epoch: 65 Training Loss: 11.634639 Validation Loss: 12.486987

Validation loss decreased (12.932775 --> 12.486987). Saving model ...

Time: 162.45711541175842

Current Time = 20:04:25

LR: 0.00046697470525437166

Epoch #: 66

Epoch: 66 Training Loss: 11.037434 Validation Loss: 13.517089

Time: 162.65210127830505

Current Time = 20:07:07

LR: 0.0004529654640967405

Epoch #: 67

Epoch: 67 Training Loss: 11.097177 Validation Loss: 12.917388

Time: 163.6810438632965

Current Time = 20:09:51

LR: 0.0004393765001738382

Epoch #: 68

Epoch: 68 Training Loss: 10.806115 Validation Loss: 12.685843

Time: 162.62965369224548

Current Time = 20:12:34

LR: 0.00042619520516862307

Epoch #: 69

Epoch: 69 Training Loss: 11.152177 Validation Loss: 13.351309

Time: 162.67702174186707

Current Time = 20:15:16

LR: 0.00041340934901356436

Epoch #: 70

Epoch: 70 Training Loss: 10.635567 Validation Loss: 14.200188

Time: 162.72590517997742

Current Time = 20:17:59

LR: 0.0004010070685431574

Epoch #: 71

Epoch: 71 Training Loss: 10.216087 Validation Loss: 12.540617

Time: 162.85893487930298

Current Time = 20:20:42

LR: 0.0003889768564868627

Epoch #: 72

Epoch: 72 Training Loss: 10.870414 Validation Loss: 14.003628

Time: 163.14727306365967

Current Time = 20:23:25

LR: 0.0003773075507922568

Epoch #: 73

Epoch: 73 Training Loss: 10.163497 Validation Loss: 13.882361

Time: 163.4230375289917

Current Time = 20:26:08

LR: 0.0003659883242684891

Epoch #: 74

Epoch: 74 Training Loss: 10.583355 Validation Loss: 12.783978

Time: 163.24401450157166

Current Time = 20:28:52

LR: 0.00035500867454043444

Epoch #: 75

Epoch: 75 Training Loss: 10.158443 Validation Loss: 12.131634

Validation loss decreased (12.486987 --> 12.131634). Saving model ...

Time: 162.99667382240295

Current Time = 20:31:35

LR: 0.0003443584143042214

Epoch #: 76

Epoch: 76 Training Loss: 10.031471 Validation Loss: 12.937888

Time: 162.96575617790222

Current Time = 20:34:18

LR: 0.00033402766187509475

Epoch #: 77

Epoch: 77 Training Loss: 10.208745 Validation Loss: 12.467044

Time: 162.68900108337402

Current Time = 20:37:00

LR: 0.0003240068320188419

Epoch #: 78

Epoch: 78 Training Loss: 10.233967 Validation Loss: 12.303135

Time: 163.5352327823639

Current Time = 20:39:44

LR: 0.00031428662705827666

Epoch #: 79

Epoch: 79 Training Loss: 9.978725 Validation Loss: 12.873493

Time: 163.7556438446045

Current Time = 20:42:28

LR: 0.00030485802824652835

Epoch #: 80

Epoch: 80 Training Loss: 10.275241 Validation Loss: 12.684967

Time: 163.33128333091736

Current Time = 20:45:11

LR: 0.0002957122873991325

Operation Complete

[79.42962110233101, 63.45160276436651, 55.73595342625809, 48.975553995586495, 41.981964152034365, 36.73439780533571, 33.365163877825246, 30.6627849558131, 29.022193942079017, 28.11407262107466, 26.87851155686713, 25.944129000060244, 25.36638997587864, 23.899591809993943, 23.21662133933401, 23.172457140413783, 22.46247877545542, 21.341909496669636, 21.067167317468197, 20.59512627942741, 20.659701883773568, 20.337142874026917, 19.983227834620436, 19.874835081279407, 19.774179056714857, 20.036229949423614, 17.785014920596428, 18.90919499835623, 18.72704003862735, 18.32134835540476, 18.391004635126492, 18.176900724432638, 17.701299528420357, 17.867877651332652, 16.567390177703057, 17.521131136633667, 16.80883975511107, 17.129451729012874, 16.05961638472926, 16.307924575411732, 16.198841160954203, 16.00523512809181, 16.367226181457678, 15.366342547677506, 15.772540873845891, 15.311578969004087, 14.895834901703614, 15.165707833933006, 14.53147784419374, 13.464906202222886, 14.19949034563151, 13.175243158599857, 13.189431523620181, 13.094018334549395, 13.275230177561099, 12.24473604219875, 12.64536047772249, 11.91722027142864, 12.111106396480976, 12.483176214204494, 12.609697265404861, 11.858790762213985, 11.384962732822798, 11.357061334234334, 11.634638739803698, 11.037433609926417, 11.097177147388972, 10.806115115384046, 11.152176995105542, 10.635566822099891, 10.216086939192873, 10.870413944942648, 10.163496995538667, 10.583354828028776, 10.15844302740648, 10.031471110632559, 10.208744602903048, 10.23396705152149, 9.978724904046203, 10.27524117928473]

[80.16064889488682, 50.81912959415105, 48.736096002401844, 38.41637391044247, 34.801088931459574, 31.26397976375395, 31.008719015025324, 27.44407590911273, 27.121883586770103, 25.31941187513932, 29.915406209506816, 22.862594079917237, 22.048208653085656, 22.287483741529286, 24.86023600940262, 22.875728899072254, 20.406254015802855, 19.64798119219561, 19.80599656011609, 19.60572386668214, 19.677921835092768, 20.578167533501983, 22.44200910976337, 17.490380165677877, 17.44470407378169, 20.321241128483727, 20.779258938025563, 17.288465501079635, 20.76866946850092, 17.026517628196387, 20.36333368813634, 28.546279231627143, 16.43418196660857, 16.18025455632878, 16.39965578952744, 17.315504322098867, 16.500381021955683, 16.673149717445934, 15.90523597408807, 17.821447583215853, 14.980418780750986, 15.502885368682685, 15.758375310369077, 15.819361323580868, 16.39164331660516, 15.06384159797322, 14.669613852556195, 16.40627398766998, 15.431578342953037, 14.824253070558752, 16.430752782721914, 14.092789951591723, 14.226370565315348, 14.694552262253579, 15.066425406036057, 13.408120024844163, 12.93277487651475, 13.94664086755966, 14.327272232231353, 14.499645483890369, 13.406497709122636, 13.135328818277847, 14.078139428620137, 12.988129025760797, 12.486986819098913, 13.517088821368112, 12.917388305312112, 12.6858428024777, 13.351308562642624, 14.200187841099837, 12.540617309172728, 14.00362808264852, 13.882360508124675, 12.783978326636698, 12.131634092116128, 12.937888147910275, 12.467043624034211, 12.303134866869978, 12.873492559147698, 12.684967475432542]

[1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80]

[0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.0009699999999999999, 0.0009408999999999999, 0.0009126729999999999, 0.0008852928099999999, 0.0008587340256999998, 0.0008329720049289999, 0.0008079828447811299, 0.0007837433594376959, 0.000760231058654565, 0.000737424126894928, 0.0007153014030880802, 0.0006938423609954377, 0.0006730270901655745, 0.0006528362774606073, 0.0006332511891367891, 0.0006142536534626854, 0.0005958260438588048, 0.0005779512625430406, 0.0005606127246667494, 0.0005437943429267469, 0.0005274805126389445, 0.0005116560972597762, 0.0004963064143419829, 0.00048141722191172336, 0.00046697470525437166, 0.0004529654640967405, 0.0004393765001738382, 0.00042619520516862307, 0.00041340934901356436, 0.0004010070685431574, 0.0003889768564868627, 0.0003773075507922568, 0.0003659883242684891, 0.00035500867454043444, 0.0003443584143042214, 0.00033402766187509475, 0.0003240068320188419, 0.00031428662705827666, 0.00030485802824652835, 0.0002957122873991325]

test loss from 0 : 45.161048889160156

Output of network: tensor([11.8490, 25.3466, 35.7471, 0.1510, -0.1294, 0.0867], device='cuda:0')

Target Values: tensor([13.3801, 41.4532, 32.7216, 0.0000, 0.0000, 0.0000], device='cuda:0')

loss from this run: 45.161048889160156

Output 1 : 11.84898567199707

Output 2 : 25.346643447875977

Output 3 : 35.747108459472656

Target 1 : 13.380105018615723

Target 2 : 41.45320510864258

Target 3 : 32.72161865234375

test loss from 1 : 14.287694931030273

Output of network: tensor([29.0701, 2.2353, 30.2345, 28.1085, 10.8397, 13.4994], device='cuda:0')

Target Values: tensor([25.7424, 0.0000, 30.3137, 30.2620, 15.2761, 20.2322], device='cuda:0')

loss from this run: 14.287694931030273

Output 1 : 29.070079803466797

Output 2 : 2.2353498935699463

Output 3 : 30.234516143798828

Output 4 : 28.108457565307617

Output 5 : 10.83968734741211

Output 6 : 13.499429702758789

Target 1 : 25.742427825927734

Target 3 : 30.3137264251709

Target 4 : 30.261980056762695

Target 5 : 15.27610969543457

Target 6 : 20.232210159301758

test loss from 2 : 19.84512710571289

Output of network: tensor([ 3.4000e-01, 1.7704e+00, 5.4994e+00, -8.5611e-03, 2.4377e+01,

-3.8970e-01], device='cuda:0')

Target Values: tensor([ 0.0000, 1.9402, 8.5981, 0.0000, 34.8259, 0.0000], device='cuda:0')

test loss from 2 : 6.226202964782715

Output of network: tensor([ 0.1590, 0.0609, 0.0391, 11.9389, 0.5741, 28.9103], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 14.9665, 0.0000, 23.6349], device='cuda:0')

test loss from 2 : 10.477599143981934

Output of network: tensor([29.6453, -0.0817, 0.2852, 20.9811, 0.2029, -0.3600], device='cuda:0')

Target Values: tensor([36.0451, 0.0000, 0.0000, 16.3282, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 0.10199177265167236

Output of network: tensor([-0.0556, 0.3137, 0.4763, 0.4572, 0.2697, 0.0434], device='cuda:0')

Target Values: tensor([0., 0., 0., 0., 0., 0.], device='cuda:0')

test loss from 2 : 18.64468765258789

Output of network: tensor([ 0.3069, 28.4222, 41.2214, 13.9433, 0.5799, 31.7041], device='cuda:0')

Target Values: tensor([ 0.0000, 34.2829, 32.9403, 11.1653, 1.1335, 30.7952], device='cuda:0')

test loss from 2 : 8.301132202148438

Output of network: tensor([ 0.2429, 0.3755, 4.8377, 0.1741, 24.9106, 0.7947], device='cuda:0')

Target Values: tensor([ 0.0000, 0.9133, 6.5057, 0.0000, 28.7949, 6.4123], device='cuda:0')

test loss from 2 : 7.1790995597839355

Output of network: tensor([ 0.0344, 6.1910, 0.1776, 0.2865, 21.8429, 0.3628], device='cuda:0')

Target Values: tensor([ 0.0000, 10.7921, 0.0000, 0.0000, 26.4967, 0.0000], device='cuda:0')

test loss from 2 : 24.37715721130371

Output of network: tensor([ 0.1749, 0.2378, 27.8275, 0.3423, 0.6930, 0.3152], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 39.8890, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 14.820755004882812

Output of network: tensor([ 0.3240, 27.0046, 22.8613, 0.6164, 31.6849, 25.0727], device='cuda:0')

Target Values: tensor([ 0.0000, 35.6362, 25.1618, 0.0000, 32.9141, 22.4022], device='cuda:0')

test loss from 2 : 13.205400466918945

Output of network: tensor([ 0.2357, 27.2040, 32.8851, 0.2818, 30.0663, 5.8036], device='cuda:0')

Target Values: tensor([ 0.0000, 26.2494, 31.4558, 0.0000, 28.7866, 14.4352], device='cuda:0')

test loss from 2 : 3.187753677368164

Output of network: tensor([21.5270, 0.1232, 34.1109, 0.4907, 0.1502, 0.3390], device='cuda:0')

Target Values: tensor([17.2681, 0.0000, 33.3402, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 59.325592041015625

Output of network: tensor([27.8078, 0.3172, 27.2952, 0.0335, 0.7605, 14.7328], device='cuda:0')

Target Values: tensor([25.7396, 0.0000, 25.1576, 0.0000, 0.0000, 33.3453], device='cuda:0')

test loss from 2 : 2.3058581352233887

Output of network: tensor([28.0385, 0.3803, 35.7104, 1.5885, 0.3802, 0.2264], device='cuda:0')

Target Values: tensor([25.1703, 0.0000, 33.4613, 2.0466, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 13.635523796081543

Output of network: tensor([31.4411, 1.4578, 0.1583, 0.3149, -0.6620, 25.6169], device='cuda:0')

Target Values: tensor([22.5800, 0.0000, 0.0000, 0.0000, 0.0000, 24.8374], device='cuda:0')

test loss from 2 : 3.110527515411377

Output of network: tensor([ 0.1766, 0.2936, 25.2532, 0.2885, 0.0514, 21.8457], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 24.5887, 0.0000, 0.0000, 26.0905], device='cuda:0')

test loss from 2 : 0.9695850610733032

Output of network: tensor([-6.9535e-02, 1.9257e-01, 3.4026e-01, -1.2046e-03, 1.3431e+01,

2.5902e+01], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 0.0000, 15.6855, 26.6628], device='cuda:0')

test loss from 2 : 2.2183032035827637

Output of network: tensor([ 0.1195, 19.6055, 21.1054, 18.4278, 0.4851, 0.2799], device='cuda:0')

Target Values: tensor([ 0.0000, 18.4130, 20.4139, 21.7567, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 3.267317295074463

Output of network: tensor([ 8.0703, 11.3735, 0.1185, 0.7324, 23.5587, -0.0422], device='cuda:0')

Target Values: tensor([ 6.7678, 15.3377, 0.0000, 0.0000, 24.8396, 0.0000], device='cuda:0')

test loss from 2 : 53.729881286621094

Output of network: tensor([25.1892, 3.0909, 32.5323, 25.9743, 11.7683, 0.4241], device='cuda:0')

Target Values: tensor([23.5699, 10.4489, 17.2217, 31.5391, 12.0032, 0.0000], device='cuda:0')

test loss from 2 : 0.5194090604782104

Output of network: tensor([ 0.1508, 0.2952, 29.5834, 0.9215, 0.2587, 20.7641], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 28.1015, 0.2223, 0.0000, 20.2593], device='cuda:0')

test loss from 2 : 11.317453384399414

Output of network: tensor([25.4606, 26.3942, 25.3119, 0.3882, 12.8363, 19.5359], device='cuda:0')

Target Values: tensor([26.6046, 31.5905, 25.6005, 0.0000, 19.1071, 19.7265], device='cuda:0')

test loss from 2 : 0.491129606962204

Output of network: tensor([ 2.4996e-01, 1.5963e-01, 2.8635e+01, 2.6238e-01, 1.7382e-02,

-1.0878e-01], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 30.3016, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 5.344684600830078

Output of network: tensor([ 0.1409, 29.6365, 13.7184, 0.6426, 21.8174, 5.0621], device='cuda:0')

Target Values: tensor([ 0.0000, 33.9092, 11.0366, 0.0000, 20.6929, 7.2808], device='cuda:0')

test loss from 2 : 20.017467498779297

Output of network: tensor([31.7359, 42.1171, -0.0466, 0.2682, 0.1977, 23.9843], device='cuda:0')

Target Values: tensor([23.2446, 42.8092, 0.0000, 0.0000, 0.0000, 30.8699], device='cuda:0')

test loss from 2 : 11.451949119567871

Output of network: tensor([22.6434, 0.0745, 16.4305, 0.4372, 20.4755, 24.1369], device='cuda:0')

Target Values: tensor([15.8690, 0.0000, 17.6378, 0.0000, 19.0797, 28.5205], device='cuda:0')

test loss from 2 : 0.4875108599662781

Output of network: tensor([-0.0530, 0.2190, 0.2595, -0.1483, 0.1125, 30.0661], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 0.0000, 0.0000, 28.4011], device='cuda:0')

test loss from 2 : 11.267664909362793

Output of network: tensor([24.2648, 0.4701, 29.7212, 1.4075, 22.6785, -0.3794], device='cuda:0')

Target Values: tensor([29.9072, 0.0000, 31.4018, 0.0000, 28.2100, 0.0000], device='cuda:0')

test loss from 2 : 16.407024383544922

Output of network: tensor([38.2813, -0.1897, 12.2092, 0.2926, 24.4253, 27.2392], device='cuda:0')

Target Values: tensor([45.7737, 0.0000, 13.8297, 0.0000, 30.6255, 28.2954], device='cuda:0')

test loss from 2 : 68.23059844970703

Output of network: tensor([27.6924, 0.6883, 20.4862, 0.4819, 0.2674, -0.0562], device='cuda:0')

Target Values: tensor([ 7.6043, 0.0000, 22.7380, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 21.325855255126953

Output of network: tensor([15.5852, 36.3972, 4.2916, 0.1186, 35.7392, 22.4450], device='cuda:0')

Target Values: tensor([ 8.5462, 38.0578, 3.0356, 0.0000, 38.4420, 30.6152], device='cuda:0')

test loss from 2 : 1.4127254486083984

Output of network: tensor([27.8101, 0.2999, 0.2714, 11.7055, 0.3863, 6.4586], device='cuda:0')

Target Values: tensor([25.9402, 0.0000, 0.0000, 11.0897, 0.0000, 4.3879], device='cuda:0')

test loss from 2 : 29.519271850585938

Output of network: tensor([13.2152, 25.3017, -0.4232, 0.0957, 9.6447, 5.3104], device='cuda:0')

Target Values: tensor([14.6832, 13.2205, 0.0000, 0.0000, 10.8148, 10.5497], device='cuda:0')

test loss from 2 : 0.7218310832977295

Output of network: tensor([4.4908e-01, 4.5111e-02, 2.2135e+01, 1.6675e-02, 2.0764e+01, 6.8021e-01],

device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 21.2984, 0.0000, 19.0418, 0.0000], device='cuda:0')

test loss from 2 : 30.273372650146484

Output of network: tensor([15.8345, 27.1951, 19.9304, 20.3274, 25.1756, -0.0905], device='cuda:0')

Target Values: tensor([13.3266, 26.5663, 21.2917, 19.3248, 12.0573, 0.0000], device='cuda:0')

test loss from 2 : 0.3439965844154358

Output of network: tensor([26.4610, 1.6797, -0.0738, 15.9125, -0.5554, 0.2473], device='cuda:0')

Target Values: tensor([27.0298, 1.6846, 0.0000, 17.0810, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 16.393291473388672

Output of network: tensor([23.8971, 24.5704, 20.6256, 0.1230, 27.7145, 0.0964], device='cuda:0')

Target Values: tensor([14.4347, 22.4924, 21.5707, 0.0000, 29.6086, 0.0000], device='cuda:0')

test loss from 2 : 2.0654914379119873

Output of network: tensor([-0.2977, 6.0272, 0.8504, 1.0301, -0.2765, 20.9128], device='cuda:0')

Target Values: tensor([ 0.0000, 8.7067, 0.0000, 0.7553, 0.0000, 22.9742], device='cuda:0')

test loss from 2 : 2.1579062938690186

Output of network: tensor([ 2.8672e+01, 2.0635e+01, 2.9162e+01, -1.6383e-02, 1.2081e+00,

2.1854e+01], device='cuda:0')

Target Values: tensor([29.9897, 20.4350, 26.3660, 0.0000, 0.0000, 20.4772], device='cuda:0')

test loss from 2 : 15.73261833190918

Output of network: tensor([-4.3459e-02, 2.4290e+01, 1.1375e-01, 1.9514e+01, 4.5093e-03,

2.1205e-01], device='cuda:0')

Target Values: tensor([ 0.0000, 32.3916, 0.0000, 14.1565, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 17.321552276611328

Output of network: tensor([ 0.5215, 25.2753, 0.0431, 25.3485, 27.7970, 0.0761], device='cuda:0')

Target Values: tensor([ 9.6625, 22.5501, 0.0000, 21.8763, 26.8588, 0.0000], device='cuda:0')

test loss from 2 : 20.338260650634766

Output of network: tensor([ 0.7255, 0.4936, 4.8734, 21.9822, 28.7524, 0.2373], device='cuda:0')

Target Values: tensor([ 0.1886, 0.0000, 3.2299, 23.7797, 18.0049, 0.0000], device='cuda:0')

test loss from 2 : 0.13039492070674896

Output of network: tensor([ 0.4571, -0.0123, 0.6948, 0.1765, -0.2119, 8.3649], device='cuda:0')

Target Values: tensor([0.0000, 0.0000, 0.0000, 0.0000, 0.0000, 8.4853], device='cuda:0')

test loss from 2 : 3.681285858154297

Output of network: tensor([ 0.4254, 19.4242, 0.3501, 21.8345, 17.8517, 24.5285], device='cuda:0')

Target Values: tensor([ 0.0000, 16.7122, 0.0000, 18.9914, 20.2289, 25.3624], device='cuda:0')

test loss from 2 : 0.6858097314834595

Output of network: tensor([ 0.7683, -0.2314, -0.1432, 0.9135, 0.3143, 8.3771], device='cuda:0')

Target Values: tensor([0.0000, 0.0000, 0.0000, 0.0000, 0.0000, 9.9637], device='cuda:0')

test loss from 2 : 5.6270341873168945

Output of network: tensor([24.4358, 15.0280, 1.8322, 0.0687, 19.1416, 26.1013], device='cuda:0')

Target Values: tensor([20.4716, 16.2795, 1.1859, 0.0000, 15.6351, 28.0411], device='cuda:0')

test loss from 2 : 6.14272403717041

Output of network: tensor([ 2.1913e+01, 1.9006e+01, 2.9845e-01, 9.2761e-01, -9.0082e-03,

9.1427e+00], device='cuda:0')

Target Values: tensor([26.0893, 19.0179, 0.0000, 0.0000, 0.0000, 4.8459], device='cuda:0')

test loss from 2 : 1.9811151027679443

Output of network: tensor([ 0.6062, 29.3822, 29.1865, 2.1760, 0.1703, 17.8813], device='cuda:0')

Target Values: tensor([ 1.9642, 29.4058, 31.8759, 0.5299, 0.0000, 17.6160], device='cuda:0')

test loss from 2 : 1.6482867002487183

Output of network: tensor([3.6169e-01, 2.7128e+01, 3.1237e+01, 4.7404e+00, 2.5121e-01, 2.5304e-02],

device='cuda:0')

Target Values: tensor([ 0.0000, 26.5058, 28.9344, 2.7387, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 5.9732184410095215

Output of network: tensor([32.4809, 2.3726, -0.0535, 25.2912, 21.4317, -0.3796], device='cuda:0')

Target Values: tensor([27.8595, 3.8530, 0.0000, 28.5191, 22.7447, 0.0000], device='cuda:0')

test loss from 2 : 1.2585415840148926

Output of network: tensor([ 0.6468, 0.2341, 4.3899, 0.3028, 22.6863, 14.4685], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 6.2132, 0.0000, 24.1679, 15.6795], device='cuda:0')

test loss from 2 : 14.662620544433594

Output of network: tensor([-0.1498, 1.2322, 25.1254, 1.3256, 26.3405, -0.5727], device='cuda:0')

Target Values: tensor([ 0.0000, 7.7405, 30.4756, 5.3802, 25.8903, 0.0000], device='cuda:0')

test loss from 2 : 6.7736101150512695

Output of network: tensor([0.2624, 3.0827, 4.4478, 0.3484, 0.2156, 0.5495], device='cuda:0')

Target Values: tensor([ 0.0000, 3.3691, 10.7740, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 0.848467230796814

Output of network: tensor([31.8233, 0.2382, 0.3959, 1.9272, 0.3073, 27.4367], device='cuda:0')

Target Values: tensor([33.4910, 0.0000, 0.0000, 2.5638, 0.0000, 28.7002], device='cuda:0')

test loss from 2 : 12.490121841430664

Output of network: tensor([30.9669, 29.3980, 27.4729, 15.0636, 0.1980, 0.1239], device='cuda:0')

Target Values: tensor([27.3684, 28.4253, 34.7393, 12.2017, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 3.8314309120178223

Output of network: tensor([20.5119, 4.4920, 0.2866, 0.3414, 0.4587, 28.4374], device='cuda:0')

Target Values: tensor([15.8590, 5.4546, 0.0000, 0.0000, 0.0000, 28.3728], device='cuda:0')

test loss from 2 : 6.155340194702148

Output of network: tensor([ 0.0649, -0.1287, 7.7895, 7.9282, 18.6234, 2.3816], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 8.3784, 13.2754, 19.9627, 4.8671], device='cuda:0')

test loss from 2 : 7.1484375

Output of network: tensor([ 0.5970, 24.5913, 6.9991, 0.2392, 0.7779, 8.7709], device='cuda:0')

Target Values: tensor([ 0.0000, 28.5438, 4.0369, 0.0000, 0.0000, 12.9511], device='cuda:0')

test loss from 2 : 22.50420379638672

Output of network: tensor([29.4288, 30.9041, 28.9267, 26.7278, 6.7754, 0.1638], device='cuda:0')

Target Values: tensor([36.6550, 37.0907, 22.4389, 28.0214, 7.6364, 0.0000], device='cuda:0')

test loss from 2 : 1.026087999343872

Output of network: tensor([ 0.1602, 0.6412, -0.0761, 27.8980, 31.1220, 7.6713], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 25.6828, 30.6031, 8.4044], device='cuda:0')

test loss from 2 : 9.261261940002441

Output of network: tensor([ 0.2446, 0.6872, 31.9211, 0.2682, 0.1913, -0.2488], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 39.3282, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 4.471622467041016

Output of network: tensor([29.6937, 1.2407, 0.6189, 35.0381, 7.8058, 0.5017], device='cuda:0')

Target Values: tensor([33.1926, 0.0000, 0.0000, 37.3062, 10.5019, 0.0000], device='cuda:0')

test loss from 2 : 12.081216812133789

Output of network: tensor([19.2989, 25.2431, 29.4770, 0.1859, 23.4066, -0.0593], device='cuda:0')

Target Values: tensor([20.6951, 30.9340, 35.4758, 0.0000, 24.8653, 0.0000], device='cuda:0')

test loss from 2 : 1.8444733619689941

Output of network: tensor([ 0.1973, 7.8968, 2.3205, 32.2221, -0.2437, 0.3944], device='cuda:0')

Target Values: tensor([ 0.0000, 8.5507, 0.0000, 29.9859, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 3.1033809185028076

Output of network: tensor([ 1.6209e-01, 2.5241e-01, -1.8898e-02, 1.1400e-01, 2.6729e-01,

2.3838e+01], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 0.0000, 0.0000, 19.5431], device='cuda:0')

test loss from 2 : 20.63306427001953

Output of network: tensor([23.6885, 25.0216, 26.0206, 0.2771, 29.8828, 0.4130], device='cuda:0')

Target Values: tensor([27.3380, 29.8912, 16.8418, 0.0000, 31.3887, 0.0000], device='cuda:0')

test loss from 2 : 1.8948965072631836

Output of network: tensor([ 0.2737, 34.6349, -0.0481, 23.4876, 9.1386, 29.0573], device='cuda:0')

Target Values: tensor([ 0.0000, 36.8477, 0.0000, 23.6641, 11.5257, 28.2410], device='cuda:0')

test loss from 2 : 3.540144443511963

Output of network: tensor([ 2.5491e+01, 2.7203e+01, 5.0682e-01, 8.7538e-01, 5.6473e+00,

-1.1801e-02], device='cuda:0')

Target Values: tensor([28.8096, 24.7979, 0.0000, 0.0000, 7.4955, 0.0000], device='cuda:0')

test loss from 2 : 0.23511815071105957

Output of network: tensor([ 0.3404, 0.5594, 14.7356, 3.9267, 0.2625, 0.7998], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 14.2520, 4.1253, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 79.48590087890625

Output of network: tensor([13.3938, 30.6834, 26.2373, 28.2776, -0.3975, 0.1338], device='cuda:0')

Target Values: tensor([14.2915, 36.7537, 46.7128, 32.7314, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 6.739369869232178

Output of network: tensor([ 3.2908e+01, 2.6795e-01, 2.1479e+01, 3.0087e+01, -7.9012e-03,

2.0826e+00], device='cuda:0')

Target Values: tensor([36.3916, 0.0000, 17.9169, 30.1002, 0.0000, 6.0247], device='cuda:0')

test loss from 2 : 3.5677103996276855

Output of network: tensor([ 0.0821, 22.3862, 27.8506, 0.4091, 0.1121, 20.5342], device='cuda:0')

Target Values: tensor([ 0.0000, 24.2671, 32.0550, 0.0000, 0.0000, 20.4657], device='cuda:0')

test loss from 2 : 5.369126319885254

Output of network: tensor([24.9650, 21.9554, 0.4647, -0.2019, 13.8027, 27.7362], device='cuda:0')

Target Values: tensor([25.5069, 16.6432, 0.0000, 0.0000, 14.5657, 29.4281], device='cuda:0')

test loss from 2 : 16.812023162841797

Output of network: tensor([ 0.2622, 24.8775, 27.2362, 20.2826, 1.7347, 6.8573], device='cuda:0')

Target Values: tensor([ 0.0000, 21.1430, 19.8549, 22.9436, 6.2957, 4.7387], device='cuda:0')

test loss from 2 : 0.8451935648918152

Output of network: tensor([ 0.0731, 29.5338, 0.7423, 17.5532, -0.0710, 0.4156], device='cuda:0')

Target Values: tensor([ 0.0000, 30.6620, 0.0000, 19.3037, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 10.496109962463379

Output of network: tensor([ 0.2797, -0.2324, 38.1852, 19.2801, 0.0591, 1.0737], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 43.4455, 25.1126, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 4.3217973709106445

Output of network: tensor([ 1.2107, 0.2981, 0.2135, 18.2461, 13.6037, -0.3181], device='cuda:0')

Target Values: tensor([ 0.2283, 0.0000, 0.0000, 21.6505, 17.2286, 0.0000], device='cuda:0')

test loss from 2 : 2.229684829711914

Output of network: tensor([-0.0793, 1.3558, 0.1041, 3.3136, 0.2436, 29.8985], device='cuda:0')

Target Values: tensor([ 0.0000, 3.0988, 0.0000, 0.9129, 0.0000, 32.0199], device='cuda:0')

test loss from 2 : 1.626157522201538

Output of network: tensor([ 2.9284e-01, -5.2342e-01, 4.2397e-01, 3.3358e+01, 2.7847e+01,

2.0167e-02], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 33.8470, 30.8430, 0.0000], device='cuda:0')

test loss from 2 : 11.692434310913086

Output of network: tensor([-0.0361, 0.3681, 28.5419, 26.4062, 0.1405, 17.5784], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 34.4370, 22.9294, 0.0000, 12.7661], device='cuda:0')

test loss from 2 : 9.080657958984375

Output of network: tensor([0.4889, 0.2330, 9.6928, 1.6597, 0.4004, 0.8552], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 15.8604, 5.5662, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 4.036785125732422

Output of network: tensor([ 1.5182, 0.7709, 0.4584, 0.8854, -0.0995, 28.4074], device='cuda:0')

Target Values: tensor([ 0.0000, 3.7085, 0.0000, 0.0000, 0.0000, 24.9027], device='cuda:0')

test loss from 2 : 7.839771270751953

Output of network: tensor([ 0.8320, 0.9317, 13.5031, 23.9224, 45.1553, 0.0516], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 9.6269, 21.1277, 49.9134, 0.0000], device='cuda:0')

test loss from 2 : 8.217844009399414

Output of network: tensor([26.7523, 0.8702, 0.3907, 0.0419, 9.2021, -0.0738], device='cuda:0')

Target Values: tensor([32.6315, 0.0000, 0.0000, 0.0000, 12.9203, 0.0000], device='cuda:0')

test loss from 2 : 13.598917007446289

Output of network: tensor([ 0.2468, 0.4141, 0.3692, 12.9806, 5.9495, 5.8301], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 17.4246, 8.5671, 13.2209], device='cuda:0')

test loss from 2 : 9.311601638793945

Output of network: tensor([27.0977, 13.3871, 3.4417, 20.9827, 19.3542, 25.2579], device='cuda:0')

Target Values: tensor([22.7131, 12.3028, 0.0000, 21.1368, 15.0959, 27.5959], device='cuda:0')

test loss from 2 : 23.346466064453125

Output of network: tensor([24.8277, 29.5398, 0.2269, 0.6992, 5.3401, 26.2942], device='cuda:0')

Target Values: tensor([35.9492, 27.4082, 0.0000, 0.0000, 7.9356, 24.1563], device='cuda:0')

test loss from 2 : 45.831756591796875

Output of network: tensor([-1.5304e-02, 2.8122e-01, 2.6113e+01, 1.9186e+01, 2.5625e+01,

4.4163e+00], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 27.6580, 3.1136, 29.3861, 4.6536], device='cuda:0')

test loss from 2 : 14.966451644897461

Output of network: tensor([1.1547e-01, 2.8192e+01, 2.9957e+01, 1.6613e+00, 1.6481e+00, 2.6856e-02],

device='cuda:0')

Target Values: tensor([ 0.0000, 19.2523, 32.4407, 2.6495, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 28.73902702331543

Output of network: tensor([16.6169, 27.7353, 25.4893, 0.1954, 2.4594, -0.1183], device='cuda:0')

Target Values: tensor([16.5483, 31.0898, 12.8221, 0.0000, 1.6428, 0.0000], device='cuda:0')

test loss from 2 : 7.909663677215576

Output of network: tensor([0.6279, 3.8842, 0.7553, 0.1319, 0.6973, 0.3046], device='cuda:0')

Target Values: tensor([ 0.0000, 10.6589, 0.0000, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 19.214876174926758

Output of network: tensor([ 0.1440, 29.0493, 28.8369, -0.0887, -0.2492, 0.2009], device='cuda:0')

Target Values: tensor([ 0.0000, 23.5548, 38.0547, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 1.582646369934082

Output of network: tensor([ 0.7915, -0.1486, 3.0509, 0.0249, 0.4909, 0.1596], device='cuda:0')

Target Values: tensor([0.0000, 0.0000, 5.9801, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 6.623963832855225

Output of network: tensor([15.5463, 32.6445, 8.6628, 1.3916, 26.3921, 0.1872], device='cuda:0')

Target Values: tensor([16.6531, 28.5206, 4.2424, 0.0000, 26.3573, 0.0000], device='cuda:0')

test loss from 2 : 15.000131607055664

Output of network: tensor([24.7008, 0.5523, -0.0342, 3.2385, 21.1359, 0.5826], device='cuda:0')

Target Values: tensor([25.0951, 0.0000, 0.0000, 2.4532, 11.8577, 2.2670], device='cuda:0')

test loss from 2 : 20.525558471679688

Output of network: tensor([ 0.0469, 0.5488, 24.5746, 26.5421, 16.9677, 17.9021], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 15.7251, 21.9537, 21.2268, 20.2135], device='cuda:0')

test loss from 2 : 12.480401992797852

Output of network: tensor([28.1430, 0.1283, 28.0438, 4.2218, 23.7257, 3.9192], device='cuda:0')

Target Values: tensor([27.4241, 0.0000, 29.6568, 4.2630, 32.0534, 2.3718], device='cuda:0')

test loss from 2 : 9.344991683959961

Output of network: tensor([-0.0381, 0.5232, 15.7073, 0.5671, 30.5633, -0.0792], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 18.6568, 0.0000, 37.4019, 0.0000], device='cuda:0')

test loss from 2 : 5.712640762329102

Output of network: tensor([22.8760, 0.2225, 0.1963, 17.6846, 0.2299, 1.0296], device='cuda:0')

Target Values: tensor([24.3471, 0.0000, 0.0000, 12.1248, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 20.996112823486328

Output of network: tensor([ 1.0952, 0.0403, 32.4920, 35.9384, 10.3401, 0.2065], device='cuda:0')

Target Values: tensor([ 0.6652, 0.0000, 33.6984, 46.8511, 8.0584, 0.0000], device='cuda:0')

test loss from 2 : 62.061431884765625

Output of network: tensor([ 5.5907, 11.6026, -0.1203, 0.1756, 34.1712, 5.5340], device='cuda:0')

Target Values: tensor([ 4.3135, 24.9437, 0.0000, 1.4933, 47.9284, 4.2141], device='cuda:0')

test loss from 2 : 3.744793653488159

Output of network: tensor([29.9406, 24.5738, 25.5033, 0.0911, 30.9625, 1.1322], device='cuda:0')

Target Values: tensor([26.5975, 25.9771, 24.7074, 0.0000, 33.6827, 0.0000], device='cuda:0')

test loss from 2 : 6.295344352722168

Output of network: tensor([23.0514, 39.1818, 3.0784, 19.9561, 1.7825, 12.5264], device='cuda:0')

Target Values: tensor([27.6608, 38.4911, 2.4890, 22.0184, 0.0000, 15.4023], device='cuda:0')

test loss from 2 : 15.044160842895508

Output of network: tensor([26.7598, 2.3110, 0.3142, 19.1954, 0.3673, 0.8292], device='cuda:0')

Target Values: tensor([26.7552, 0.0000, 0.0000, 10.0024, 0.0000, 1.2512], device='cuda:0')

test loss from 2 : 2.933884620666504

Output of network: tensor([ 0.8567, 14.2554, 19.3618, 28.0878, 0.2647, 0.4027], device='cuda:0')

Target Values: tensor([ 0.3772, 14.9927, 17.9577, 31.9122, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 2.6079587936401367

Output of network: tensor([1.2596e+01, 2.3036e+01, 2.3675e-01, 2.9666e-01, 1.7041e-02, 3.0157e+01],

device='cuda:0')

Target Values: tensor([12.0117, 21.5845, 0.0000, 0.0000, 0.0000, 33.7707], device='cuda:0')

test loss from 2 : 18.054813385009766

Output of network: tensor([-0.1298, 0.0586, 16.0039, 29.4942, 0.7590, 5.6333], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 17.4408, 39.4914, 0.0000, 8.0258], device='cuda:0')

test loss from 2 : 21.52167320251465

Output of network: tensor([31.2984, 0.0795, 17.3186, 0.2227, 0.9658, 11.4339], device='cuda:0')

Target Values: tensor([23.9196, 0.0000, 23.6251, 0.0000, 1.6371, 17.2996], device='cuda:0')

test loss from 2 : 1.853711485862732

Output of network: tensor([-0.0534, 0.8036, 26.8996, 0.3742, 1.8565, 15.9747], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 29.1713, 0.0000, 1.0383, 18.0969], device='cuda:0')

test loss from 2 : 3.5667977333068848

Output of network: tensor([ 1.7064, 34.9298, 26.5261, 0.1324, 1.0420, 0.1131], device='cuda:0')

Target Values: tensor([ 2.0986, 35.8219, 22.0940, 0.0000, 0.1602, 0.0000], device='cuda:0')

test loss from 2 : 37.84298324584961

Output of network: tensor([20.2343, 0.3496, 25.2177, 36.1946, 0.2152, 24.8047], device='cuda:0')

Target Values: tensor([22.1959, 0.0000, 21.8659, 21.6718, 0.0000, 25.7512], device='cuda:0')

test loss from 2 : 2.317646026611328

Output of network: tensor([ 0.4178, 0.3561, 21.5688, 0.1707, 0.1198, 2.4134], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 18.7873, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 11.444727897644043

Output of network: tensor([ 0.5735, 30.9530, 18.4953, 26.6248, 0.0837, 43.1838], device='cuda:0')

Target Values: tensor([ 0.0000, 28.2443, 15.7737, 31.3328, 0.0000, 37.5783], device='cuda:0')

test loss from 2 : 3.8296141624450684

Output of network: tensor([12.5332, 29.8686, 0.2673, 35.1515, -0.2602, 28.3267], device='cuda:0')

Target Values: tensor([ 9.5534, 33.2345, 0.0000, 33.5929, 0.0000, 27.8787], device='cuda:0')

test loss from 2 : 11.261564254760742

Output of network: tensor([ 0.0915, 24.9661, 0.3945, 0.2985, 24.8959, 0.8343], device='cuda:0')

Target Values: tensor([ 0.0000, 30.2783, 0.0000, 0.0000, 31.1478, 0.9349], device='cuda:0')

test loss from 2 : 23.754127502441406

Output of network: tensor([25.1831, 0.0868, 24.2401, 12.9576, 29.0023, 32.3921], device='cuda:0')

Target Values: tensor([30.2164, 0.0000, 22.2923, 13.2227, 39.5952, 33.4452], device='cuda:0')

test loss from 2 : 2.0185651779174805

Output of network: tensor([ 4.8480, 1.6412, 0.2370, 19.5814, 0.7276, 0.4833], device='cuda:0')

Target Values: tensor([ 5.2265, 2.8818, 0.0000, 16.4814, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 2.715463161468506

Output of network: tensor([ 0.7655, -0.0858, 23.6813, 24.2051, 0.1569, 0.7136], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 25.8452, 27.4428, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 3.039844512939453

Output of network: tensor([31.7308, 11.6413, 5.7163, 1.3385, 8.5753, 22.7868], device='cuda:0')

Target Values: tensor([29.1168, 13.4436, 4.6242, 3.2280, 7.0797, 21.7108], device='cuda:0')

test loss from 2 : 16.219661712646484

Output of network: tensor([ 0.2629, 25.7417, 2.1434, 19.3203, 0.3204, 24.6324], device='cuda:0')

Target Values: tensor([ 0.0000, 32.5519, 2.4631, 21.1091, 0.0000, 31.5220], device='cuda:0')

test loss from 2 : 4.710587024688721

Output of network: tensor([33.0721, 0.5688, 0.4068, 0.1678, 0.1620, 29.8887], device='cuda:0')

Target Values: tensor([33.6153, 0.0000, 0.0000, 0.0000, 0.0000, 24.6518], device='cuda:0')

test loss from 2 : 11.031508445739746

Output of network: tensor([ 0.2969, 27.9056, 28.3130, 0.1081, 0.1608, 0.1478], device='cuda:0')

Target Values: tensor([ 0.0000, 30.2571, 36.0919, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 2.2778029441833496

Output of network: tensor([ 1.6066, 18.7698, -0.0315, 0.0816, 5.0083, 0.5823], device='cuda:0')

Target Values: tensor([ 0.0000, 15.5923, 0.0000, 0.0000, 4.2070, 0.0000], device='cuda:0')

test loss from 2 : 1.6283739805221558

Output of network: tensor([ 9.5747, 0.1516, 28.8476, 28.2654, 3.5141, 0.3215], device='cuda:0')

Target Values: tensor([12.1434, 0.0000, 29.0175, 28.8190, 5.1603, 0.0000], device='cuda:0')

test loss from 2 : 1.8374125957489014

Output of network: tensor([1.0175e+01, 2.5440e+01, 5.7383e-01, 1.5124e-03, 6.7343e+00, 5.7313e-01],

device='cuda:0')

Target Values: tensor([ 8.3099, 24.4819, 0.0000, 0.0000, 4.2907, 0.0000], device='cuda:0')

test loss from 2 : 6.508471488952637

Output of network: tensor([25.8460, 16.0213, 0.3565, 24.9586, 24.4219, 13.0502], device='cuda:0')

Target Values: tensor([31.5417, 15.6767, 0.0000, 26.3848, 23.5419, 14.9360], device='cuda:0')

test loss from 2 : 3.5945701599121094

Output of network: tensor([23.4363, 0.8526, 27.2894, 0.8470, 28.1880, 4.9215], device='cuda:0')

Target Values: tensor([26.2279, 0.0000, 30.3759, 0.0000, 29.8601, 4.8329], device='cuda:0')

test loss from 2 : 4.890578269958496

Output of network: tensor([30.1829, 11.8067, 0.1780, 24.3705, 0.2253, 0.4450], device='cuda:0')

Target Values: tensor([31.4402, 15.4444, 0.0000, 28.1454, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 16.88565444946289

Output of network: tensor([ 0.1318, 31.8651, 0.1569, 0.2462, 17.6287, 0.1829], device='cuda:0')

Target Values: tensor([ 0.0000, 33.4126, 0.0000, 0.0000, 27.5677, 0.0000], device='cuda:0')

test loss from 2 : 4.531744480133057

Output of network: tensor([10.8882, -0.2529, 19.9775, 0.3194, 24.8969, 28.2948], device='cuda:0')

Target Values: tensor([11.0860, 0.0000, 21.7592, 0.0000, 28.1492, 31.9326], device='cuda:0')

test loss from 2 : 20.497350692749023

Output of network: tensor([19.6369, 0.2563, 29.2206, 24.7339, 0.7948, 23.6779], device='cuda:0')

Target Values: tensor([26.1950, 0.0000, 24.8793, 27.4842, 0.0000, 16.4069], device='cuda:0')

test loss from 2 : 1.7230496406555176

Output of network: tensor([ 2.6932, 0.2941, 14.1424, 17.3279, 0.7961, 0.6839], device='cuda:0')

Target Values: tensor([ 3.6773, 0.0000, 13.1488, 20.0873, 0.3334, 0.0000], device='cuda:0')

test loss from 2 : 20.806167602539062

Output of network: tensor([ 3.4906e-01, 1.3558e+01, 2.5337e+01, 2.3767e+01, -1.9881e-02,

2.0542e-01], device='cuda:0')

Target Values: tensor([ 0.0000, 11.8862, 23.2789, 34.6134, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 2.2579894065856934

Output of network: tensor([ 7.2609, 4.1841, 35.2824, 23.1589, 33.0858, 38.5712], device='cuda:0')

Target Values: tensor([ 5.1884, 3.8189, 33.4289, 20.8385, 33.1178, 38.0247], device='cuda:0')

test loss from 2 : 2.030531883239746

Output of network: tensor([26.5492, 21.5858, 15.5624, 27.2013, 8.2391, 0.4940], device='cuda:0')

Target Values: tensor([29.4464, 22.2728, 16.3121, 27.6628, 9.7552, 0.0000], device='cuda:0')

test loss from 2 : 6.720290184020996

Output of network: tensor([ 0.1491, 19.0513, 0.1746, 21.0073, 0.1994, 24.9618], device='cuda:0')

Target Values: tensor([ 0.0000, 22.3112, 0.0000, 20.7178, 0.0000, 19.5287], device='cuda:0')

test loss from 2 : 7.242858409881592

Output of network: tensor([20.2075, 0.2688, 32.9704, 0.3811, 20.2459, 7.8595], device='cuda:0')

Target Values: tensor([22.6003, 0.0000, 34.9498, 0.0000, 23.5851, 12.5973], device='cuda:0')

test loss from 2 : 0.062176309525966644

Output of network: tensor([24.5363, 0.0818, 0.2538, 0.1512, 0.2344, -0.4394], device='cuda:0')

Target Values: tensor([24.3600, 0.0000, 0.0000, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 4.580417633056641

Output of network: tensor([32.2629, 26.9087, -0.1910, 13.2495, 0.4340, 0.4510], device='cuda:0')

Target Values: tensor([34.1563, 31.6686, 0.0000, 14.1513, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 3.0806946754455566

Output of network: tensor([ 0.2885, 26.2527, 0.6420, 16.3626, -0.3036, 19.4898], device='cuda:0')

Target Values: tensor([ 0.0000, 23.5813, 0.0000, 18.8523, 0.0000, 21.6257], device='cuda:0')

test loss from 2 : 0.8512899875640869

Output of network: tensor([-8.7251e-02, 2.9108e-02, 3.1977e+00, -6.9168e-02, 2.0724e-01,

2.9178e+01], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 2.0985, 0.0000, 0.0000, 27.2178], device='cuda:0')

test loss from 2 : 25.71426010131836

Output of network: tensor([ 0.1981, 18.2451, -0.0573, 4.8804, 20.5790, 0.5202], device='cuda:0')

Target Values: tensor([ 0.0000, 14.5518, 0.0000, 12.5061, 11.5136, 0.0000], device='cuda:0')

test loss from 2 : 3.7576122283935547

Output of network: tensor([ 1.3148, 0.2219, -0.1789, 28.3016, 24.1657, 11.1620], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 23.9255, 23.1646, 10.3984], device='cuda:0')

test loss from 2 : 5.271177291870117

Output of network: tensor([ 0.3613, 21.5030, 27.4655, 0.0622, 0.0791, 0.2819], device='cuda:0')

Target Values: tensor([ 0.0000, 19.7601, 22.1392, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 1.0529755353927612

Output of network: tensor([18.5156, 0.5790, 26.4170, -0.0277, -0.1035, 0.3181], device='cuda:0')

Target Values: tensor([20.9379, 0.0000, 26.4680, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 9.737351417541504

Output of network: tensor([-0.0949, 0.7981, 27.7296, -0.1853, 25.2293, 9.5554], device='cuda:0')

Target Values: tensor([ 0.0000, 1.7002, 25.4923, 0.0000, 31.8042, 6.5005], device='cuda:0')

test loss from 2 : 1.9657249450683594

Output of network: tensor([-0.0833, -0.0333, 0.2024, 25.4976, 0.4430, 0.2240], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 22.1066, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 4.0903401374816895

Output of network: tensor([-6.9780e-03, 2.6349e+01, 3.6542e-01, 2.4961e+01, 1.4122e+00,

1.4716e+01], device='cuda:0')

Target Values: tensor([ 0.0000, 28.4414, 0.0000, 20.7329, 0.0000, 15.1184], device='cuda:0')

test loss from 2 : 2.831447124481201

Output of network: tensor([13.5283, 0.1093, 0.1061, 27.5779, 0.3575, 0.5489], device='cuda:0')

Target Values: tensor([17.4274, 0.0000, 0.0000, 26.4232, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 14.090690612792969

Output of network: tensor([30.1753, 26.4712, 21.4108, 0.4483, 22.3952, 28.2994], device='cuda:0')

Target Values: tensor([28.3053, 29.9776, 24.0519, 0.0000, 19.3436, 21.0700], device='cuda:0')

test loss from 2 : 21.551631927490234

Output of network: tensor([ 0.3615, 13.5800, 0.8795, 27.4017, 3.5405, 0.1988], device='cuda:0')

Target Values: tensor([ 0.0000, 21.2393, 0.0000, 35.5504, 1.7238, 0.0000], device='cuda:0')

test loss from 2 : 6.575163841247559

Output of network: tensor([21.0203, 25.2457, 0.1690, 8.8031, 35.2112, 5.3768], device='cuda:0')

Target Values: tensor([18.1663, 24.2485, 0.0000, 12.6636, 38.9402, 6.5909], device='cuda:0')

test loss from 2 : 3.0077502727508545

Output of network: tensor([-0.9255, 0.3871, 0.7322, 36.8717, 0.3086, 0.2361], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 32.8279, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 2.0534069538116455

Output of network: tensor([ 0.2375, 26.4754, 24.1758, 23.9586, 0.6724, 0.5111], device='cuda:0')

Target Values: tensor([ 0.0000, 28.3909, 21.5324, 23.0130, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 5.457027435302734

Output of network: tensor([2.1632e+01, 2.3117e-01, 2.8670e+01, 5.4938e-01, 2.5943e-02, 1.4912e+01],

device='cuda:0')

Target Values: tensor([19.5900, 0.0000, 23.3698, 0.0000, 0.0000, 15.2603], device='cuda:0')

test loss from 2 : 4.58537483215332

Output of network: tensor([ 2.9451, 27.5601, 0.1680, 35.6842, 0.3390, 16.1117], device='cuda:0')

Target Values: tensor([ 2.3547, 29.2713, 0.0000, 32.0028, 0.0000, 12.8652], device='cuda:0')

test loss from 2 : 7.884660720825195

Output of network: tensor([ 0.3824, 0.4965, 19.8580, -0.1586, 0.3303, 0.2281], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 26.6939, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 1.5958449840545654

Output of network: tensor([ 2.2489e-01, -1.1999e-02, 3.5611e+01, 2.1413e+01, 5.4069e-01,

2.4238e+01], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 33.6878, 23.7120, 0.0000, 24.7370], device='cuda:0')

test loss from 2 : 17.30855369567871

Output of network: tensor([ 0.0941, 0.1748, 2.5692, 25.7882, 19.1088, 3.6239], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 5.1239, 28.3755, 25.4377, 10.7328], device='cuda:0')

test loss from 2 : 63.17267608642578

Output of network: tensor([27.8442, 24.3654, 0.3944, 29.4517, 19.4771, 23.8594], device='cuda:0')

Target Values: tensor([32.3293, 26.8982, 0.0000, 28.8909, 21.9969, 42.4520], device='cuda:0')

test loss from 2 : 8.33966064453125

Output of network: tensor([ 0.3781, 0.2218, 17.2827, 0.0833, 26.9737, 0.2166], device='cuda:0')

Target Values: tensor([ 1.1871, 0.0000, 19.3455, 0.0000, 33.6838, 0.0000], device='cuda:0')

test loss from 2 : 8.613630294799805

Output of network: tensor([ 0.3172, 0.4635, 1.5734, 24.0091, 17.6672, 0.4768], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 1.9025, 30.0520, 13.8574, 0.0000], device='cuda:0')

test loss from 2 : 3.005571126937866

Output of network: tensor([ 0.2381, 26.9465, 1.9622, -0.0330, 0.0640, 21.9683], device='cuda:0')

Target Values: tensor([ 0.0000, 31.1604, 2.0323, 0.0000, 0.0000, 21.5100], device='cuda:0')

test loss from 2 : 3.3015451431274414

Output of network: tensor([ 0.1837, 22.3139, 4.0834, 17.6613, 29.9523, 4.5288], device='cuda:0')

Target Values: tensor([ 0.0000, 20.7840, 4.3089, 21.7764, 29.2862, 4.4501], device='cuda:0')

test loss from 2 : 0.7172287106513977

Output of network: tensor([3.9618], device='cuda:0')

Target Values: tensor([3.1149], device='cuda:0')

Test Loss (mean squared error): 1.836790

Time: 42.3862624168396

Outputs [-0.05238187313079834, 2.925884246826172, 0.6142350435256958, -0.062293410301208496, 4.0288896560668945, 0.9925782680511475, -0.07339680194854736, 20.219327926635742, -0.8472200632095337, -0.12636268138885498, 26.820703506469727, 0.5356060266494751, 0.12476217746734619, 0.22220289707183838, 0.24461519718170166, 0.3066030740737915, 5.084661960601807, 0.5683761835098267, 0.504191517829895, 29.26156234741211, 0.953821063041687, 2.9364194869995117, 0.6294773817062378, 0.42936158180236816, 0.41865456104278564, -0.04381513595581055, -0.15443885326385498, 22.169103622436523, 5.807431697845459, 13.152923583984375, -0.10095345973968506, 12.006128311157227, 7.599341869354248, 0.2832432985305786, 0.5689860582351685, 4.609760761260986, 1.5565751791000366, 0.3864232301712036, 0.5647144317626953, 20.278844833374023, 31.867137908935547, -0.2690490484237671, 0.319577693939209, 0.47601401805877686, 18.003095626831055, 0.33708441257476807, 0.06924891471862793, 0.2689632177352905, 2.577401638031006, 0.20073330402374268, 6.554242134094238, 22.936603546142578, 0.02914297580718994, 19.177024841308594, 7.039382457733154, 9.312861442565918, 23.936498641967773, 1.3580015897750854, 0.7386289834976196, 0.6796277761459351, 16.78714370727539, 25.955780029296875, 0.46638214588165283, -0.04860126972198486, 24.957134246826172, 0.7241169214248657, 0.03648245334625244, 0.01863265037536621, 1.0932728052139282, 27.4121150970459, 0.5822471380233765, 0.25090491771698, 23.243209838867188, -0.20751726627349854, 0.4566553831100464, 3.6103992462158203, 0.7787762880325317, 0.5410269498825073, 3.847647190093994, 15.41202163696289, 18.359954833984375, 2.810162305831909, 0.8973545432090759, 21.2777156829834, 10.204662322998047, 2.2471120357513428, -0.056096673011779785, 0.4162372350692749, 0.44108617305755615, 0.2514258623123169, 10.069912910461426, 0.3235882520675659, 0.3337804079055786, 12.264470100402832, 1.774582028388977, 4.739910125732422, 17.75028419494629, -0.09204590320587158, -0.33320462703704834, 0.9991336464881897, 1.0106983184814453, 0.285366415977478, 0.8780542016029358, 26.474374771118164, 1.8475803136825562, 0.5404642820358276, 0.014984726905822754, 0.2174135446548462, 0.3041890859603882, 1.3255733251571655, 18.64598846435547, 19.860942840576172, 0.8532315492630005, 0.15763938426971436, -0.18933403491973877, 14.172404289245605, 3.0600426197052, 0.21216249465942383, 1.872985601425171, 0.6884603500366211, 28.841867446899414, 31.809429168701172, 10.083292007446289, 2.327393054962158, 0.03194093704223633, 1.4423890113830566, 29.571956634521484, 5.681415557861328, 13.421857833862305, 27.92763328552246, 4.782577991485596, -0.43221724033355713, 0.36093366146087646, 17.61198616027832, 10.605719566345215, 22.846830368041992, 22.96320152282715, 0.05163395404815674, 7.645456314086914, 27.27882957458496, 24.86856460571289, 23.779081344604492, 34.09619903564453, 2.9114532470703125, 0.022142648696899414, 3.5944814682006836, 4.711091041564941, 0.914848268032074, 0.09414923191070557, 0.3096303939819336, 0.09348499774932861, 0.04990684986114502, 0.17845499515533447, 24.182466506958008, 0.13262593746185303, 27.119312286376953, 23.14992332458496, 0.24168944358825684, 0.5255597829818726, 18.28510856628418, 1.87417733669281, 5.757214546203613, 15.811193466186523, 16.786970138549805, 1.8059250116348267, 0.17948269844055176, 0.08413398265838623, 13.261848449707031, 0.7366906404495239, 21.539081573486328, 22.45740509033203, 19.094051361083984, 17.307334899902344, 9.149434089660645, 19.10654067993164, 2.3709259033203125, 8.147357940673828, 20.258440017700195, 0.8865483999252319, 0.10322320461273193, 0.3193395137786865, 0.6690812110900879, 0.36204540729522705, 0.23987579345703125, 2.570493221282959, 16.28630828857422, 1.7462514638900757, -0.2639058828353882, 26.242746353149414, 0.36557793617248535, 20.16204261779785, 1.9026408195495605, -0.4059954881668091, 6.672978401184082, 28.8051700592041, 16.984703063964844, 0.8387565612792969, 22.187015533447266, 1.081038475036621, 0.13004803657531738, -0.1469498872756958, 0.5219440460205078, 28.086271286010742, 19.383907318115234, 0.6325057744979858, 0.9970933794975281, 0.14394676685333252, -0.16953766345977783, 0.9239112734794617, 14.496538162231445, 23.36048698425293, 0.7731388807296753, 1.94154953956604, 10.603907585144043, 14.651416778564453, -0.014402031898498535, 16.506868362426758, 1.1450681686401367, 0.5311391353607178, 1.7844042778015137, 25.379867553710938, 0.4033801555633545, 0.4026522636413574, 0.7034388780593872, -0.03177058696746826, 0.844016432762146, 0.4218841791152954, 1.3079103231430054, 1.7449357509613037, 7.423739433288574, 11.497296333312988, -0.1875368356704712, 8.637847900390625, 23.402774810791016, 4.375004291534424, 10.899066925048828, 17.69092559814453, 3.3373823165893555, 26.388919830322266, 4.660794258117676, 0.4208686351776123, 0.2035897970199585, -0.1667271852493286, 23.77271270751953, 2.4864509105682373, -0.11334800720214844, 13.756073951721191, 28.440671920776367, 2.852088689804077, 1.2216856479644775, 16.966411590576172, 3.3806967735290527, 0.12324368953704834, 0.6100432872772217, 0.6764603853225708, 25.057544708251953, 0.7607368230819702, 3.0328798294067383, 1.2885328531265259, 4.490075588226318, 1.449954628944397, 11.99940299987793, 15.292901992797852, 0.5634565353393555, 17.427268981933594, 0.17821776866912842, 0.3324697017669678, 28.37746238708496, 26.77120590209961, 29.2329044342041, 10.224883079528809, 0.3688722848892212, -0.339502215385437, 18.953685760498047, 14.832338333129883, -0.06405031681060791, 0.8538153171539307, 7.410866737365723, 0.15225732326507568, 32.847190856933594, 23.948986053466797, 23.982051849365234, 10.0003080368042, 7.43414831161499, 0.026885628700256348, 9.37926197052002, 0.39365673065185547, 23.539546966552734, 0.3805224895477295, 24.707731246948242, -0.5388990640640259, 1.94553542137146, 0.5792635679244995, 24.62003517150879, 0.4574319124221802, 3.5519161224365234, 30.14344596862793, 26.729732513427734, 0.8796566724777222, 0.14804553985595703, 8.639002799987793, 0.34391164779663086, 0.5994203090667725, 0.19290554523468018, 0.6685289144515991, 7.858743190765381, 0.23596131801605225, 6.744347095489502, 1.9528765678405762, 1.7618218660354614, 22.733436584472656, 0.12734532356262207, 10.97378158569336, 0.32577669620513916, 0.4961889982223511, 10.58884048461914, 26.462093353271484, 3.684934139251709, 11.355264663696289, 0.30399906635284424, 0.7527593374252319, 4.054720401763916, 0.4351990222930908, 0.06320691108703613, 0.36764228343963623, 10.448711395263672, 0.7115449905395508, 26.14719581604004, 0.9155083894729614, 23.22968864440918, 1.3635408878326416, 6.380091190338135, 0.16645848751068115, 16.582820892333984, 0.22741305828094482, 1.6481432914733887, 2.7162041664123535, 0.2837001085281372, 18.736469268798828, 0.6425591707229614, 0.35907161235809326, 0.828995943069458, 9.426167488098145, 0.5801737308502197, 26.603702545166016, 22.616943359375, 21.416471481323242, 7.1273956298828125, 24.25670623779297, 2.550900459289551, 21.22934341430664, 0.5405728816986084, 2.2831993103027344, 1.1514042615890503, 18.777315139770508, 0.4510437250137329, -0.06522762775421143, 2.6413514614105225, 23.918228149414062, 22.158832550048828, 29.162681579589844, 24.58975601196289, 20.688987731933594, 25.38060760498047, 0.506364107131958, 0.7389265298843384, 28.983722686767578, 25.642271041870117, -0.007918119430541992, 7.751262187957764, -0.383672833442688, 1.2225923538208008, 21.424665451049805, 0.4552035331726074, 21.563720703125, 19.94805335998535, 13.665628433227539, 0.6859947443008423, 11.692978858947754, 0.7776459455490112, 23.978336334228516, 13.11766529083252, 0.8408118486404419, 6.337512969970703, 10.458285331726074, 27.904159545898438, 0.43694519996643066, 16.162656784057617, 1.1049505472183228, 0.2331937551498413, 1.601645588874817, 23.310060501098633, 21.990766525268555, 1.756659984588623, 0.18180668354034424, 0.13378441333770752, 8.788392066955566, 0.762588620185852, 0.05800795555114746, 0.7306145429611206, 0.39588630199432373, 6.319460391998291, 0.3581641912460327, -0.4262806177139282, 1.141448736190796, -0.08037424087524414, 4.872574329376221, 26.891931533813477, 26.76057243347168, 10.497245788574219, 10.5685453414917, 6.321569442749023, 24.87954330444336, 1.4937667846679688, 2.8311729431152344, 2.617506980895996, 2.253936529159546, 27.586084365844727, 1.928039312362671, 0.332064151763916, 27.967241287231445, 13.688182830810547, 7.266748905181885, 6.436435699462891, 0.04100906848907471, 3.5344371795654297, 0.5165112018585205, 1.7502247095108032, 0.35787999629974365, 0.17038071155548096, 4.846827507019043, 9.460384368896484, -0.042220234870910645, -0.07758915424346924, 0.45439112186431885, 2.7065865993499756, 0.3527265787124634, 11.585165977478027, 18.536218643188477, 0.5681887865066528, 0.9317328333854675, 10.019893646240234, 20.792247772216797, -0.2983943223953247, 0.3195406198501587, 19.661195755004883, 1.2707066535949707, 0.2835969924926758, 0.8441195487976074, 7.566943168640137, 29.836612701416016, -0.2760428190231323, 17.09126853942871, 1.7221546173095703, 4.1815667152404785, 21.375568389892578, 16.577564239501953, 2.490773916244507, 14.519781112670898, 0.044609785079956055, 8.71875286102295, 0.11760163307189941, 1.0518683195114136, 4.9766459465026855, 0.081748366355896, 0.02657186985015869, 11.922404289245605, 0.6511520147323608, 1.1125574111938477, 25.186450958251953, 0.12977087497711182, 0.8458855152130127, 7.51373291015625, -0.11635100841522217, 0.8505932092666626, 28.592498779296875, 0.44653022289276123, 0.09617435932159424, 1.0084172487258911, 20.874126434326172, 13.630599975585938, -0.06843602657318115, -0.27566730976104736, 2.8075501918792725, 2.9581432342529297, 19.21677017211914, -0.027183175086975098, 0.21764075756072998, 4.795015811920166, 32.08536911010742, 2.2941808700561523, 0.5559042692184448, 1.2313330173492432, 0.6683744192123413, 0.2940807342529297, 23.935529708862305, 15.618896484375, 7.606136322021484, 16.290679931640625, 2.9704952239990234, 21.699758529663086, 22.812572479248047, 5.229143142700195, 0.6779934167861938, 0.18246400356292725, 22.268335342407227, -0.08410346508026123, 12.936151504516602, 0.6913002729415894, 0.6070730686187744, 19.844532012939453, -0.23202979564666748, 0.4141882658004761, 26.03964614868164, 22.853981018066406, 0.41343629360198975, 0.2083263397216797, 0.9198389053344727, 0.5044866800308228, 2.0483226776123047, 28.313928604125977, 20.551307678222656, 22.999107360839844, 15.01806926727295, 0.9044989347457886, 7.710995197296143, 7.861501216888428, 0.4703540802001953, 1.7883031368255615, 0.4735386371612549, 0.717131495475769, 31.805192947387695, -0.35351884365081787, 25.442808151245117, 0.6848541498184204, -0.2071467638015747, 22.892051696777344, -0.08443629741668701, 0.44240236282348633, 1.7000032663345337, 3.7838234901428223, 0.20324277877807617, 0.27224791049957275, 21.605632781982422, 17.97162437438965, 22.991893768310547, 19.469688415527344, 0.36030685901641846, 22.397289276123047, 0.1548771858215332, -0.067047119140625, 26.538610458374023, 0.8354995250701904, 1.0276925563812256, 18.466890335083008, 1.3054299354553223, 4.928014755249023, 3.211557388305664, 4.130265712738037, 0.5273325443267822, 1.3760740756988525, 0.07537806034088135, 19.467023849487305, 13.729671478271484, 0.37085771560668945, 0.21824979782104492, 0.6105979681015015, 2.4478118419647217, 5.583630561828613, -0.01821279525756836, -0.1793891191482544, 2.4256927967071533, 23.38637924194336, 0.3250192403793335, 12.153217315673828, 5.075334072113037, 18.0766544342041, -0.04963696002960205, 3.9575891494750977, 26.568513870239258, 15.104718208312988, 0.7684522867202759, 0.01064002513885498, 31.354692459106445, 0.8413339853286743, 7.7714362144470215, 0.6471878290176392, 2.5037708282470703, 17.41444969177246, -0.503740668296814, 0.6687167882919312, 1.1977311372756958, 0.45561063289642334, 6.525284290313721, 0.042976975440979004, 0.9530172348022461, 0.15629541873931885, 6.313907146453857, 30.82345199584961, 17.54757308959961, 25.59341812133789, -0.2894679307937622, 4.512302398681641, 0.48104774951934814, 23.67704200744629, 3.634925365447998, 29.527263641357422, 1.2788112163543701, 27.707170486450195, 1.0963224172592163, 24.217920303344727, 0.08534002304077148, 20.654218673706055, 15.52121639251709, 0.31196630001068115, 0.3451523780822754, 21.535648345947266, 30.164051055908203, 1.0326831340789795, 0.8481941223144531, 4.7418437004089355, 29.516775131225586, 11.224721908569336, 1.5270198583602905, 12.551310539245605, 29.76669692993164, 30.9638729095459, 1.510705828666687, 19.956850051879883, 0.5253473520278931, 21.514102935791016, 30.910511016845703, 0.1362849473953247, 1.2544760704040527, -0.0352858304977417, 0.40838801860809326, 0.2155686616897583, 1.2365622520446777, 0.5071226358413696, 0.2937434911727905, 0.6805610656738281, 2.6778597831726074, 2.3939881324768066, 29.5090274810791, 9.87614631652832, 1.241011381149292, 30.600954055786133, 24.11995506286621, 1.2919421195983887, 14.370387077331543, 21.127756118774414, 0.44862329959869385, 2.202840805053711, -0.23664820194244385, 5.4743852615356445, 1.7588176727294922, 0.5946954488754272, 0.8777008056640625, 0.05628502368927002, 3.5762596130371094, 1.0921447277069092, 0.40424561500549316, 18.137250900268555, 18.608877182006836, 1.6924035549163818, 8.032639503479004, 12.255508422851562, 30.487995147705078, 1.1578432321548462, 0.23441290855407715, 0.6598042249679565, 1.7304989099502563, 19.367929458618164, 0.5524688959121704, 22.665199279785156, 5.08396577835083, 3.8765487670898438, 1.4835259914398193, 0.7523516416549683, 0.7652348279953003, 18.34491729736328, 0.21435129642486572, 0.4064692258834839, 0.7943614721298218, 1.2924911975860596, 16.430030822753906, 1.0615389347076416, 0.3118102550506592, 0.627519965171814, 22.94137954711914, 0.7577053308486938, 31.159225463867188, 1.045928716659546, -0.16091978549957275, 0.05100679397583008, 2.120418071746826, 2.7080957889556885, 24.52369499206543, 0.5532411336898804, 12.749065399169922, 0.454410195350647, 24.034875869750977, 6.796362400054932, 12.806647300720215, 2.406721591949463, 0.5774229764938354, 9.733824729919434, 0.2666870355606079, -0.10058248043060303, 1.81771981716156, 22.85931968688965, 2.416400909423828, -0.05728626251220703, 1.7226974964141846, 26.280670166015625, 0.16243791580200195, 2.338911533355713, 0.22623348236083984, 6.494045734405518, 0.5167849063873291, 6.914002895355225, 0.31161069869995117, 0.4518648386001587, 0.33699679374694824, 0.6303520202636719, 0.7739204168319702, -0.02407670021057129, 0.574781060218811, 26.693218231201172, 0.5990415811538696, 1.1408812999725342, 21.95005226135254, 0.9479954242706299, 3.069429397583008, 23.458541870117188, 0.16125214099884033, 1.543807029724121, 19.4384822845459, 11.926836013793945, -0.19071638584136963, 13.961930274963379, 8.25871753692627, 23.668588638305664, 0.08242654800415039, 24.214853286743164, -0.02409183979034424, 19.69554328918457, 3.323742389678955, 0.40489351749420166, 0.4583209753036499, 0.5828782320022583, 2.13749098777771, 0.9944450855255127, 23.435630798339844, 32.3959846496582, 19.151384353637695, 0.820098876953125, 0.8849664926528931, 0.14789187908172607, 4.277341842651367, 31.306591033935547, 18.604713439941406, 0.3500007390975952, 1.6578415632247925, 20.21067237854004, 24.874549865722656, 0.28596818447113037, 18.95999526977539, 0.02567899227142334, 32.178558349609375, 2.2725467681884766, -0.026965022087097168, 0.9348971843719482, 0.03188049793243408, 5.412200927734375, 2.828399419784546, -0.19025194644927979, 0.7406891584396362, 0.5916441679000854, 1.483903169631958, 30.883533477783203, 6.1332855224609375, 0.20905530452728271, 15.408408164978027, 0.9806864261627197, 23.689699172973633, 2.094660997390747, 3.665072441101074, 4.410717964172363, 0.17971158027648926, 29.860332489013672, 23.572187423706055, 5.850273132324219, 21.499256134033203, 1.423539161682129, 0.1943145990371704, 0.37375175952911377, 0.8874696493148804, 4.42411994934082, 0.18393361568450928, -0.4196082353591919, -0.04353320598602295, 21.440763473510742, 1.408066987991333, 20.839872360229492, 3.4581139087677, 1.3714797496795654, 9.70573616027832, 26.074928283691406, 4.929194450378418, 5.210705280303955, 0.454142689704895, 1.1001936197280884, 13.056503295898438, 10.115458488464355, 2.0827980041503906, 14.104573249816895, 0.29273271560668945, 20.035024642944336, 7.169970989227295, 0.2145756483078003, 1.0081819295883179, 1.3588883876800537, 24.572999954223633, 0.8399639129638672, 7.1290740966796875, 7.144855976104736, 0.2096632719039917, 25.886058807373047, 0.06531453132629395, 0.2172609567642212, 19.75257682800293, 9.291716575622559, 18.262081146240234, 2.557335376739502, 5.591751575469971, -0.1637502908706665, 22.83408546447754, 3.653196334838867, 11.325606346130371, 0.012500286102294922, 13.606816291809082, 6.05917501449585, 1.018007755279541, 0.2768951654434204, -0.10517871379852295, 1.285151481628418, 1.8764548301696777, 22.933977127075195, 0.4936326742172241, -0.21981632709503174, 7.197973728179932, 20.49390983581543, 0.705541729927063, 9.738703727722168, 30.73404884338379, 0.048291802406311035, 29.301729202270508, 1.7528934478759766, 1.869210958480835, 19.299673080444336, 21.67618179321289, 20.522245407104492, 1.3093092441558838, 22.597375869750977, 6.500635147094727, 0.6745429039001465, 1.1490095853805542, 0.402521014213562, 25.720054626464844, 23.545616149902344, 1.5178571939468384, 0.738370418548584, 23.477876663208008, 1.1828798055648804, 16.831750869750977, -0.0015181303024291992, 11.937411308288574, 3.1610989570617676, 0.3506540060043335, 0.5258594751358032, 15.436409950256348, 0.19414150714874268, 9.32144832611084, 12.015353202819824, 9.649521827697754, -0.13024747371673584, 2.050414800643921, 24.742412567138672, 0.465701699256897, 1.2992985248565674, 0.604124903678894, 0.2221912145614624, 0.5073062181472778, 12.734894752502441, 0.5947418212890625, 30.95758628845215, 0.05611741542816162, 0.5387355089187622, -0.09347474575042725, 0.5754344463348389, 0.5464153289794922, 9.250110626220703, 1.0512856245040894, 18.359451293945312, 0.5337487459182739, -0.22222459316253662, 1.5637121200561523, 0.34174370765686035, 0.9305019974708557, 0.9754729270935059, 0.3158010244369507, 1.0278244018554688, 10.416717529296875, 0.7489330768585205, -0.6507190465927124, 0.4779573678970337, 0.33557796478271484, 11.165018081665039, 4.7689528465271, -0.02594125270843506, 30.264690399169922, 0.6467505693435669, 25.08934783935547, 0.3788086175918579, 0.6555233001708984, 9.678361892700195, 1.1414750814437866, 0.41412341594696045, 1.4908252954483032, 11.20497989654541, 15.879467964172363, 29.796245574951172, 0.330330491065979, 2.9494400024414062, 0.8400965929031372, 0.26994597911834717, 1.7084147930145264, 20.43552589416504, 27.29722023010254, 7.897611618041992, 0.9602010846138, 0.10564100742340088, 27.048795700073242, 0.2991604804992676, 22.898006439208984, 0.8886739611625671, 14.227822303771973, 0.16289663314819336, 0.42636096477508545, 14.510558128356934, 22.69573211669922, 0.4980109930038452, 0.726172924041748, -0.400882363319397, 0.5591138601303101, 6.805006980895996, 6.64430570602417, -0.2593649625778198, 27.388538360595703, 23.382999420166016, 10.060592651367188, 8.310102462768555, 0.1665879487991333, 0.4020789861679077, 0.3208101987838745, 0.1345595121383667, 0.11594283580780029, 14.580316543579102, 7.742711067199707, 28.566667556762695, 0.22377026081085205, 25.241411209106445, 1.5991833209991455, 0.19389796257019043, 1.9303922653198242, 11.286643028259277, 1.0799593925476074, 0.36123907566070557, 1.4238193035125732, 2.1338577270507812, 0.062388062477111816, 26.00481414794922, 1.1003776788711548, 26.974151611328125, 20.17342758178711, 14.85848331451416, 2.4978508949279785, 22.67441749572754, 0.7928651571273804, 4.71489953994751, 0.4779423475265503, 0.6668426990509033, 15.471797943115234, 1.0873382091522217, 17.40875816345215, 28.6568546295166, 16.64706802368164, 0.5200964212417603, 27.597591400146484, 0.21975553035736084, 0.41461706161499023, 1.4945874214172363, 0.5531376600265503, 16.59687614440918, 12.317758560180664, 0.3114081621170044, 25.064655303955078, 0.6459029912948608, 0.012824654579162598, 1.0315885543823242, 0.5195547342300415, 0.4472217559814453, 3.4547555446624756, 27.12285041809082, 34.810882568359375, 17.740819931030273, 5.7639288902282715, 0.707100510597229, 30.661462783813477, 1.8896484375, 23.938854217529297, 4.779884338378906, 25.533536911010742, 1.3273882865905762, 5.235062122344971, 21.458160400390625, 22.38359832763672, 21.883481979370117, 2.455625057220459, 16.353918075561523, 2.2429656982421875, 21.689109802246094, 28.922420501708984, 4.853070259094238, 4.744616508483887, 6.99627685546875, 14.292243957519531, 0.42603611946105957, 0.20496129989624023, 0.6147866249084473, -0.21629154682159424, 2.4244751930236816, 1.323452353477478, 2.9088006019592285, 0.29138410091400146, 1.3238531351089478, 0.7608851194381714, 18.265769958496094, 0.3744499683380127, 9.23872184753418, 0.8142349720001221, 0.5429881811141968, 0.7740112543106079, 24.991416931152344, 3.325863838195801, 0.11124932765960693, 0.7046564817428589, 0.9225003719329834, 9.443977355957031, 11.755001068115234, 0.4348636865615845, -0.09955465793609619, 0.14033114910125732, -0.003641366958618164, 30.298065185546875, 6.246337413787842, 0.2501300573348999, 4.71834659576416, 27.0615234375, 7.515200614929199, 1.3054473400115967, 0.04371917247772217, 26.881418228149414, 0.9232635498046875, 0.32598888874053955, 0.5795383453369141, 6.344144821166992, 2.263118028640747, 27.181087493896484, 0.31531572341918945, 4.641384601593018, 0.34272491931915283, 0.302005410194397, 6.305731773376465, -0.13017094135284424, 0.07233977317810059, 9.33462905883789, 0.6778502464294434, 2.5010907649993896, 0.20586884021759033, 0.31442809104919434, 9.738736152648926, 19.507190704345703, 10.65102481842041, 1.555154800415039, 22.11772346496582, -0.08341729640960693, 0.016006827354431152, 22.095369338989258, 20.289642333984375, 10.799284934997559, 19.241552352905273, 20.57680892944336, 4.386054515838623, 0.37539494037628174, 0.717077374458313, 23.53598976135254, 20.04070281982422, 4.179173946380615, 12.117349624633789, 0.07765066623687744, 1.0999244451522827, 17.81009864807129, 0.321952223777771, 0.9032325744628906, 0.9462717175483704, 0.32412075996398926, 29.469968795776367, 5.228514194488525, 22.675745010375977, 25.15427017211914, 14.283851623535156, 9.05231761932373, 1.9337694644927979, 0.08920347690582275, 26.80906105041504, 0.20068705081939697, 0.055467963218688965, 21.630599975585938, 4.37924337387085, 4.033980369567871, 20.417020797729492, 0.07132649421691895, 0.49755990505218506, 8.890181541442871, 0.5029629468917847, 5.402968883514404, 0.2775195837020874, 22.612720489501953, 0.1709223985671997, 0.22886383533477783, 0.5020351409912109, 0.8527711033821106, 25.306982040405273, 19.163373947143555, 0.24592149257659912, 1.9867582321166992, 0.047824859619140625, 25.68820571899414, 0.19843220710754395, 8.281620025634766, 24.824731826782227, 13.379751205444336, 0.21415412425994873, 1.3581953048706055, 1.1263554096221924, 0.31776416301727295, 18.50279426574707, 1.1759345531463623, -0.13817083835601807, 22.907947540283203, 0.7640269994735718, 1.6869851350784302, 0.9324765205383301, 0.1861027479171753, 21.63283348083496, 0.4930485486984253, 18.491313934326172, 0.18258631229400635, 25.920654296875, 1.5523302555084229, 23.806447982788086, 4.191527843475342, 13.0654878616333, 15.63886547088623, 0.15930306911468506, 0.18345165252685547, 11.530467987060547, 0.393222451210022, 23.418771743774414, 3.624250888824463, -0.2050076723098755, 16.712055206298828, 0.9931340217590332, 13.41269302368164, 0.3529707193374634, 14.497900009155273, 18.24700164794922, 0.5988526344299316, 1.1991826295852661, 2.654550313949585, 19.5911865234375, 29.608339309692383, 1.5054279565811157, 23.505537033081055, 0.45845091342926025, 0.8315564393997192, 0.15996968746185303, 5.173901081085205, 1.823790192604065, 1.1625566482543945, -0.13895189762115479, 0.8629887104034424, -0.4592040777206421, 13.578780174255371, 0.15266156196594238, 2.6350021362304688, 1.1939988136291504, 12.24713134765625, 24.315677642822266, 0.376554012298584, 0.03517866134643555, -0.11216318607330322, 22.890642166137695, 18.318801879882812, 0.21728193759918213, 7.903872966766357, 27.121135711669922, 1.3015410900115967, 0.022237300872802734, 19.610877990722656, 20.795581817626953, 0.32534754276275635, 7.519457817077637, 18.136516571044922, 16.46806526184082, 2.6536569595336914, 4.72900390625, 2.520346164703369, 9.042069435119629, 22.001739501953125, 15.855683326721191, 0.3344449996948242, 28.04874038696289, 1.1149379014968872, 0.859855592250824, 6.2354655265808105, 28.089447021484375, 3.1003384590148926, 2.535961151123047, 4.272974491119385, 2.9539923667907715, 4.925856113433838, 0.41639506816864014, 0.13415753841400146, 27.57327651977539, 0.9491442441940308, 2.8374462127685547, 0.45849549770355225, 0.22270989418029785, 11.973957061767578, 20.989822387695312, 1.1874414682388306, 20.20499038696289, 15.319958686828613, 25.685422897338867, 2.414213180541992, 0.18985331058502197, 13.400229454040527, 14.423233985900879, 0.24946379661560059, 0.9151461720466614, -0.03741586208343506, 30.26460838317871, -0.2730973958969116, 6.738896369934082, -0.03861391544342041, 2.1586458683013916, -0.14494526386260986, 23.247644424438477, 30.748292922973633, 8.992132186889648, 1.896655559539795, 0.040995001792907715, 28.478418350219727, 0.7071961164474487, 23.526113510131836, 2.6071584224700928, 0.09718167781829834, 22.38673210144043, 0.4455810785293579, 21.99529266357422, 3.2234907150268555, 2.306377649307251, 26.239055633544922, 25.62002944946289, -0.19409573078155518, 0.9421756267547607, 5.220980167388916, -0.395548939704895, 0.39828813076019287, 0.38479912281036377, 1.012546420097351, 0.23675811290740967, 25.219369888305664, 0.2054382562637329, 20.5365047454834, 0.045107126235961914, -0.5469976663589478, 16.796499252319336, 23.731212615966797, 28.686546325683594, 22.156482696533203, 12.659504890441895, 10.333050727844238, 24.850994110107422, 0.48501789569854736, 2.7225303649902344, 24.62662696838379, 0.11424922943115234, 2.913623332977295, 19.26319694519043, 0.49728643894195557, 27.654830932617188, 1.2122881412506104, 5.413356781005859, 2.1243486404418945, 3.753955841064453, 16.68230438232422, 0.12357437610626221, 24.222204208374023, 0.024467825889587402, 0.037873268127441406, 25.838590621948242, 0.5057212114334106, 11.623228073120117, 24.954423904418945, -0.03920471668243408, 3.2420544624328613, 17.5576229095459, 17.918575286865234, 0.7921817302703857, 18.87360954284668, 2.2059812545776367, 17.803592681884766, -0.003873467445373535, 0.482063889503479]

In [62]:

# September

Epoch #: 1

Epoch: 1 Training Loss: 52.354655 Validation Loss: 43.138988

Validation loss decreased (inf --> 43.138988). Saving model ...

Time: 221.7558629512787

Current Time = 01:29:13

LR: 0.001

Epoch #: 2

Epoch: 2 Training Loss: 42.257910 Validation Loss: 36.062293

Validation loss decreased (43.138988 --> 36.062293). Saving model ...

Time: 170.58936429023743

Current Time = 01:32:03

LR: 0.001

Epoch #: 3

Epoch: 3 Training Loss: 34.161565 Validation Loss: 31.533632

Validation loss decreased (36.062293 --> 31.533632). Saving model ...

Time: 169.86628937721252

Current Time = 01:34:53

LR: 0.001

Epoch #: 4

Epoch: 4 Training Loss: 31.645095 Validation Loss: 26.156677

Validation loss decreased (31.533632 --> 26.156677). Saving model ...

Time: 169.0958685874939

Current Time = 01:37:42

LR: 0.001

Epoch #: 5

Epoch: 5 Training Loss: 29.414801 Validation Loss: 25.182332

Validation loss decreased (26.156677 --> 25.182332). Saving model ...

Time: 169.65287160873413

Current Time = 01:40:32

LR: 0.001

Epoch #: 6

Epoch: 6 Training Loss: 28.857535 Validation Loss: 27.139045

Time: 170.24778628349304

Current Time = 01:43:22

LR: 0.001

Epoch #: 7

Epoch: 7 Training Loss: 28.037922 Validation Loss: 23.122616

Validation loss decreased (25.182332 --> 23.122616). Saving model ...

Time: 169.83389687538147

Current Time = 01:46:12

LR: 0.001

Epoch #: 8

Epoch: 8 Training Loss: 27.347065 Validation Loss: 25.152712

Time: 169.2534384727478

Current Time = 01:49:01

LR: 0.001

Epoch #: 9

Epoch: 9 Training Loss: 26.487855 Validation Loss: 24.199670

Time: 170.06426668167114

Current Time = 01:51:51

LR: 0.001

Epoch #: 10

Epoch: 10 Training Loss: 26.167070 Validation Loss: 24.401249

Time: 170.05530309677124

Current Time = 01:54:41

LR: 0.001

Epoch #: 11

Epoch: 11 Training Loss: 24.355134 Validation Loss: 21.954165

Validation loss decreased (23.122616 --> 21.954165). Saving model ...

Time: 169.91317796707153

Current Time = 01:57:31

LR: 0.001

Epoch #: 12

Epoch: 12 Training Loss: 23.999118 Validation Loss: 21.436450

Validation loss decreased (21.954165 --> 21.436450). Saving model ...

Time: 169.35863542556763

Current Time = 02:00:21

LR: 0.001

Epoch #: 13

Epoch: 13 Training Loss: 24.040752 Validation Loss: 21.779781

Time: 169.5237078666687

Current Time = 02:03:10

LR: 0.001

Epoch #: 14

Epoch: 14 Training Loss: 22.460257 Validation Loss: 21.894999

Time: 169.1522126197815

Current Time = 02:05:59

LR: 0.001

Epoch #: 15

Epoch: 15 Training Loss: 22.247028 Validation Loss: 23.111475

Time: 169.31876826286316

Current Time = 02:08:49

LR: 0.001

Epoch #: 16

Epoch: 16 Training Loss: 21.779168 Validation Loss: 19.303424

Validation loss decreased (21.436450 --> 19.303424). Saving model ...

Time: 169.14472579956055

Current Time = 02:11:38

LR: 0.001

Epoch #: 17

Epoch: 17 Training Loss: 21.246209 Validation Loss: 17.949872

Validation loss decreased (19.303424 --> 17.949872). Saving model ...

Time: 169.16365027427673

Current Time = 02:14:27

LR: 0.001

Epoch #: 18

Epoch: 18 Training Loss: 21.333796 Validation Loss: 20.024963

Time: 169.15968227386475

Current Time = 02:17:16

LR: 0.001

Epoch #: 19

Epoch: 19 Training Loss: 19.947017 Validation Loss: 18.218415

Time: 169.37611889839172

Current Time = 02:20:06

LR: 0.001

Epoch #: 20

Epoch: 20 Training Loss: 19.784005 Validation Loss: 18.533871

Time: 169.3686330318451

Current Time = 02:22:55

LR: 0.001

Epoch #: 21

Epoch: 21 Training Loss: 19.462190 Validation Loss: 16.649403

Validation loss decreased (17.949872 --> 16.649403). Saving model ...

Time: 169.32472610473633

Current Time = 02:25:44

LR: 0.001

Epoch #: 22

Epoch: 22 Training Loss: 19.184448 Validation Loss: 19.170376

Time: 169.25143361091614

Current Time = 02:28:34

LR: 0.001

Epoch #: 23

Epoch: 23 Training Loss: 19.433374 Validation Loss: 20.678839

Time: 169.62295413017273

Current Time = 02:31:23

LR: 0.001

Epoch #: 24

Epoch: 24 Training Loss: 18.741404 Validation Loss: 18.442399

Time: 169.68429517745972

Current Time = 02:34:13

LR: 0.001

Epoch #: 25

Epoch: 25 Training Loss: 18.420221 Validation Loss: 17.693267

Time: 169.1666796207428

Current Time = 02:37:02

LR: 0.001

Epoch #: 26

Epoch: 26 Training Loss: 17.439293 Validation Loss: 17.444252

Time: 169.31876635551453

Current Time = 02:39:51

LR: 0.001

Epoch #: 27

Epoch: 27 Training Loss: 17.547829 Validation Loss: 16.904802

Time: 169.27239680290222

Current Time = 02:42:41

LR: 0.001

Epoch #: 28

Epoch: 28 Training Loss: 16.538841 Validation Loss: 17.264135

Time: 169.72368550300598

Current Time = 02:45:30

LR: 0.001

Epoch #: 29

Epoch: 29 Training Loss: 17.018486 Validation Loss: 17.059192

Time: 169.33472537994385

Current Time = 02:48:20

LR: 0.001

Epoch #: 30

Epoch: 30 Training Loss: 16.518751 Validation Loss: 17.720755

Time: 169.33620190620422

Current Time = 02:51:09

LR: 0.001

Epoch #: 31

Epoch: 31 Training Loss: 16.493516 Validation Loss: 16.409687

Validation loss decreased (16.649403 --> 16.409687). Saving model ...

Time: 169.09086084365845

Current Time = 02:53:58

LR: 0.001

Epoch #: 32

Epoch: 32 Training Loss: 16.071005 Validation Loss: 16.696196

Time: 169.30627012252808

Current Time = 02:56:47

LR: 0.001

Epoch #: 33

Epoch: 33 Training Loss: 15.751482 Validation Loss: 15.738637

Validation loss decreased (16.409687 --> 15.738637). Saving model ...

Time: 169.59451746940613

Current Time = 02:59:37

LR: 0.001

Epoch #: 34

Epoch: 34 Training Loss: 15.751894 Validation Loss: 16.255484

Time: 177.44251251220703

Current Time = 03:02:35

LR: 0.001

Epoch #: 35

Epoch: 35 Training Loss: 15.484946 Validation Loss: 14.587056

Validation loss decreased (15.738637 --> 14.587056). Saving model ...

Time: 177.2251307964325

Current Time = 03:05:32

LR: 0.001

Epoch #: 36

Epoch: 36 Training Loss: 15.408947 Validation Loss: 15.922894

Time: 195.1222369670868

Current Time = 03:08:47

LR: 0.001

Epoch #: 37

Epoch: 37 Training Loss: 15.508883 Validation Loss: 14.514760

Validation loss decreased (14.587056 --> 14.514760). Saving model ...

Time: 205.61468768119812

Current Time = 03:12:13

LR: 0.001

Epoch #: 38

Epoch: 38 Training Loss: 15.131794 Validation Loss: 15.958154

Time: 208.03240942955017

Current Time = 03:15:41

LR: 0.001

Epoch #: 39

Epoch: 39 Training Loss: 14.969012 Validation Loss: 16.587933

Time: 197.4530050754547

Current Time = 03:18:58

LR: 0.001

Epoch #: 40

Epoch: 40 Training Loss: 14.208669 Validation Loss: 14.962840

Time: 171.3169105052948

Current Time = 03:21:49

LR: 0.001

Epoch #: 41

Epoch: 41 Training Loss: 14.627500 Validation Loss: 14.218910

Validation loss decreased (14.514760 --> 14.218910). Saving model ...

Time: 170.8880774974823

Current Time = 03:24:40

LR: 0.0009699999999999999

Epoch #: 42

Epoch: 42 Training Loss: 14.239443 Validation Loss: 14.986884

Time: 170.09917855262756

Current Time = 03:27:30

LR: 0.0009408999999999999

Epoch #: 43

Epoch: 43 Training Loss: 13.239272 Validation Loss: 14.716204

Time: 170.3619794845581

Current Time = 03:30:21

LR: 0.0009126729999999999

Epoch #: 44

Epoch: 44 Training Loss: 13.316220 Validation Loss: 14.519839

Time: 170.00344061851501

Current Time = 03:33:11

LR: 0.0008852928099999999

Epoch #: 45

Epoch: 45 Training Loss: 13.251235 Validation Loss: 13.618561

Validation loss decreased (14.218910 --> 13.618561). Saving model ...

Time: 169.88576245307922

Current Time = 03:36:01

LR: 0.0008587340256999998

Epoch #: 46

Epoch: 46 Training Loss: 12.834696 Validation Loss: 15.589290

Time: 170.93493914604187

Current Time = 03:38:52

LR: 0.0008329720049289999

Epoch #: 47

Epoch: 47 Training Loss: 13.056696 Validation Loss: 14.430079

Time: 171.62012219429016

Current Time = 03:41:43

LR: 0.0008079828447811299

Epoch #: 48

Epoch: 48 Training Loss: 11.787007 Validation Loss: 12.892394

Validation loss decreased (13.618561 --> 12.892394). Saving model ...

Time: 170.00742149353027

Current Time = 03:44:33

LR: 0.0007837433594376959

Epoch #: 49

Epoch: 49 Training Loss: 12.195560 Validation Loss: 13.086854

Time: 170.38039708137512

Current Time = 03:47:24

LR: 0.000760231058654565

Epoch #: 50

Epoch: 50 Training Loss: 11.561622 Validation Loss: 13.300854

Time: 169.8972179889679

Current Time = 03:50:13

LR: 0.000737424126894928

Epoch #: 51

Epoch: 51 Training Loss: 11.369539 Validation Loss: 13.235879

Time: 169.68130373954773

Current Time = 03:53:03

LR: 0.0007153014030880802

Epoch #: 52

Epoch: 52 Training Loss: 11.250458 Validation Loss: 13.035885

Time: 170.27669858932495

Current Time = 03:55:53

LR: 0.0006938423609954377

Epoch #: 53

Epoch: 53 Training Loss: 10.839506 Validation Loss: 13.378557

Time: 170.44326615333557

Current Time = 03:58:44

LR: 0.0006730270901655745

Epoch #: 54

Epoch: 54 Training Loss: 11.396104 Validation Loss: 12.457088

Validation loss decreased (12.892394 --> 12.457088). Saving model ...

Time: 171.1144721508026

Current Time = 04:01:35

LR: 0.0006528362774606073

Epoch #: 55

Epoch: 55 Training Loss: 10.833777 Validation Loss: 14.165585

Time: 171.52735018730164

Current Time = 04:04:27

LR: 0.0006332511891367891

Epoch #: 56

Epoch: 56 Training Loss: 10.823633 Validation Loss: 12.806211

Time: 169.56160402297974

Current Time = 04:07:16

LR: 0.0006142536534626854

Epoch #: 57

Epoch: 57 Training Loss: 10.178060 Validation Loss: 13.129294

Time: 169.3137812614441

Current Time = 04:10:05

LR: 0.0005958260438588048

Epoch #: 58

Epoch: 58 Training Loss: 10.636656 Validation Loss: 11.885690

Validation loss decreased (12.457088 --> 11.885690). Saving model ...

Time: 169.29582858085632

Current Time = 04:12:55

LR: 0.0005779512625430406

Epoch #: 59

Epoch: 59 Training Loss: 10.035285 Validation Loss: 12.260487

Time: 170.7713897228241

Current Time = 04:15:46

LR: 0.0005606127246667494

Epoch #: 60

Epoch: 60 Training Loss: 9.718658 Validation Loss: 12.535641

Time: 169.63292813301086

Current Time = 04:18:35

LR: 0.0005437943429267469

Epoch #: 61

Epoch: 61 Training Loss: 9.930877 Validation Loss: 11.803170

Validation loss decreased (11.885690 --> 11.803170). Saving model ...

Time: 170.83720350265503

Current Time = 04:21:26

LR: 0.0005274805126389445

Epoch #: 62

Epoch: 62 Training Loss: 9.566581 Validation Loss: 11.953806

Time: 169.39207863807678

Current Time = 04:24:15

LR: 0.0005116560972597762

Epoch #: 63

Epoch: 63 Training Loss: 9.280236 Validation Loss: 12.144015

Time: 169.74413633346558

Current Time = 04:27:05

LR: 0.0004963064143419829

Epoch #: 64

Epoch: 64 Training Loss: 9.537008 Validation Loss: 12.858914

Time: 169.47734594345093

Current Time = 04:29:55

LR: 0.00048141722191172336

Epoch #: 65

Epoch: 65 Training Loss: 9.407510 Validation Loss: 11.854930

Time: 170.0592942237854

Current Time = 04:32:45

LR: 0.00046697470525437166

Epoch #: 66

Epoch: 66 Training Loss: 9.209734 Validation Loss: 11.972402

Time: 171.36829161643982

Current Time = 04:35:36

LR: 0.0004529654640967405

Epoch #: 67

Epoch: 67 Training Loss: 8.857675 Validation Loss: 12.322101

Time: 169.30879497528076

Current Time = 04:38:25

LR: 0.0004393765001738382

Epoch #: 68

Epoch: 68 Training Loss: 9.157774 Validation Loss: 11.939757

Time: 169.7994830608368

Current Time = 04:41:15

LR: 0.00042619520516862307

Epoch #: 69

Epoch: 69 Training Loss: 9.081121 Validation Loss: 11.219267

Validation loss decreased (11.803170 --> 11.219267). Saving model ...

Time: 169.44992399215698

Current Time = 04:44:05

LR: 0.00041340934901356436

Epoch #: 70

Epoch: 70 Training Loss: 8.800372 Validation Loss: 11.144262

Validation loss decreased (11.219267 --> 11.144262). Saving model ...

Time: 169.6174635887146

Current Time = 04:46:54

LR: 0.0004010070685431574

Epoch #: 71

Epoch: 71 Training Loss: 9.068541 Validation Loss: 11.758225

Time: 170.08223223686218

Current Time = 04:49:44

LR: 0.0003889768564868627

Epoch #: 72

Epoch: 72 Training Loss: 8.575514 Validation Loss: 11.485465

Time: 169.45690536499023

Current Time = 04:52:34

LR: 0.0003773075507922568

Epoch #: 73

Epoch: 73 Training Loss: 8.817937 Validation Loss: 11.209072

Time: 169.12927412986755

Current Time = 04:55:23

LR: 0.0003659883242684891

Epoch #: 74

Epoch: 74 Training Loss: 8.771143 Validation Loss: 12.416373

Time: 169.5137529373169

Current Time = 04:58:13

LR: 0.00035500867454043444

Epoch #: 75

Epoch: 75 Training Loss: 8.656520 Validation Loss: 12.412823

Time: 169.5317041873932

Current Time = 05:01:02

LR: 0.0003443584143042214

Epoch #: 76

Epoch: 76 Training Loss: 8.641110 Validation Loss: 11.358852

Time: 169.72567796707153

Current Time = 05:03:52

LR: 0.00033402766187509475

Epoch #: 77

Epoch: 77 Training Loss: 8.134901 Validation Loss: 11.576675

Time: 169.63044095039368

Current Time = 05:06:41

LR: 0.0003240068320188419

Epoch #: 78

Epoch: 78 Training Loss: 8.244505 Validation Loss: 11.911604

Time: 169.7660777568817

Current Time = 05:09:31

LR: 0.00031428662705827666

Epoch #: 79

Epoch: 79 Training Loss: 8.181549 Validation Loss: 11.513060

Time: 169.59702348709106

Current Time = 05:12:21

LR: 0.00030485802824652835

Epoch #: 80

Epoch: 80 Training Loss: 8.356122 Validation Loss: 12.025885

Time: 169.63742017745972

Current Time = 05:15:10

LR: 0.0002957122873991325

Operation Complete

[52.354654852426144, 42.25791044947157, 34.16156516616034, 31.645095476847644, 29.41480065314644, 28.857534905169437, 28.0379221861465, 27.347064876024366, 26.487855353908333, 26.167069863199288, 24.35513427601537, 23.99911810422177, 24.040752329261768, 22.460256530768714, 22.247028488041014, 21.779167939075414, 21.246209175919038, 21.33379576512065, 19.947017120906867, 19.784005023977873, 19.462189693065387, 19.1844477239174, 19.433374011652617, 18.741404478415614, 18.420221187206206, 17.4392933226516, 17.547828734261163, 16.538840734384102, 17.01848615848389, 16.5187511449983, 16.493515672929327, 16.07100540683788, 15.751481747989235, 15.751893893874223, 15.484946093832326, 15.408947027528848, 15.50888306959258, 15.131793690518544, 14.96901190618597, 14.208669154663934, 14.627499608236052, 14.239442864433311, 13.239272102564787, 13.31621978211019, 13.251234958668409, 12.83469598822786, 13.056695924870274, 11.787006897992653, 12.195559881152313, 11.56162247324709, 11.369539267818336, 11.250458026979372, 10.839506083492449, 11.396103880216907, 10.83377666104853, 10.823632527356093, 10.178059589031978, 10.636655685777502, 10.035285091027237, 9.718658496861257, 9.930876693855922, 9.566581137813909, 9.280236249740629, 9.537007926655612, 9.407510388619015, 9.209734014843349, 8.85767547790791, 9.157773983722699, 9.081120840371542, 8.800371920519504, 9.068541245199839, 8.575513853969946, 8.81793719882972, 8.771142706891439, 8.656519901905522, 8.641110031904066, 8.134901437310937, 8.244505483469604, 8.181549439380191, 8.356122246877176]

[43.138987509439836, 36.062292740798135, 31.533632291932825, 26.156677313480387, 25.18233172219782, 27.139045083556823, 23.122615867064862, 25.152712485911618, 24.199670337020045, 24.40124926504127, 21.954165182660354, 21.43644951798596, 21.779780744258616, 21.894998670689457, 23.11147457548372, 19.30342424086, 17.949871839765816, 20.024963142359177, 18.2184148830079, 18.533870716927506, 16.649403336386133, 19.17037562843054, 20.678838857007413, 18.44239888701067, 17.693267368170105, 17.444251957788115, 16.904801865780883, 17.264134932967785, 17.059192436604587, 17.72075543235757, 16.409686936510393, 16.69619639709833, 15.73863667136255, 16.25548356765798, 14.587055726747758, 15.922893652339758, 14.514760051904464, 15.958153896395304, 16.587933230921838, 14.962839976591116, 14.218909843550989, 14.986883976990331, 14.716204204448596, 14.519839450078958, 13.618560735664405, 15.589289776832008, 14.430079085842753, 12.892394413049736, 13.086853773167427, 13.300853568326849, 13.235879229574858, 13.035884555808483, 13.378556863891296, 12.457088245452868, 14.165585493185088, 12.806210550691375, 13.129294295065977, 11.885689504036979, 12.260487437985491, 12.535641433694156, 11.803170065320213, 11.953806347556618, 12.144014957912983, 12.858913637931636, 11.854929916156575, 11.972402104383049, 12.322101426070697, 11.939757078687538, 11.219267496316348, 11.14426183334767, 11.758224739305867, 11.485464969467369, 11.209071915479754, 12.416373179419113, 12.412822520954057, 11.358851696356606, 11.576675326908122, 11.911604277527298, 11.513059954930782, 12.025885042919645]

[1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80]

[0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.0009699999999999999, 0.0009408999999999999, 0.0009126729999999999, 0.0008852928099999999, 0.0008587340256999998, 0.0008329720049289999, 0.0008079828447811299, 0.0007837433594376959, 0.000760231058654565, 0.000737424126894928, 0.0007153014030880802, 0.0006938423609954377, 0.0006730270901655745, 0.0006528362774606073, 0.0006332511891367891, 0.0006142536534626854, 0.0005958260438588048, 0.0005779512625430406, 0.0005606127246667494, 0.0005437943429267469, 0.0005274805126389445, 0.0005116560972597762, 0.0004963064143419829, 0.00048141722191172336, 0.00046697470525437166, 0.0004529654640967405, 0.0004393765001738382, 0.00042619520516862307, 0.00041340934901356436, 0.0004010070685431574, 0.0003889768564868627, 0.0003773075507922568, 0.0003659883242684891, 0.00035500867454043444, 0.0003443584143042214, 0.00033402766187509475, 0.0003240068320188419, 0.00031428662705827666, 0.00030485802824652835, 0.0002957122873991325]

test loss from 0 : 36.858863830566406

Output of network: tensor([ 0.5795, 1.5024, 21.6209, 17.3754, 13.5642, 8.9971], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 31.6512, 9.7729, 17.4062, 2.2596], device='cuda:0')

loss from this run: 36.858863830566406

Output 3 : 21.620864868164062

Output 4 : 17.3753719329834

Output 5 : 13.564214706420898

Output 6 : 8.997079849243164

Target 3 : 31.651229858398438

Target 4 : 9.772919654846191

Target 5 : 17.40624237060547

Target 6 : 2.259610414505005

test loss from 1 : 13.1768217086792

Output of network: tensor([ 0.9815, 15.3274, 0.5580, 1.7632, 0.4686, 2.3982], device='cuda:0')

Target Values: tensor([ 0.0000, 16.1124, 0.0000, 5.8399, 0.0000, 10.1655], device='cuda:0')

loss from this run: 13.1768217086792

Output 2 : 15.32736873626709

Output 6 : 2.398232936859131

Target 2 : 16.112369537353516

Target 4 : 5.839871883392334

Target 6 : 10.165541648864746

test loss from 2 : 20.223936080932617

Output of network: tensor([ 0.3989, 20.5235, 6.8373, 1.1100, 25.0565, 24.2837], device='cuda:0')

Target Values: tensor([ 0.0000, 11.6955, 3.5764, 0.0000, 26.0226, 18.7653], device='cuda:0')

test loss from 2 : 25.805320739746094

Output of network: tensor([24.3044, 0.9337, 4.4546, 0.5063, 15.5797, 0.6382], device='cuda:0')

Target Values: tensor([19.7189, 0.0000, 15.3114, 0.0000, 19.3742, 0.0000], device='cuda:0')

test loss from 2 : 44.84795379638672

Output of network: tensor([26.4069, 15.2485, 0.7788, 35.8072, 10.1648, 0.2896], device='cuda:0')

Target Values: tensor([11.4614, 10.6768, 0.0000, 32.5075, 13.8033, 0.0000], device='cuda:0')

test loss from 2 : 5.477078914642334

Output of network: tensor([17.1075, -0.0772, 2.8082, 8.3898, 19.8155, 0.2475], device='cuda:0')

Target Values: tensor([11.5145, 0.0000, 2.3548, 7.5200, 20.5586, 0.0000], device='cuda:0')

test loss from 2 : 9.451440811157227

Output of network: tensor([27.7869, 0.3391, 24.3872, 0.7121, 0.0412, 11.5390], device='cuda:0')

Target Values: tensor([22.9698, 0.0000, 19.9472, 0.0000, 0.0000, 15.1676], device='cuda:0')

test loss from 2 : 2.8224258422851562

Output of network: tensor([13.3055, 0.4640, 0.4741, 0.4349, 0.8464, 1.1305], device='cuda:0')

Target Values: tensor([17.0884, 0.0000, 0.0000, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 3.5586678981781006

Output of network: tensor([23.1361, 0.6765, 0.6395, 0.1738, 1.5853, -0.0281], device='cuda:0')

Target Values: tensor([18.6469, 0.0000, 0.0000, 0.0000, 1.0360, 0.0000], device='cuda:0')

test loss from 2 : 5.914986610412598

Output of network: tensor([ 1.7995, 6.0196, 1.2871, 0.4686, 0.3772, 25.1696], device='cuda:0')

Target Values: tensor([ 0.0000, 2.9783, 5.1367, 0.0000, 0.0000, 22.3729], device='cuda:0')

test loss from 2 : 7.225404739379883

Output of network: tensor([ 1.5870, 23.6112, 23.3508, 3.2030, -0.0340, 0.3622], device='cuda:0')

Target Values: tensor([ 0.0000, 18.7778, 27.4881, 2.7310, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 16.738040924072266

Output of network: tensor([ 5.9537, 24.4634, 0.7297, 30.1690, 28.7498, 2.0099], device='cuda:0')

Target Values: tensor([ 8.8163, 32.6879, 0.0000, 26.4468, 26.9686, 4.6616], device='cuda:0')

test loss from 2 : 29.926475524902344

Output of network: tensor([ 1.2118, 18.3800, 21.1753, 0.2294, 0.5344, 32.7269], device='cuda:0')

Target Values: tensor([ 0.0000, 30.4395, 24.3633, 0.0000, 0.0000, 28.0198], device='cuda:0')

test loss from 2 : 49.02394104003906

Output of network: tensor([21.8168, 5.7145, 0.5395, 14.4683, 3.8848, -0.2210], device='cuda:0')

Target Values: tensor([19.7365, 20.1955, 0.0000, 23.2546, 5.4902, 0.0000], device='cuda:0')

test loss from 2 : 7.9987030029296875

Output of network: tensor([30.6384, 0.1127, -0.3923, 0.7558, 19.5983, 0.4066], device='cuda:0')

Target Values: tensor([35.5903, 0.0000, 0.0000, 0.0000, 24.3488, 0.0000], device='cuda:0')

test loss from 2 : 31.645917892456055

Output of network: tensor([1.2968e+00, 1.8374e+00, 1.1411e-02, 3.9575e-01, 9.6285e+00, 1.7627e+01],

device='cuda:0')

Target Values: tensor([ 0.0000, 6.4154, 0.0000, 0.0000, 5.4139, 29.8461], device='cuda:0')

test loss from 2 : 4.107618808746338

Output of network: tensor([-0.5127, 5.2451, 14.3809, 0.5017, 5.5780, 0.7297], device='cuda:0')

Target Values: tensor([ 0.0000, 1.3823, 17.1680, 0.0000, 6.5318, 0.0000], device='cuda:0')

test loss from 2 : 5.50800895690918

Output of network: tensor([ 6.4044, 1.5738, 18.0566, 0.2612, 0.7828, 0.1526], device='cuda:0')

Target Values: tensor([11.8499, 0.0000, 18.5186, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 9.79057788848877

Output of network: tensor([15.5893, 0.9166, 0.3770, 26.9154, 8.8867, 20.1320], device='cuda:0')

Target Values: tensor([15.9878, 0.0000, 0.0000, 28.1947, 9.4896, 27.5887], device='cuda:0')

test loss from 2 : 15.27937126159668

Output of network: tensor([ 1.0712, 5.1183, 21.1304, 0.5407, 0.2823, 1.9561], device='cuda:0')

Target Values: tensor([ 0.0000, 7.3114, 26.5146, 0.0000, 0.0000, 9.4633], device='cuda:0')

test loss from 2 : 9.711688041687012

Output of network: tensor([17.7846, 19.3432, 0.6894, 1.7671, 1.2667, 25.4451], device='cuda:0')

Target Values: tensor([15.9872, 18.3791, 0.0000, 8.9759, 0.0000, 25.1936], device='cuda:0')

test loss from 2 : 1.9496101140975952

Output of network: tensor([ 0.1440, 0.3731, 27.3470, 21.6847, 25.5496, 1.0880], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 26.4557, 19.5259, 27.9681, 1.5717], device='cuda:0')

test loss from 2 : 3.007634162902832

Output of network: tensor([-0.0543, 0.4997, 1.3763, 3.1678, 1.1649, 0.4210], device='cuda:0')

Target Values: tensor([0.0000, 0.0000, 0.0000, 6.9579, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 16.86768341064453

Output of network: tensor([ 1.0715, 1.7405, 5.7530, 1.3982, 0.5984, 20.3793], device='cuda:0')

Target Values: tensor([ 1.0567, 0.0000, 13.4381, 0.1702, 0.0000, 14.2760], device='cuda:0')

test loss from 2 : 4.570384979248047

Output of network: tensor([14.6971, 13.5842, 0.2344, 0.5807, 0.5933, 0.2705], device='cuda:0')

Target Values: tensor([19.4350, 15.6231, 0.0000, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 10.399620056152344

Output of network: tensor([1.0256e+00, 2.5682e+01, 4.4308e+00, 1.7358e-02, 2.7341e+00, 2.3037e+01],

device='cuda:0')

Target Values: tensor([ 0.0000, 23.2634, 2.8711, 0.0000, 2.6207, 30.3208], device='cuda:0')

test loss from 2 : 13.157735824584961

Output of network: tensor([16.9542, 18.0895, 21.2901, 0.8821, 5.1751, 0.6493], device='cuda:0')

Target Values: tensor([17.0086, 10.7216, 16.4733, 0.0000, 5.6807, 0.0000], device='cuda:0')

test loss from 2 : 4.808866024017334

Output of network: tensor([ 0.6687, 1.0068, 0.3700, 0.7543, 16.0882, 0.3359], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 0.0000, 10.9332, 0.0000], device='cuda:0')

test loss from 2 : 24.714500427246094

Output of network: tensor([ 0.2344, 23.8376, 28.6352, 0.1485, 13.3386, 13.8218], device='cuda:0')

Target Values: tensor([ 0.0000, 30.4335, 22.7640, 0.0000, 14.4758, 22.1248], device='cuda:0')

test loss from 2 : 32.257568359375

Output of network: tensor([1.1411e-02, 1.4446e+01, 7.4156e-01, 2.8998e+01, 1.0171e+00, 1.7091e-01],

device='cuda:0')

Target Values: tensor([ 0.0000, 17.4179, 0.0000, 15.4663, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 1.4641406536102295

Output of network: tensor([ 2.4884, 4.3206, 0.3702, 11.2988, 0.1807, -0.0531], device='cuda:0')

Target Values: tensor([ 0.4169, 2.9398, 0.0000, 12.8527, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 1.6664295196533203

Output of network: tensor([12.1820, 1.0657, 0.6077, 12.9589, 18.3246, 0.9117], device='cuda:0')

Target Values: tensor([ 9.5428, 0.1473, 0.0000, 13.4479, 17.4584, 0.0000], device='cuda:0')

test loss from 2 : 38.11810302734375

Output of network: tensor([18.0328, 13.8601, 0.1808, 0.5827, 12.6585, 11.3740], device='cuda:0')

Target Values: tensor([19.7786, 12.1393, 0.0000, 0.0000, 1.8024, 1.1529], device='cuda:0')

test loss from 2 : 0.5454190373420715

Output of network: tensor([ 0.6804, 2.4152, -0.1539, -0.0561, 0.2669, 0.4447], device='cuda:0')

Target Values: tensor([0.0000, 4.0006, 0.0000, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 8.87317943572998

Output of network: tensor([ 0.9994, -0.0407, 0.6719, 29.7412, 5.1085, 18.7630], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 30.9318, 11.9875, 20.5091], device='cuda:0')

test loss from 2 : 1.2547383308410645

Output of network: tensor([ 2.6107, -0.5214, 1.0608, 14.9075, 0.8251, 0.8822], device='cuda:0')

Target Values: tensor([ 0.5077, 0.0000, 0.0000, 14.4081, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 0.9807796478271484

Output of network: tensor([1.3879, 0.4201, 0.9274, 0.9658, 0.7964, 1.1640], device='cuda:0')

Target Values: tensor([0., 0., 0., 0., 0., 0.], device='cuda:0')

test loss from 2 : 1.9343068599700928

Output of network: tensor([0.0038, 1.3606, 0.1601, 0.9702, 1.4245, 0.9910], device='cuda:0')

Target Values: tensor([0.0000, 0.0000, 0.0000, 1.2870, 4.3650, 0.0000], device='cuda:0')

test loss from 2 : 2.681145429611206

Output of network: tensor([ 1.0715, 0.2264, 0.7439, 22.3715, 3.2268, 0.1449], device='cuda:0')

Target Values: tensor([ 4.7491, 1.0218, 0.0000, 23.5350, 3.1935, 0.0000], device='cuda:0')

test loss from 2 : 14.080047607421875

Output of network: tensor([19.7231, 1.5604, 0.5228, 26.6610, 0.6266, 1.6018], device='cuda:0')

Target Values: tensor([24.6543, 0.0000, 1.0116, 34.0455, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 5.580647945404053

Output of network: tensor([ 0.8355, 0.4628, 1.2195, 1.3276, 21.6651, 27.5089], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 5.6362, 0.0000, 18.6360, 28.9671], device='cuda:0')

test loss from 2 : 11.495306968688965

Output of network: tensor([ 1.0239, 19.0861, 14.7884, 10.8673, 21.6209, 0.5768], device='cuda:0')

Target Values: tensor([ 0.2900, 19.0706, 19.7189, 6.8487, 26.8784, 0.0000], device='cuda:0')

test loss from 2 : 59.86164474487305

Output of network: tensor([ 6.4810, 3.5532, 16.2322, 9.6496, 0.6894, 24.2875], device='cuda:0')

Target Values: tensor([ 2.3049, 20.3091, 19.2735, 8.3371, 0.0000, 31.3246], device='cuda:0')

test loss from 2 : 14.333483695983887

Output of network: tensor([ 6.9069, -0.2666, 0.9626, 19.9616, 0.2347, 1.6403], device='cuda:0')

Target Values: tensor([15.5389, 0.0000, 0.0000, 17.1785, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 14.094741821289062

Output of network: tensor([19.6974, 0.4274, 0.1872, 4.3064, 13.6881, 0.0326], device='cuda:0')

Target Values: tensor([14.6265, 0.0000, 0.0000, 9.6707, 8.2237, 0.0000], device='cuda:0')

test loss from 2 : 22.441436767578125

Output of network: tensor([-0.5217, 0.2724, 1.0844, 0.2776, 0.3364, 26.4069], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 0.0000, 0.0000, 14.8771], device='cuda:0')

test loss from 2 : 24.401222229003906

Output of network: tensor([ 1.9701, 2.1353, 0.4077, 21.8685, 24.2624, 30.7046], device='cuda:0')

Target Values: tensor([10.5736, 7.1033, 0.0000, 24.5880, 30.4144, 29.1891], device='cuda:0')

test loss from 2 : 27.55548667907715

Output of network: tensor([ 0.2155, 0.9089, 27.6630, 0.5653, 0.0478, 16.2349], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 15.3044, 0.0000, 0.0000, 19.6116], device='cuda:0')

test loss from 2 : 50.81559753417969

Output of network: tensor([22.3575, 0.8478, 0.6607, 9.1699, 3.5532, -0.1992], device='cuda:0')

Target Values: tensor([15.5901, 0.0000, 0.0000, 10.9551, 19.5129, 0.0000], device='cuda:0')

test loss from 2 : 13.653287887573242

Output of network: tensor([ 2.3488, 8.8773, 3.1944, 0.5047, 17.1041, 0.4027], device='cuda:0')

Target Values: tensor([ 0.9219, 12.0628, 11.3281, 0.0000, 18.8824, 0.0000], device='cuda:0')

test loss from 2 : 3.4455947875976562

Output of network: tensor([ 0.1456, 15.7006, 0.6419, -0.0562, 12.4032, 0.1834], device='cuda:0')

Target Values: tensor([ 0.0000, 20.1224, 0.0000, 0.0000, 11.5959, 0.0000], device='cuda:0')

test loss from 2 : 7.993165969848633

Output of network: tensor([15.7675, 0.1429, 6.0928, 29.1835, 0.5048, -0.0297], device='cuda:0')

Target Values: tensor([17.8874, 0.0000, 8.9265, 23.2540, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 6.143960952758789

Output of network: tensor([11.4714, 2.5801, 11.3834, 1.0240, 0.0798, -0.1168], device='cuda:0')

Target Values: tensor([17.1385, 1.4531, 12.9354, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 2.5310420989990234

Output of network: tensor([33.3294, 1.3543, 1.0741, 1.0699, 0.4780, -0.7913], device='cuda:0')

Target Values: tensor([29.8606, 1.3320, 0.0000, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 7.404654502868652

Output of network: tensor([18.7023, 0.3069, 22.1180, 1.6641, 2.3432, 12.5221], device='cuda:0')

Target Values: tensor([23.3538, 0.0000, 23.9739, 3.2516, 0.0000, 15.8751], device='cuda:0')

test loss from 2 : 5.508112907409668

Output of network: tensor([21.5512, 19.8529, 26.1290, 2.6826, 0.2143, 19.7320], device='cuda:0')

Target Values: tensor([25.4594, 15.9096, 27.4947, 2.7207, 0.0000, 20.2921], device='cuda:0')

test loss from 2 : 18.152538299560547

Output of network: tensor([ 0.5145, 14.8324, 23.5500, 1.5604, 0.3390, 13.3447], device='cuda:0')

Target Values: tensor([ 0.0000, 5.7304, 18.8356, 0.0000, 0.0000, 14.3595], device='cuda:0')

test loss from 2 : 20.358856201171875

Output of network: tensor([18.9759, 1.1807, 1.3254, 19.0861, 0.4544, 0.1720], device='cuda:0')

Target Values: tensor([12.8148, 0.0000, 0.0000, 28.0754, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 0.9102117419242859

Output of network: tensor([2.3929, 0.6161, 1.0643, 0.7845, 0.6497, 0.6380], device='cuda:0')

Target Values: tensor([0.7191, 0.0000, 0.0000, 0.0000, 0.2963, 0.0000], device='cuda:0')

test loss from 2 : 6.400178909301758

Output of network: tensor([7.5178, 1.2928, 0.1658, 0.4708, 4.6611, 1.7121], device='cuda:0')

Target Values: tensor([2.7306, 0.0000, 0.0000, 0.0000, 1.4003, 0.0000], device='cuda:0')

test loss from 2 : 0.4772062301635742

Output of network: tensor([0.8079, 1.0842, 0.0199, 0.4624, 0.2462, 1.0201], device='cuda:0')

Target Values: tensor([0.0000, 0.0000, 0.0000, 0.0000, 0.0000, 0.1481], device='cuda:0')

test loss from 2 : 23.931922912597656

Output of network: tensor([ 0.2381, 23.3793, 1.1140, 0.9261, 18.2260, 21.2443], device='cuda:0')

Target Values: tensor([ 0.0000, 11.9545, 0.0000, 0.0000, 16.9096, 18.2149], device='cuda:0')

test loss from 2 : 6.332402229309082

Output of network: tensor([0.9020, 7.3494, 1.0460, 5.5582, 0.5964, 0.9532], device='cuda:0')

Target Values: tensor([ 0.0000, 7.4651, 0.0000, 11.4581, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 1.414703369140625

Output of network: tensor([ 2.9313, 13.8562, 0.9229, 0.5490, 0.4076, 1.8074], device='cuda:0')

Target Values: tensor([ 2.4857, 11.9318, 0.0000, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 13.773517608642578

Output of network: tensor([ 1.5346, 14.2758, 1.8092, 4.6463, 16.5690, 21.2258], device='cuda:0')

Target Values: tensor([ 0.0000, 15.8885, 6.7326, 6.8646, 23.5348, 21.1705], device='cuda:0')

test loss from 2 : 10.773283958435059

Output of network: tensor([ 0.8457, 18.2661, 15.5893, 0.1313, 17.8516, 22.2299], device='cuda:0')

Target Values: tensor([ 0.0000, 12.1382, 11.9693, 0.0000, 18.7909, 25.7470], device='cuda:0')

test loss from 2 : 0.4723432958126068

Output of network: tensor([ 0.9410, 0.7722, 11.6411, 0.6253, 0.0775, 0.6177], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 12.3986, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 3.5890822410583496

Output of network: tensor([ 2.5929e+01, -8.1015e-03, 7.8530e-01, 2.4954e+01, 3.1258e-01,

1.4329e+01], device='cuda:0')

Target Values: tensor([23.6774, 0.0000, 0.0000, 22.6487, 0.0000, 17.5593], device='cuda:0')

test loss from 2 : 26.765869140625

Output of network: tensor([12.7661, 1.8145, 4.3518, 0.2059, 1.0764, 4.5847], device='cuda:0')

Target Values: tensor([ 5.9665, 1.9196, 11.7004, 0.0000, 0.0000, 12.2753], device='cuda:0')

test loss from 2 : 0.6182836294174194

Output of network: tensor([ 0.9967, 31.7793, 0.8918, 1.0286, 0.6250, 14.7070], device='cuda:0')

Target Values: tensor([ 0.0000, 31.2161, 0.0000, 0.0000, 0.0000, 14.3131], device='cuda:0')

test loss from 2 : 3.703778028488159

Output of network: tensor([20.8946, 0.5016, 3.0091, 24.5361, 25.9700, 0.5044], device='cuda:0')

Target Values: tensor([21.9534, 0.0000, 3.9538, 20.6861, 23.7050, 0.4350], device='cuda:0')

test loss from 2 : 18.235998153686523

Output of network: tensor([0.3935, 0.7057, 0.6807, 1.1268, 5.8167, 1.1902], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 0.0000, 16.0935, 0.0000], device='cuda:0')

test loss from 2 : 30.262861251831055

Output of network: tensor([15.2511, 20.0931, 1.0199, 0.4110, 0.2839, 12.5728], device='cuda:0')

Target Values: tensor([14.0180, 6.8484, 0.0000, 0.0000, 0.0000, 10.7438], device='cuda:0')

test loss from 2 : 0.24952027201652527

Output of network: tensor([ 0.3711, 0.7410, -0.2314, 0.1938, 0.5207, 0.6694], device='cuda:0')

Target Values: tensor([0., 0., 0., 0., 0., 0.], device='cuda:0')

test loss from 2 : 1.648827314376831

Output of network: tensor([ 0.5984, 0.2433, 2.3100, 0.8456, 4.9226, 11.3225], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 0.0000, 4.1179, 12.9888], device='cuda:0')

test loss from 2 : 1.1390786170959473

Output of network: tensor([ 1.5346, 1.1437, 0.7838, 0.1136, 16.9333, 2.0713], device='cuda:0')

Target Values: tensor([ 0.0000, 1.5641, 0.0000, 0.8700, 18.3762, 1.0544], device='cuda:0')

test loss from 2 : 0.73724764585495

Output of network: tensor([0.0104, 0.3801, 0.7918, 0.3549, 0.1066, 1.8854], device='cuda:0')

Target Values: tensor([0.0000, 0.0571, 0.0000, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 2.725451946258545

Output of network: tensor([19.9074, 1.5292, 8.7682, 28.3757, 0.1962, 1.0620], device='cuda:0')

Target Values: tensor([23.1876, 0.0000, 10.1612, 28.7594, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 23.735013961791992

Output of network: tensor([ 1.0347, 2.8812, 1.1204, 1.7524, 20.8379, 20.4513], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 0.0000, 29.8352, 13.5403], device='cuda:0')

test loss from 2 : 9.098424911499023

Output of network: tensor([ 0.4813, 1.2951, 25.4832, 0.6464, 1.8704, 0.0718], device='cuda:0')

Target Values: tensor([ 0.0000, 0.5239, 18.4233, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 12.305098533630371

Output of network: tensor([13.3237, 1.0316, 22.1162, 7.3022, 1.2870, 0.5731], device='cuda:0')

Target Values: tensor([10.4283, 0.0000, 14.9119, 10.5419, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 1.339891791343689

Output of network: tensor([ 0.7253, 10.7556, 4.4892, 7.8379, 29.2647, 2.1831], device='cuda:0')

Target Values: tensor([ 0.0000, 9.9449, 2.9453, 8.3713, 27.7643, 0.7914], device='cuda:0')

test loss from 2 : 0.7469615340232849

Output of network: tensor([31.0942, 17.4843, -0.1314, -0.1948, 0.2690, -0.8413], device='cuda:0')

Target Values: tensor([32.9878, 17.7306, 0.0000, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 0.6013928055763245

Output of network: tensor([ 0.9499, 6.5370, 0.9615, -0.2375, 0.2271, 0.5082], device='cuda:0')

Target Values: tensor([0.0000, 5.3473, 0.0000, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 0.44950979948043823

Output of network: tensor([ 1.2414, 2.5063, 0.5911, 0.6738, -0.2315, 0.6301], device='cuda:0')

Target Values: tensor([0.0000, 2.5906, 0.0000, 1.2645, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 37.869667053222656

Output of network: tensor([27.2957, 1.0708, 24.3755, 0.1797, 1.0656, 0.2335], device='cuda:0')

Target Values: tensor([13.1058, 0.0000, 19.5283, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 24.37335777282715

Output of network: tensor([17.8516, 1.2313, 1.5182, 1.4483, 0.1618, 7.9675], device='cuda:0')

Target Values: tensor([23.3856, 0.0000, 0.7658, 2.6918, 0.0000, 18.5486], device='cuda:0')

test loss from 2 : 4.841987133026123

Output of network: tensor([ 1.7823e+01, 2.3720e+01, -1.3066e-01, 2.1722e+01, 7.2545e-01,

-2.2251e-02], device='cuda:0')

Target Values: tensor([17.0362, 18.7779, 0.0000, 19.8599, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 3.924825668334961

Output of network: tensor([25.0565, 4.4494, -0.0955, 1.0271, 23.5500, 11.0327], device='cuda:0')

Target Values: tensor([26.2505, 4.4250, 0.0000, 0.0000, 22.5915, 6.5450], device='cuda:0')

test loss from 2 : 2.9760539531707764

Output of network: tensor([ 0.1917, 22.2747, 29.5041, -0.8154, 19.3255, 1.6229], device='cuda:0')

Target Values: tensor([ 0.0000, 19.2003, 28.9653, 0.0000, 17.3780, 3.5255], device='cuda:0')

test loss from 2 : 4.620450496673584

Output of network: tensor([ 0.3126, 0.0863, 7.0796, 21.2805, 1.5582, 13.3205], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 7.0785, 16.5859, 1.4431, 15.6795], device='cuda:0')

test loss from 2 : 0.6430759429931641

Output of network: tensor([0.8721, 0.8087, 0.6913, 1.3027, 0.5187, 0.0125], device='cuda:0')

Target Values: tensor([0., 0., 0., 0., 0., 0.], device='cuda:0')

test loss from 2 : 30.802907943725586

Output of network: tensor([-0.1492, 0.4134, 25.5048, 21.0076, 8.8252, 0.1760], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 12.1378, 19.4579, 6.9504, 0.0000], device='cuda:0')

test loss from 2 : 1.5785186290740967

Output of network: tensor([-0.3834, 22.0617, 0.0833, 16.4721, 0.1322, 0.9585], device='cuda:0')

Target Values: tensor([ 0.0000, 22.3673, 0.0000, 19.3509, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 0.2523311376571655

Output of network: tensor([ 0.5586, 0.1516, 0.5246, 0.3105, 13.9999, 0.7025], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 0.0000, 14.5602, 0.0000], device='cuda:0')

test loss from 2 : 3.3036317825317383

Output of network: tensor([33.5330, 0.7685, 0.0651, 19.6070, 1.2904, 1.7707], device='cuda:0')

Target Values: tensor([30.4086, 2.7187, 0.0000, 17.7862, 0.0000, 0.6430], device='cuda:0')

test loss from 2 : 1.4462521076202393

Output of network: tensor([ 0.1296, 21.7249, 1.0930, 0.3859, -0.1622, 26.9268], device='cuda:0')

Target Values: tensor([ 0.0000, 24.4143, 0.0000, 0.0000, 0.0000, 26.6864], device='cuda:0')

test loss from 2 : 2.9440321922302246

Output of network: tensor([0.6483, 4.7158, 0.2902, 0.1793, 9.8459, 0.8236], device='cuda:0')

Target Values: tensor([ 0.0000, 8.6818, 0.0000, 0.0000, 10.6944, 0.0000], device='cuda:0')

test loss from 2 : 8.88807201385498

Output of network: tensor([31.8057, 0.4501, 0.6388, 0.2729, 5.7065, 23.0164], device='cuda:0')

Target Values: tensor([26.0315, 0.0000, 0.0000, 0.0000, 4.7971, 27.3146], device='cuda:0')

test loss from 2 : 8.802149772644043

Output of network: tensor([0.6004, 0.7439, 0.5117, 1.2312, 1.3663, 9.5247], device='cuda:0')

Target Values: tensor([0.0000, 0.0000, 0.0000, 1.4089, 0.0000, 2.4721], device='cuda:0')

test loss from 2 : 17.990333557128906

Output of network: tensor([25.4775, 17.1825, 10.7131, 0.4989, 1.0172, 14.8324], device='cuda:0')

Target Values: tensor([27.4681, 12.7602, 13.3242, 0.0000, 5.8762, 7.5012], device='cuda:0')

test loss from 2 : 11.006583213806152

Output of network: tensor([19.6600, 1.3674, 23.6510, 0.0765, 0.4086, 0.4265], device='cuda:0')

Target Values: tensor([12.3966, 3.9547, 26.1476, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 15.156364440917969

Output of network: tensor([ 0.5999, 1.9635, 1.1779, 0.7613, 0.6949, 20.6722], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 1.4138, 0.0000, 11.4838], device='cuda:0')

test loss from 2 : 16.653884887695312

Output of network: tensor([13.8601, 19.3234, 0.5899, 1.1304, 1.3431, 26.1217], device='cuda:0')

Target Values: tensor([20.6669, 24.0667, 0.0000, 0.0000, 3.9116, 21.3396], device='cuda:0')

test loss from 2 : 19.46339225769043

Output of network: tensor([26.0914, 0.7524, -0.0402, 1.2442, 1.3858, 0.3069], device='cuda:0')

Target Values: tensor([15.5488, 0.0000, 0.0000, 0.0000, 3.2362, 0.0000], device='cuda:0')

test loss from 2 : 17.51459312438965

Output of network: tensor([ 0.4749, 2.5893, 1.2085, 13.9964, 0.5778, 1.9342], device='cuda:0')

Target Values: tensor([0.0000, 3.2648, 9.5021, 8.7689, 0.0000, 4.7558], device='cuda:0')

test loss from 2 : 7.293768882751465

Output of network: tensor([ 0.4179, 18.2694, 3.3065, 5.1472, 1.6641, 1.6149], device='cuda:0')

Target Values: tensor([ 0.0000, 19.7327, 4.1002, 10.9495, 3.7952, 0.0000], device='cuda:0')

test loss from 2 : 0.43961280584335327

Output of network: tensor([1.0940, 0.7321, 0.9091, 0.8525, 0.5936, 0.3294], device='cuda:0')

Target Values: tensor([0.7979, 0.0000, 0.0000, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 3.311000347137451

Output of network: tensor([0.1091, 7.2634, 6.6094, 0.3141, 1.6309, 0.6360], device='cuda:0')

Target Values: tensor([0.0000, 9.2453, 5.9580, 0.0000, 5.5038, 0.0000], device='cuda:0')

test loss from 2 : 32.731101989746094

Output of network: tensor([ 1.0420, 0.8801, 4.9965, 16.7272, 21.0284, 6.1290], device='cuda:0')

Target Values: tensor([ 0.5575, 0.8215, 2.8635, 13.3093, 14.8187, 18.0183], device='cuda:0')

test loss from 2 : 11.635520935058594

Output of network: tensor([10.2885, 23.6553, 24.5884, 0.9574, 1.2306, 25.2297], device='cuda:0')

Target Values: tensor([16.0854, 27.0725, 26.6226, 0.0000, 0.0000, 20.9915], device='cuda:0')

test loss from 2 : 3.851743698120117

Output of network: tensor([ 9.3079, 0.5936, 1.0831, 16.5477, 1.0073, 6.9554], device='cuda:0')

Target Values: tensor([13.0433, 0.0000, 0.5738, 18.4316, 0.0000, 8.9508], device='cuda:0')

test loss from 2 : 30.39712142944336

Output of network: tensor([20.7255, 0.3284, 25.4065, 23.6798, 17.7651, 19.1670], device='cuda:0')

Target Values: tensor([20.4129, 0.0000, 32.6685, 14.2221, 12.2386, 22.2409], device='cuda:0')

test loss from 2 : 4.140497207641602

Output of network: tensor([ 2.5891, 21.9677, 0.2158, 0.3841, 1.3107, 15.4466], device='cuda:0')

Target Values: tensor([ 0.0000, 20.3564, 0.0000, 0.0000, 0.0000, 11.7546], device='cuda:0')

test loss from 2 : 0.7793688774108887

Output of network: tensor([ 1.6620, 0.2136, 14.9902, 0.7837, 0.6382, 0.3431], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 14.1363, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 18.668779373168945

Output of network: tensor([20.2007, 11.0231, 0.7915, 0.8770, 1.3353, 0.7776], device='cuda:0')

Target Values: tensor([15.8093, 20.4541, 0.0000, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 5.324908256530762

Output of network: tensor([23.0952, 10.2713, 12.8906, 28.8250, 2.2255, 1.1025], device='cuda:0')

Target Values: tensor([20.5445, 10.8631, 16.8413, 26.7714, 0.2127, 0.0000], device='cuda:0')

test loss from 2 : 4.280535697937012

Output of network: tensor([7.1278, 0.5805, 0.6700, 9.2136, 4.9523, 0.1440], device='cuda:0')

Target Values: tensor([ 3.0755, 0.0000, 0.0000, 11.8175, 3.6582, 0.0000], device='cuda:0')

test loss from 2 : 11.783519744873047

Output of network: tensor([ 2.0573, 7.3046, 3.2232, 0.0933, 0.3634, 14.8251], device='cuda:0')

Target Values: tensor([ 2.1416, 7.0502, 10.9958, 0.0000, 0.0000, 11.6512], device='cuda:0')

test loss from 2 : 49.04597091674805

Output of network: tensor([26.3083, 31.4683, 11.4004, 1.0090, 0.5628, 18.0905], device='cuda:0')

Target Values: tensor([23.8695, 16.0157, 10.9474, 0.0000, 0.0000, 25.0192], device='cuda:0')

test loss from 2 : 1.6548599004745483

Output of network: tensor([ 0.1647, 24.8940, 0.7267, 0.0448, 1.7038, 0.2659], device='cuda:0')

Target Values: tensor([ 0.0000, 27.4235, 0.0000, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 3.591400623321533

Output of network: tensor([2.7043, 0.3342, 9.1171, 1.9494, 0.9327, 0.6361], device='cuda:0')

Target Values: tensor([4.3169, 0.0000, 4.8570, 2.3365, 1.2981, 0.0000], device='cuda:0')

test loss from 2 : 22.65252685546875

Output of network: tensor([ 0.5276, 0.6104, 30.1471, 1.0200, 0.2602, 0.4346], device='cuda:0')

Target Values: tensor([0.0000e+00, 3.3009e+00, 4.1451e+01, 4.0903e-01, 4.1439e-03, 0.0000e+00],

device='cuda:0')

test loss from 2 : 30.68031120300293

Output of network: tensor([ 0.5862, 1.4593, 11.5719, 19.5052, 0.4872, 12.8374], device='cuda:0')

Target Values: tensor([ 0.0000, 0.6519, 2.1469, 13.6709, 0.0000, 5.0928], device='cuda:0')

test loss from 2 : 8.628240585327148

Output of network: tensor([ 0.7749, 0.6189, 9.9928, 1.2605, 0.4366, 25.8351], device='cuda:0')

Target Values: tensor([ 0.0000, 0.1979, 15.0838, 0.0000, 0.0000, 30.6614], device='cuda:0')

test loss from 2 : 5.022950649261475

Output of network: tensor([19.5810, 0.3943, 0.3075, 0.2932, 1.4956, 2.0713], device='cuda:0')

Target Values: tensor([24.6304, 0.0000, 0.0000, 0.0000, 1.3729, 0.0000], device='cuda:0')

test loss from 2 : 4.797623634338379

Output of network: tensor([24.5945, 0.4649, 1.5289, 16.5612, 0.5595, 1.2767], device='cuda:0')

Target Values: tensor([29.5229, 0.0000, 0.0000, 16.5334, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 29.37745475769043

Output of network: tensor([23.9818, 0.5647, -0.0782, 0.1784, 15.6058, 7.0703], device='cuda:0')

Target Values: tensor([26.8220, 0.0000, 0.0000, 0.0000, 3.2879, 11.0840], device='cuda:0')

test loss from 2 : 6.963627815246582

Output of network: tensor([ 1.9707, 1.9680, 1.1415, 22.0617, 22.5175, 21.4549], device='cuda:0')

Target Values: tensor([ 0.0000, 1.0832, 0.0000, 22.3756, 16.7844, 19.7682], device='cuda:0')

test loss from 2 : 3.571755886077881

Output of network: tensor([2.6006, 0.5653, 1.8148, 6.8974, 0.6545, 0.3305], device='cuda:0')

Target Values: tensor([5.5603, 0.0000, 0.0000, 3.9785, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 21.952041625976562

Output of network: tensor([ 0.1107, 0.3244, 0.8472, -0.1623, 11.3893, 1.4356], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 9.5800, 0.0000, 18.6862, 0.0000], device='cuda:0')

test loss from 2 : 11.585921287536621

Output of network: tensor([ 9.2136, 1.8813, 29.4631, 1.2581, 18.6970, 0.1822], device='cuda:0')

Target Values: tensor([ 9.4274, 5.3459, 28.2463, 0.0000, 26.0706, 0.0000], device='cuda:0')

test loss from 2 : 22.152814865112305

Output of network: tensor([15.5992, 0.2731, 22.4349, 6.9504, -0.5589, 3.0918], device='cuda:0')

Target Values: tensor([16.7164, 0.0000, 21.7261, 17.9605, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 37.70703887939453

Output of network: tensor([ 1.0962, 26.1926, 23.7968, -0.1733, 18.5117, 10.5063], device='cuda:0')

Target Values: tensor([ 0.0000, 32.5708, 12.0429, 0.0000, 17.9341, 17.2769], device='cuda:0')

test loss from 2 : 1.1958661079406738

Output of network: tensor([ 0.7505, 0.3934, 15.9481, 0.5910, 0.3952, 1.7975], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 14.5418, 1.6361, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 5.590488433837891

Output of network: tensor([ 0.4746, 0.0412, 1.6320, 1.8332, 11.3175, 21.7706], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 0.8966, 14.9939, 17.7384], device='cuda:0')

test loss from 2 : 20.59514045715332

Output of network: tensor([21.4441, 23.9718, 1.2331, 15.3739, 1.2218, 31.2027], device='cuda:0')

Target Values: tensor([24.9120, 22.4777, 7.8949, 13.0440, 7.9418, 27.4153], device='cuda:0')

test loss from 2 : 6.406196594238281

Output of network: tensor([27.5089, 0.7714, 1.5464, -0.0275, 0.2677, 1.1640], device='cuda:0')

Target Values: tensor([33.3418, 0.0000, 0.0000, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 2.458860158920288

Output of network: tensor([10.2043, 0.1461, 0.1997, 1.2520, 0.3676, 17.3553], device='cuda:0')

Target Values: tensor([12.9503, 0.0000, 0.0000, 0.0000, 0.0000, 19.6896], device='cuda:0')

test loss from 2 : 2.0289504528045654

Output of network: tensor([ 0.4235, 1.6838, 5.1183, 0.8192, 18.7387, 0.5505], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 7.4038, 0.0000, 17.0179, 0.0000], device='cuda:0')

test loss from 2 : 3.111759901046753

Output of network: tensor([ 2.8935, 20.4565, 2.4970, 22.4668, 0.4954, 0.0795], device='cuda:0')

Target Values: tensor([ 6.0224, 19.3022, 1.4088, 24.9389, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 5.768669128417969

Output of network: tensor([ 0.2286, 11.1848, 0.2336, 0.2204, 8.8773, 2.0016], device='cuda:0')

Target Values: tensor([0.3482, 8.3491, 0.0000, 0.0000, 4.1395, 0.0000], device='cuda:0')

test loss from 2 : 76.84149169921875

Output of network: tensor([ 0.2408, 24.2875, 21.5312, 3.8104, 30.4877, 5.9537], device='cuda:0')

Target Values: tensor([ 0.0000, 9.8958, 21.1149, 19.3868, 27.1880, 5.5226], device='cuda:0')

test loss from 2 : 0.8181008100509644

Output of network: tensor([0.1456, 0.2338, 0.6109, 0.0305, 2.0908, 0.2953], device='cuda:0')

Target Values: tensor([0., 0., 0., 0., 0., 0.], device='cuda:0')

test loss from 2 : 1.1787474155426025

Output of network: tensor([2.1831, 0.1592, 0.1784, 0.5324, 1.3510, 0.3754], device='cuda:0')

Target Values: tensor([0., 0., 0., 0., 0., 0.], device='cuda:0')

test loss from 2 : 0.6333654522895813

Output of network: tensor([ 1.8891, 17.3180, -0.6753, 0.3938, 9.6676, 0.2821], device='cuda:0')

Target Values: tensor([ 0.5965, 17.3795, 0.0000, 0.0000, 8.4696, 0.0000], device='cuda:0')

test loss from 2 : 9.917577743530273

Output of network: tensor([ 1.0818e-01, 2.5490e+01, 1.9558e+01, 2.4388e+01, 9.5163e-01,

-2.4055e-02], device='cuda:0')

Target Values: tensor([ 0.0000, 20.0804, 21.0613, 29.5904, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 2.3115835189819336

Output of network: tensor([13.7064, 0.4829, 0.3971, 1.9103, 19.0511, 8.0950], device='cuda:0')

Target Values: tensor([14.2932, 0.0000, 0.0000, 4.2865, 18.7628, 5.3738], device='cuda:0')

test loss from 2 : 7.521743297576904

Output of network: tensor([ 0.6052, 1.7821, 0.5672, 8.3801, 25.5556, -0.3420], device='cuda:0')

Target Values: tensor([ 0.0000, 6.5068, 0.0000, 11.5157, 29.0443, 0.0000], device='cuda:0')

test loss from 2 : 0.6025139093399048

Output of network: tensor([ 0.3958, 0.0859, 2.8935, -0.4768, 2.6072, 0.7078], device='cuda:0')

Target Values: tensor([0.0000, 0.0000, 1.2554, 0.0000, 2.8056, 0.0000], device='cuda:0')

test loss from 2 : 29.017040252685547

Output of network: tensor([21.3281, 22.8555, 15.2021, 19.5486, 18.2718, 0.5652], device='cuda:0')

Target Values: tensor([31.9065, 27.5270, 20.5514, 17.2691, 15.7727, 0.0000], device='cuda:0')

test loss from 2 : 6.457924842834473

Output of network: tensor([26.7319, 0.7246, 1.2118, 1.1140, 0.5841, 5.4072], device='cuda:0')

Target Values: tensor([31.8896, 0.0000, 0.0000, 0.0000, 0.0000, 8.3346], device='cuda:0')

test loss from 2 : 4.087920188903809

Output of network: tensor([29.4705, 0.5614, 2.9531, 0.4336, 18.0045, 0.0813], device='cuda:0')

Target Values: tensor([27.2907, 0.0000, 5.1580, 0.0000, 14.2092, 0.0000], device='cuda:0')

test loss from 2 : 5.974639892578125

Output of network: tensor([-0.0278, 9.9203, 22.9912, 21.7587, 0.7641, 1.0472], device='cuda:0')

Target Values: tensor([ 0.0000, 15.3557, 21.3472, 23.3363, 0.8888, 0.0000], device='cuda:0')

test loss from 2 : 3.1016769409179688

Output of network: tensor([ 0.7764, 0.4771, -0.1942, 0.6475, 0.8087, 25.2930], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 0.0000, 0.0000, 29.3757], device='cuda:0')

test loss from 2 : 4.0387349128723145

Output of network: tensor([25.0510, 0.2621, 1.1785, 0.7740, -0.0545, 18.2231], device='cuda:0')

Target Values: tensor([20.6236, 1.0187, 0.0000, 0.0000, 0.0000, 16.7853], device='cuda:0')

test loss from 2 : 4.344279766082764

Output of network: tensor([0.6430, 5.5426, 4.0486, 0.2148, 0.5714, 1.7110], device='cuda:0')

Target Values: tensor([0.0000, 1.7300, 6.8443, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 9.716400146484375

Output of network: tensor([24.2488, 1.1822, 0.7766, 15.9731, 1.2085, 1.1947], device='cuda:0')

Target Values: tensor([24.9659, 4.0741, 0.0000, 21.9971, 4.5406, 0.0000], device='cuda:0')

test loss from 2 : 1.573708415031433

Output of network: tensor([25.4775, 2.3129, 0.2920, -0.1817, 0.5532, 1.6051], device='cuda:0')

Target Values: tensor([27.4971, 0.7757, 0.0000, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 0.3572646975517273

Output of network: tensor([ 0.3403, 0.3306, -0.0950, 0.5165, 0.7363, 1.0491], device='cuda:0')

Target Values: tensor([0., 0., 0., 0., 0., 0.], device='cuda:0')

test loss from 2 : 31.78078269958496

Output of network: tensor([19.6070, 19.7913, 26.7669, 2.3583, 21.8667, 21.8979], device='cuda:0')

Target Values: tensor([18.7356, 17.4271, 25.0111, 8.8749, 14.7837, 31.3116], device='cuda:0')

test loss from 2 : 0.7087132334709167

Output of network: tensor([ 0.9674, -0.0696, 0.7773, 0.9464, 0.3425, 0.9283], device='cuda:0')

Target Values: tensor([0.0000, 0.0000, 2.5428, 1.1942, 0.0000, 0.8024], device='cuda:0')

test loss from 2 : 26.759937286376953

Output of network: tensor([13.9999, 15.8785, 0.3341, 9.6719, 8.2201, 20.6998], device='cuda:0')

Target Values: tensor([16.7832, 4.3844, 0.0000, 8.6420, 12.6366, 20.8475], device='cuda:0')

test loss from 2 : 18.05695915222168

Output of network: tensor([ 1.4474, 0.6484, 0.7059, 1.3512, 4.7935, 11.1529], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 0.0000, 14.2072, 15.0111], device='cuda:0')

test loss from 2 : 1.335951805114746

Output of network: tensor([ 0.4310, 34.0366, 0.2596, 1.3422, 21.8076, 0.9391], device='cuda:0')

Target Values: tensor([ 0.0000, 36.1389, 0.0000, 0.0000, 20.9953, 0.0000], device='cuda:0')

test loss from 2 : 12.2208251953125

Output of network: tensor([ 0.2450, 1.9640, -0.0806, 23.6798, 0.7081, 11.7906], device='cuda:0')

Target Values: tensor([ 0.0000, 1.9412, 0.0000, 15.2966, 0.0000, 10.2163], device='cuda:0')

test loss from 2 : 14.975095748901367

Output of network: tensor([ 1.3027, 0.0597, 4.5639, 15.5211, 0.6081, 0.8763], device='cuda:0')

Target Values: tensor([ 7.3452, 0.0000, 1.0000, 21.8057, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 141.0372314453125

Output of network: tensor([ 0.4649, 1.0118, 15.7727, 0.4466, 11.9444, 5.6192], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 16.6845, 0.0000, 40.6163, 0.9423], device='cuda:0')

test loss from 2 : 27.033567428588867

Output of network: tensor([1.4249e+01, 1.0720e+00, 1.1626e+01, 2.2568e+01, 2.4251e+01, 2.3235e-02],

device='cuda:0')

Target Values: tensor([13.2045, 1.0680, 0.5050, 28.6833, 24.0853, 0.0000], device='cuda:0')

test loss from 2 : 8.2517728805542

Output of network: tensor([ 0.2247, 10.0441, 24.5956, 1.0256, 6.4199, 1.7632], device='cuda:0')

Target Values: tensor([ 0.0000, 13.5972, 20.9334, 0.0000, 11.0745, 0.9220], device='cuda:0')

test loss from 2 : 1.3763407468795776

Output of network: tensor([0.2451, 1.6416, 1.6579, 3.1467, 1.6286, 0.1075], device='cuda:0')

Target Values: tensor([0.0000, 0.0000, 0.0000, 2.8457, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 1.2348636388778687

Output of network: tensor([-0.0532, -0.3649, 14.7120, 2.1908, 1.2173, 17.7764], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 14.8992, 0.0000, 0.0000, 16.7984], device='cuda:0')

test loss from 2 : 0.8880219459533691

Output of network: tensor([ 0.2329, 1.9849, -0.5411, 0.2843, 0.6638, 0.7209], device='cuda:0')

Target Values: tensor([0., 0., 0., 0., 0., 0.], device='cuda:0')

test loss from 2 : 4.777691841125488

Output of network: tensor([ 8.7486, 19.0766, 19.9051, 2.2978, 0.5242, 1.3388], device='cuda:0')

Target Values: tensor([ 6.0892, 15.0391, 21.6511, 2.7183, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 20.01030731201172

Output of network: tensor([ 0.4774, 12.8215, 0.3031, 0.4213, 17.6341, 9.4941], device='cuda:0')

Target Values: tensor([ 0.8888, 14.1931, 0.0000, 0.0000, 22.6704, 19.1054], device='cuda:0')

test loss from 2 : 23.764528274536133

Output of network: tensor([23.9145], device='cuda:0')

Target Values: tensor([19.0396], device='cuda:0')

Test Loss (mean squared error): 2.127090

Time: 49.49265480041504

Targets: [0.0, 0.0, 31.651229858398438, 9.772919654846191, 17.40624237060547, 2.259610414505005, 0.0, 16.112369537353516, 0.0, 5.839871883392334, 0.0, 10.165541648864746, 0.0, 11.695534706115723, 3.5763700008392334, 0.0, 26.02256202697754, 18.765321731567383, 19.718929290771484, 0.0, 15.3114013671875, 0.0, 19.374235153198242, 0.0, 11.461380958557129, 10.67676067352295, 0.0, 32.50747299194336, 13.803267478942871, 0.0, 11.514512062072754, 0.0, 2.354769468307495, 7.520005226135254, 20.55858039855957, 0.0, 22.96978759765625, 0.0, 19.947221755981445, 0.0, 0.0, 15.167563438415527, 17.08843994140625, 0.0, 0.0, 0.0, 0.0, 0.0, 18.64692497253418, 0.0, 0.0, 0.0, 1.035984754562378, 0.0, 0.0, 2.9783265590667725, 5.136660099029541, 0.0, 0.0, 22.372875213623047, 0.0, 18.777843475341797, 27.488115310668945, 2.731005907058716, 0.0, 0.0, 8.816272735595703, 32.687889099121094, 0.0, 26.446767807006836, 26.96857452392578, 4.6616435050964355, 0.0, 30.439495086669922, 24.363290786743164, 0.0, 0.0, 28.019775390625, 19.736522674560547, 20.19552993774414, 0.0, 23.254558563232422, 5.490184783935547, 0.0, 35.59031677246094, 0.0, 0.0, 0.0, 24.348812103271484, 0.0, 0.0, 6.415398597717285, 0.0, 0.0, 5.413932800292969, 29.846080780029297, 0.0, 1.3823224306106567, 17.167951583862305, 0.0, 6.531795024871826, 0.0, 11.849898338317871, 0.0, 18.51857566833496, 0.0, 0.0, 0.0, 15.987770080566406, 0.0, 0.0, 28.194684982299805, 9.489588737487793, 27.588720321655273, 0.0, 7.311404705047607, 26.514625549316406, 0.0, 0.0, 9.46325969696045, 15.987170219421387, 18.379133224487305, 0.0, 8.975920677185059, 0.0, 25.193649291992188, 0.0, 0.0, 26.455669403076172, 19.525943756103516, 27.968080520629883, 1.5716508626937866, 0.0, 0.0, 0.0, 6.957914352416992, 0.0, 0.0, 1.0567090511322021, 0.0, 13.438091278076172, 0.17017775774002075, 0.0, 14.276025772094727, 19.435049057006836, 15.623056411743164, 0.0, 0.0, 0.0, 0.0, 0.0, 23.263383865356445, 2.8711254596710205, 0.0, 2.6206581592559814, 30.3207950592041, 17.008625030517578, 10.721590042114258, 16.473323822021484, 0.0, 5.680685520172119, 0.0, 0.0, 0.0, 0.0, 0.0, 10.933198928833008, 0.0, 0.0, 30.433475494384766, 22.76404571533203, 0.0, 14.475774765014648, 22.124818801879883, 0.0, 17.417871475219727, 0.0, 15.46627140045166, 0.0, 0.0, 0.4169117510318756, 2.939802646636963, 0.0, 12.852702140808105, 0.0, 0.0, 9.542815208435059, 0.14729799330234528, 0.0, 13.44785213470459, 17.45838737487793, 0.0, 19.778568267822266, 12.139286041259766, 0.0, 0.0, 1.8023706674575806, 1.1528578996658325, 0.0, 4.0006489753723145, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 30.93182373046875, 11.987500190734863, 20.509140014648438, 0.507692277431488, 0.0, 0.0, 14.40805721282959, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 1.2869905233383179, 4.36500883102417, 0.0, 4.749094486236572, 1.0217764377593994, 0.0, 23.53499412536621, 3.1934621334075928, 0.0, 24.65431022644043, 0.0, 1.0115776062011719, 34.04547119140625, 0.0, 0.0, 0.0, 0.0, 5.6362409591674805, 0.0, 18.63603401184082, 28.967086791992188, 0.2899914085865021, 19.0705509185791, 19.718860626220703, 6.848678112030029, 26.878402709960938, 0.0, 2.304926872253418, 20.309141159057617, 19.273540496826172, 8.337050437927246, 0.0, 31.324554443359375, 15.538893699645996, 0.0, 0.0, 17.17852783203125, 0.0, 0.0, 14.626522064208984, 0.0, 0.0, 9.67074966430664, 8.223727226257324, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 14.877147674560547, 10.573590278625488, 7.103311061859131, 0.0, 24.5880126953125, 30.41437339782715, 29.1890869140625, 0.0, 0.0, 15.304381370544434, 0.0, 0.0, 19.611604690551758, 15.590054512023926, 0.0, 0.0, 10.955130577087402, 19.512922286987305, 0.0, 0.9219419360160828, 12.0628080368042, 11.328109741210938, 0.0, 18.882375717163086, 0.0, 0.0, 20.122358322143555, 0.0, 0.0, 11.595870971679688, 0.0, 17.887399673461914, 0.0, 8.926535606384277, 23.25398063659668, 0.0, 0.0, 17.138505935668945, 1.4531000852584839, 12.93543815612793, 0.0, 0.0, 0.0, 29.86056137084961, 1.332018256187439, 0.0, 0.0, 0.0, 0.0, 23.353792190551758, 0.0, 23.973913192749023, 3.2515883445739746, 0.0, 15.875092506408691, 25.45935821533203, 15.909629821777344, 27.49468994140625, 2.7206950187683105, 0.0, 20.292133331298828, 0.0, 5.730384349822998, 18.83564567565918, 0.0, 0.0, 14.35953140258789, 12.814753532409668, 0.0, 0.0, 28.07535171508789, 0.0, 0.0, 0.7191070318222046, 0.0, 0.0, 0.0, 0.29625481367111206, 0.0, 2.730602502822876, 0.0, 0.0, 0.0, 1.4003269672393799, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.14812740683555603, 0.0, 11.954537391662598, 0.0, 0.0, 16.90960121154785, 18.21485137939453, 0.0, 7.465113162994385, 0.0, 11.458074569702148, 0.0, 0.0, 2.48569655418396, 11.931761741638184, 0.0, 0.0, 0.0, 0.0, 0.0, 15.888457298278809, 6.732614994049072, 6.864600658416748, 23.534770965576172, 21.170516967773438, 0.0, 12.13823127746582, 11.969254493713379, 0.0, 18.790857315063477, 25.746971130371094, 0.0, 0.0, 12.398615837097168, 0.0, 0.0, 0.0, 23.677446365356445, 0.0, 0.0, 22.648693084716797, 0.0, 17.5593204498291, 5.966540813446045, 1.9196033477783203, 11.700441360473633, 0.0, 0.0, 12.275331497192383, 0.0, 31.216073989868164, 0.0, 0.0, 0.0, 14.313087463378906, 21.953405380249023, 0.0, 3.95375919342041, 20.68612289428711, 23.704992294311523, 0.4349870979785919, 0.0, 0.0, 0.0, 0.0, 16.093538284301758, 0.0, 14.017991065979004, 6.848445415496826, 0.0, 0.0, 0.0, 10.743794441223145, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 4.117894172668457, 12.988786697387695, 0.0, 1.5640950202941895, 0.0, 0.8699741959571838, 18.376218795776367, 1.0543632507324219, 0.0, 0.057083118706941605, 0.0, 0.0, 0.0, 0.0, 23.187623977661133, 0.0, 10.161211013793945, 28.75944709777832, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 29.835168838500977, 13.540295600891113, 0.0, 0.5238836407661438, 18.423263549804688, 0.0, 0.0, 0.0, 10.42828369140625, 0.0, 14.911865234375, 10.541884422302246, 0.0, 0.0, 0.0, 9.944934844970703, 2.945265054702759, 8.371280670166016, 27.764272689819336, 0.7914469838142395, 32.987770080566406, 17.730552673339844, 0.0, 0.0, 0.0, 0.0, 0.0, 5.347291469573975, 0.0, 0.0, 0.0, 0.0, 0.0, 2.590578317642212, 0.0, 1.2644718885421753, 0.0, 0.0, 13.105818748474121, 0.0, 19.528324127197266, 0.0, 0.0, 0.0, 23.385629653930664, 0.0, 0.765848696231842, 2.6918015480041504, 0.0, 18.548646926879883, 17.03623390197754, 18.777875900268555, 0.0, 19.859886169433594, 0.0, 0.0, 26.25050163269043, 4.424952507019043, 0.0, 0.0, 22.59150505065918, 6.544958114624023, 0.0, 19.200315475463867, 28.965261459350586, 0.0, 17.37799835205078, 3.5254993438720703, 0.0, 0.0, 7.078465461730957, 16.5859317779541, 1.4430543184280396, 15.679484367370605, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 12.137822151184082, 19.457866668701172, 6.950350761413574, 0.0, 0.0, 22.367340087890625, 0.0, 19.35092544555664, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 14.56016731262207, 0.0, 30.408584594726562, 2.718690872192383, 0.0, 17.78618049621582, 0.0, 0.6430355906486511, 0.0, 24.414310455322266, 0.0, 0.0, 0.0, 26.686389923095703, 0.0, 8.681793212890625, 0.0, 0.0, 10.694416999816895, 0.0, 26.03145980834961, 0.0, 0.0, 0.0, 4.797055244445801, 27.314556121826172, 0.0, 0.0, 0.0, 1.4089453220367432, 0.0, 2.4720892906188965, 27.468128204345703, 12.760231971740723, 13.324225425720215, 0.0, 5.876197814941406, 7.501161098480225, 12.396568298339844, 3.9547066688537598, 26.147634506225586, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 1.413840413093567, 0.0, 11.483818054199219, 20.666889190673828, 24.066699981689453, 0.0, 0.0, 3.911604642868042, 21.33955192565918, 15.54881763458252, 0.0, 0.0, 0.0, 3.2361702919006348, 0.0, 0.0, 3.264835834503174, 9.502099990844727, 8.76888656616211, 0.0, 4.75583553314209, 0.0, 19.73274040222168, 4.100241184234619, 10.949503898620605, 3.7951955795288086, 0.0, 0.7979360222816467, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 9.245308876037598, 5.957955360412598, 0.0, 5.503758907318115, 0.0, 0.5574935674667358, 0.8215152621269226, 2.8635401725769043, 13.309318542480469, 14.818711280822754, 18.0183162689209, 16.085424423217773, 27.07253646850586, 26.622591018676758, 0.0, 0.0, 20.991491317749023, 13.043325424194336, 0.0, 0.5737729668617249, 18.431560516357422, 0.0, 8.950751304626465, 20.41293716430664, 0.0, 32.668460845947266, 14.222067832946777, 12.238601684570312, 22.240909576416016, 0.0, 20.35637855529785, 0.0, 0.0, 0.0, 11.754573822021484, 0.0, 0.0, 14.136258125305176, 0.0, 0.0, 0.0, 15.809287071228027, 20.454147338867188, 0.0, 0.0, 0.0, 0.0, 20.544471740722656, 10.863066673278809, 16.84134292602539, 26.7713680267334, 0.21272219717502594, 0.0, 3.0755057334899902, 0.0, 0.0, 11.817523002624512, 3.658189535140991, 0.0, 2.1416101455688477, 7.050152778625488, 10.995849609375, 0.0, 0.0, 11.651232719421387, 23.869461059570312, 16.015737533569336, 10.94736099243164, 0.0, 0.0, 25.019189834594727, 0.0, 27.423477172851562, 0.0, 0.0, 0.0, 0.0, 4.316944122314453, 0.0, 4.856986045837402, 2.336545944213867, 1.2980973720550537, 0.0, 0.0, 3.3008859157562256, 41.45065689086914, 0.4090263247489929, 0.004143873229622841, 0.0, 0.0, 0.6519340872764587, 2.146939277648926, 13.670947074890137, 0.0, 5.092772006988525, 0.0, 0.19786174595355988, 15.083847999572754, 0.0, 0.0, 30.661354064941406, 24.63042449951172, 0.0, 0.0, 0.0, 1.372929334640503, 0.0, 29.52285385131836, 0.0, 0.0, 16.53342056274414, 0.0, 0.0, 26.822021484375, 0.0, 0.0, 0.0, 3.2878661155700684, 11.084001541137695, 0.0, 1.0832139253616333, 0.0, 22.37564468383789, 16.784358978271484, 19.768156051635742, 5.5602593421936035, 0.0, 0.0, 3.978466272354126, 0.0, 0.0, 0.0, 0.0, 9.580011367797852, 0.0, 18.68623924255371, 0.0, 9.427401542663574, 5.345893859863281, 28.246337890625, 0.0, 26.070573806762695, 0.0, 16.716419219970703, 0.0, 21.72613525390625, 17.96045684814453, 0.0, 0.0, 0.0, 32.570831298828125, 12.042889595031738, 0.0, 17.934080123901367, 17.27693748474121, 0.0, 0.0, 14.541792869567871, 1.6361052989959717, 0.0, 0.0, 0.0, 0.0, 0.0, 0.8966193199157715, 14.993910789489746, 17.73836326599121, 24.912036895751953, 22.47771644592285, 7.894887447357178, 13.043951988220215, 7.941817283630371, 27.415273666381836, 33.34181213378906, 0.0, 0.0, 0.0, 0.0, 0.0, 12.950272560119629, 0.0, 0.0, 0.0, 0.0, 19.68964958190918, 0.0, 0.0, 7.403816223144531, 0.0, 17.017887115478516, 0.0, 6.022447109222412, 19.30221176147461, 1.4087899923324585, 24.938928604125977, 0.0, 0.0, 0.34824898838996887, 8.34908390045166, 0.0, 0.0, 4.139472484588623, 0.0, 0.0, 9.895819664001465, 21.11489486694336, 19.386789321899414, 27.18796730041504, 5.522629261016846, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.5964785814285278, 17.379545211791992, 0.0, 0.0, 8.469648361206055, 0.0, 0.0, 20.080419540405273, 21.061267852783203, 29.59038734436035, 0.0, 0.0, 14.293167114257812, 0.0, 0.0, 4.286498069763184, 18.762752532958984, 5.373846530914307, 0.0, 6.506802082061768, 0.0, 11.515666007995605, 29.044252395629883, 0.0, 0.0, 0.0, 1.2553514242172241, 0.0, 2.805553674697876, 0.0, 31.906526565551758, 27.526954650878906, 20.55142593383789, 17.26912498474121, 15.772724151611328, 0.0, 31.88956069946289, 0.0, 0.0, 0.0, 0.0, 8.33462905883789, 27.290691375732422, 0.0, 5.158047199249268, 0.0, 14.209202766418457, 0.0, 0.0, 15.355671882629395, 21.347198486328125, 23.336254119873047, 0.8887644410133362, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 29.375703811645508, 20.62359046936035, 1.0187255144119263, 0.0, 0.0, 0.0, 16.78533935546875, 0.0, 1.7300093173980713, 6.844293594360352, 0.0, 0.0, 0.0, 24.965911865234375, 4.074134349822998, 0.0, 21.9970703125, 4.540569305419922, 0.0, 27.497093200683594, 0.7757241725921631, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 18.735647201538086, 17.427074432373047, 25.011058807373047, 8.874933242797852, 14.783660888671875, 31.31156349182129, 0.0, 0.0, 2.5428249835968018, 1.1942404508590698, 0.0, 0.8023999929428101, 16.783203125, 4.384443283081055, 0.0, 8.642026901245117, 12.636636734008789, 20.84751319885254, 0.0, 0.0, 0.0, 0.0, 14.207152366638184, 15.011139869689941, 0.0, 36.138851165771484, 0.0, 0.0, 20.995336532592773, 0.0, 0.0, 1.9411758184432983, 0.0, 15.296634674072266, 0.0, 10.21628189086914, 7.345247268676758, 0.0, 1.000038981437683, 21.805683135986328, 0.0, 0.0, 0.0, 0.0, 16.684541702270508, 0.0, 40.61634826660156, 0.9422664046287537, 13.204490661621094, 1.067961573600769, 0.5049980282783508, 28.683258056640625, 24.08526039123535, 0.0, 0.0, 13.597179412841797, 20.933443069458008, 0.0, 11.074501037597656, 0.9219707250595093, 0.0, 0.0, 0.0, 2.845653533935547, 0.0, 0.0, 0.0, 0.0, 14.899170875549316, 0.0, 0.0, 16.798358917236328, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 6.089232921600342, 15.039050102233887, 21.65108871459961, 2.718289852142334, 0.0, 0.0, 0.8887989521026611, 14.193115234375, 0.0, 0.0, 22.67043113708496, 19.105438232421875, 19.039613723754883]

Outputs [0.5795189142227173, 1.5023812055587769, 21.620864868164062, 17.3753719329834, 13.564214706420898, 8.997079849243164, 0.9814502000808716, 15.32736873626709, 0.5579793453216553, 1.7631725072860718, 0.46856462955474854, 2.398232936859131, 0.3989081382751465, 20.523479461669922, 6.837332725524902, 1.1100164651870728, 25.05654525756836, 24.283716201782227, 24.304420471191406, 0.933693528175354, 4.454550743103027, 0.5062860250473022, 15.579695701599121, 0.6382402181625366, 26.406944274902344, 15.248467445373535, 0.778823971748352, 35.80722427368164, 10.16478443145752, 0.2895829677581787, 17.107452392578125, -0.07719922065734863, 2.8082022666931152, 8.389760971069336, 19.81546401977539, 0.24745047092437744, 27.786941528320312, 0.3391141891479492, 24.387226104736328, 0.7120509147644043, 0.04122018814086914, 11.539021492004395, 13.305451393127441, 0.4639705419540405, 0.4741055965423584, 0.4348611831665039, 0.8464453220367432, 1.1304577589035034, 23.136098861694336, 0.676469087600708, 0.6395338773727417, 0.17378580570220947, 1.5852758884429932, -0.028083324432373047, 1.7995221614837646, 6.01955509185791, 1.2870829105377197, 0.46856462955474854, 0.3771899938583374, 25.16956901550293, 1.587005853652954, 23.611194610595703, 23.350797653198242, 3.2030272483825684, -0.033998966217041016, 0.36221742630004883, 5.953681945800781, 24.463417053222656, 0.7296569347381592, 30.168968200683594, 28.749784469604492, 2.009852886199951, 1.2118380069732666, 18.3800048828125, 21.175260543823242, 0.22937524318695068, 0.5343706607818604, 32.7269287109375, 21.816823959350586, 5.714460372924805, 0.539463996887207, 14.468342781066895, 3.8848297595977783, -0.22101783752441406, 30.638391494750977, 0.11268126964569092, -0.39229393005371094, 0.7557506561279297, 19.598276138305664, 0.4065878391265869, 1.296783208847046, 1.8373944759368896, 0.011410713195800781, 0.39575302600860596, 9.628461837768555, 17.626558303833008, -0.5126941204071045, 5.245117664337158, 14.38085651397705, 0.5016772747039795, 5.578018665313721, 0.7296569347381592, 6.404404640197754, 1.5738260746002197, 18.05655288696289, 0.26120150089263916, 0.7827752828598022, 0.15261387825012207, 15.589319229125977, 0.9166070222854614, 0.3770099878311157, 26.915407180786133, 8.886669158935547, 20.132022857666016, 1.071183681488037, 5.1183013916015625, 21.13037872314453, 0.5407034158706665, 0.2823139429092407, 1.956135630607605, 17.784595489501953, 19.34317398071289, 0.689443826675415, 1.767116904258728, 1.266723394393921, 25.445127487182617, 0.14404022693634033, 0.37305784225463867, 27.347030639648438, 21.684663772583008, 25.549558639526367, 1.0880227088928223, -0.05428624153137207, 0.49970996379852295, 1.3762907981872559, 3.167818546295166, 1.1648540496826172, 0.4210238456726074, 1.0714540481567383, 1.7405449151992798, 5.753032684326172, 1.3982454538345337, 0.5984301567077637, 20.379302978515625, 14.697137832641602, 13.584160804748535, 0.2344343662261963, 0.5807194709777832, 0.5933332443237305, 0.27050256729125977, 1.0256413221359253, 25.681547164916992, 4.430780410766602, 0.017358064651489258, 2.734083652496338, 23.03707504272461, 16.954164505004883, 18.08952522277832, 21.29012107849121, 0.8821322917938232, 5.175075054168701, 0.6493411064147949, 0.6687057018280029, 1.0067782402038574, 0.3699779510498047, 0.7542545795440674, 16.088176727294922, 0.3359287977218628, 0.2344343662261963, 23.837583541870117, 28.635217666625977, 0.14851808547973633, 13.338550567626953, 13.821791648864746, 0.011410713195800781, 14.445740699768066, 0.7415608167648315, 28.997648239135742, 1.0170750617980957, 0.1709054708480835, 2.4883878231048584, 4.320638656616211, 0.3702383041381836, 11.298810958862305, 0.18070554733276367, -0.05305004119873047, 12.18202018737793, 1.0656646490097046, 0.6076998710632324, 12.958885192871094, 18.32455825805664, 0.911666750907898, 18.03278350830078, 13.860138893127441, 0.18075215816497803, 0.5826528072357178, 12.65849781036377, 11.374005317687988, 0.6803832054138184, 2.4151718616485596, -0.15387248992919922, -0.05605578422546387, 0.26691555976867676, 0.444738507270813, 0.999382495880127, -0.04068779945373535, 0.6718828678131104, 29.741222381591797, 5.108491897583008, 18.763017654418945, 2.610746383666992, -0.5213925838470459, 1.0607856512069702, 14.90753173828125, 0.8250720500946045, 0.8821897506713867, 1.3879114389419556, 0.42007946968078613, 0.9273555278778076, 0.9657942056655884, 0.7963749170303345, 1.164024829864502, 0.0037834644317626953, 1.3605551719665527, 0.16007518768310547, 0.9702179431915283, 1.4244778156280518, 0.9909714460372925, 1.0714540481567383, 0.2264026403427124, 0.7439265251159668, 22.37152099609375, 3.2268497943878174, 0.144919753074646, 19.72306251525879, 1.5603846311569214, 0.5228251218795776, 26.660961151123047, 0.6266157627105713, 1.6018030643463135, 0.8355220556259155, 0.46275269985198975, 1.2195056676864624, 1.327566146850586, 21.665098190307617, 27.50885581970215, 1.0238887071609497, 19.086074829101562, 14.78841495513916, 10.867300987243652, 21.620864868164062, 0.5767712593078613, 6.481019020080566, 3.553168296813965, 16.232236862182617, 9.649588584899902, 0.6893718242645264, 24.287513732910156, 6.906862258911133, -0.2666001319885254, 0.9626317024230957, 19.961580276489258, 0.23466825485229492, 1.6403471231460571, 19.69742774963379, 0.4274367094039917, 0.18722867965698242, 4.306441783905029, 13.68813419342041, 0.03263664245605469, -0.5217053890228271, 0.2724175453186035, 1.0843509435653687, 0.2775590419769287, 0.33639776706695557, 26.406944274902344, 1.9700936079025269, 2.1353461742401123, 0.40769362449645996, 21.86845588684082, 24.262351989746094, 30.704647064208984, 0.21552348136901855, 0.9088938236236572, 27.663049697875977, 0.5653246641159058, 0.047765254974365234, 16.23494529724121, 22.357465744018555, 0.8478116989135742, 0.6607285737991333, 9.169921875, 3.553168296813965, -0.19918227195739746, 2.3488335609436035, 8.877311706542969, 3.1944079399108887, 0.5046557188034058, 17.104063034057617, 0.40267789363861084, 0.14558887481689453, 15.700621604919434, 0.6419265270233154, -0.056182146072387695, 12.403175354003906, 0.18343842029571533, 15.767484664916992, 0.14291834831237793, 6.092774391174316, 29.183452606201172, 0.5047845840454102, -0.029664993286132812, 11.47137451171875, 2.580077648162842, 11.38343620300293, 1.023998737335205, 0.07983231544494629, -0.11683511734008789, 33.329383850097656, 1.354283094406128, 1.0741499662399292, 1.0698661804199219, 0.47803473472595215, -0.7912635803222656, 18.702320098876953, 0.30690741539001465, 22.11802864074707, 1.6641252040863037, 2.3431763648986816, 12.522076606750488, 21.551237106323242, 19.852853775024414, 26.128999710083008, 2.6825501918792725, 0.2142634391784668, 19.731977462768555, 0.5144764184951782, 14.832357406616211, 23.54998016357422, 1.5603846311569214, 0.3390089273452759, 13.344659805297852, 18.975875854492188, 1.180689811706543, 1.3253540992736816, 19.086074829101562, 0.45435285568237305, 0.171983003616333, 2.392889976501465, 0.6161425113677979, 1.064298152923584, 0.7844765186309814, 0.6497237682342529, 0.637977123260498, 7.5177507400512695, 1.2928404808044434, 0.16583096981048584, 0.47075414657592773, 4.661093711853027, 1.7120556831359863, 0.8079202175140381, 1.0841631889343262, 0.01986527442932129, 0.46240234375, 0.24620378017425537, 1.020059585571289, 0.23814988136291504, 23.379323959350586, 1.1139733791351318, 0.9261395931243896, 18.22597312927246, 21.244300842285156, 0.902040958404541, 7.349400520324707, 1.0460141897201538, 5.558167457580566, 0.59639573097229, 0.9532078504562378, 2.9313297271728516, 13.856186866760254, 0.9229497909545898, 0.5490090847015381, 0.40763819217681885, 1.8074297904968262, 1.5346360206604004, 14.27579402923584, 1.8092281818389893, 4.646337509155273, 16.56900978088379, 21.225847244262695, 0.8457061052322388, 18.266094207763672, 15.589319229125977, 0.13126778602600098, 17.85164451599121, 22.22993278503418, 0.9409651756286621, 0.7721655368804932, 11.641051292419434, 0.6252795457839966, 0.07745933532714844, 0.6176780462265015, 25.929372787475586, -0.008101463317871094, 0.7853004932403564, 24.954471588134766, 0.3125786781311035, 14.329422950744629, 12.76613998413086, 1.8145313262939453, 4.351830959320068, 0.20587027072906494, 1.0764060020446777, 4.584654808044434, 0.9967130422592163, 31.779296875, 0.8917843103408813, 1.0285617113113403, 0.6250432729721069, 14.706974983215332, 20.894620895385742, 0.5015676021575928, 3.009063959121704, 24.536130905151367, 25.96999740600586, 0.5043705701828003, 0.39350807666778564, 0.7057416439056396, 0.6807005405426025, 1.1267905235290527, 5.8166985511779785, 1.19021737575531, 15.251051902770996, 20.09313201904297, 1.0198984146118164, 0.411030650138855, 0.28387248516082764, 12.572808265686035, 0.371077299118042, 0.7410420179367065, -0.23137950897216797, 0.19381070137023926, 0.5207195281982422, 0.6693519353866577, 0.5984301567077637, 0.24327588081359863, 2.310049057006836, 0.8456153869628906, 4.922626495361328, 11.322450637817383, 1.5346360206604004, 1.1437246799468994, 0.7837710380554199, 0.11360335350036621, 16.93329429626465, 2.071333169937134, 0.010429143905639648, 0.38008439540863037, 0.7917766571044922, 0.35485386848449707, 0.1065528392791748, 1.8854341506958008, 19.90740203857422, 1.5292452573776245, 8.768157005310059, 28.375652313232422, 0.19617748260498047, 1.0620170831680298, 1.0346683263778687, 2.8812038898468018, 1.1203844547271729, 1.7523881196975708, 20.83793067932129, 20.45128631591797, 0.4813199043273926, 1.2951209545135498, 25.483213424682617, 0.64638352394104, 1.8703500032424927, 0.07180178165435791, 13.323661804199219, 1.0316139459609985, 22.1162052154541, 7.3021697998046875, 1.2870187759399414, 0.573121190071106, 0.7253309488296509, 10.755573272705078, 4.489166259765625, 7.837946891784668, 29.264734268188477, 2.1830825805664062, 31.094165802001953, 17.484336853027344, -0.13138222694396973, -0.19484949111938477, 0.26901888847351074, -0.8413147926330566, 0.9498803615570068, 6.536968231201172, 0.9614953994750977, -0.23754429817199707, 0.2271496057510376, 0.5081886053085327, 1.2413816452026367, 2.506328821182251, 0.5910629034042358, 0.6737940311431885, -0.23151493072509766, 0.630141019821167, 27.295726776123047, 1.0708297491073608, 24.375547409057617, 0.17973971366882324, 1.0655698776245117, 0.2335216999053955, 17.85164451599121, 1.2313319444656372, 1.5181716680526733, 1.4482636451721191, 0.16179656982421875, 7.967512130737305, 17.82268714904785, 23.71985626220703, -0.1306600570678711, 21.72171401977539, 0.725446343421936, -0.022251367568969727, 25.05651092529297, 4.449376106262207, -0.0955049991607666, 1.0271300077438354, 23.54998016357422, 11.032713890075684, 0.19174981117248535, 22.2746524810791, 29.504121780395508, -0.8153622150421143, 19.325532913208008, 1.622888207435608, 0.3125786781311035, 0.08625638484954834, 7.079593658447266, 21.28053855895996, 1.558237075805664, 13.32046890258789, 0.8720533847808838, 0.8087055683135986, 0.691290020942688, 1.3026618957519531, 0.5186583995819092, 0.012540817260742188, -0.14923453330993652, 0.4133991003036499, 25.504819869995117, 21.00764274597168, 8.825151443481445, 0.17595446109771729, -0.3833918571472168, 22.06171226501465, 0.08333730697631836, 16.47210693359375, 0.13223230838775635, 0.9584819078445435, 0.558640718460083, 0.1516401767730713, 0.5246119499206543, 0.3105049133300781, 13.99994945526123, 0.7024511098861694, 33.532981872558594, 0.7684879302978516, 0.06507658958435059, 19.607044219970703, 1.2904181480407715, 1.7707247734069824, 0.12959742546081543, 21.724891662597656, 1.0930211544036865, 0.3859473466873169, -0.16217494010925293, 26.926790237426758, 0.6483439207077026, 4.7158050537109375, 0.2901928424835205, 0.17926645278930664, 9.845854759216309, 0.8236352205276489, 31.80572509765625, 0.4501166343688965, 0.6387596130371094, 0.27291691303253174, 5.706487655639648, 23.016403198242188, 0.6003683805465698, 0.7439265251159668, 0.5116915702819824, 1.2312064170837402, 1.3662946224212646, 9.524666786193848, 25.477497100830078, 17.182464599609375, 10.713090896606445, 0.49893438816070557, 1.0172014236450195, 14.832357406616211, 19.660011291503906, 1.3674187660217285, 23.65101432800293, 0.07654333114624023, 0.40861785411834717, 0.42649567127227783, 0.5998780727386475, 1.963514804840088, 1.1779271364212036, 0.761253833770752, 0.6949272155761719, 20.67221450805664, 13.860138893127441, 19.32337760925293, 0.5898593664169312, 1.1303704977035522, 1.343080997467041, 26.12174415588379, 26.09142303466797, 0.7524312734603882, -0.04018855094909668, 1.244227409362793, 1.385832667350769, 0.30690741539001465, 0.474906325340271, 2.5892505645751953, 1.2085341215133667, 13.99642562866211, 0.5777747631072998, 1.9342436790466309, 0.41785597801208496, 18.2694149017334, 3.306468963623047, 5.147160530090332, 1.6640740633010864, 1.614851951599121, 1.0940016508102417, 0.732070803642273, 0.9091053009033203, 0.8525077104568481, 0.5936111211776733, 0.3293602466583252, 0.1091156005859375, 7.263416290283203, 6.609367370605469, 0.31412386894226074, 1.6309453248977661, 0.6360013484954834, 1.0420315265655518, 0.8801227807998657, 4.996481895446777, 16.72723388671875, 21.02837562561035, 6.128955841064453, 10.288461685180664, 23.65534782409668, 24.58839225769043, 0.9573951959609985, 1.2305923700332642, 25.229679107666016, 9.307900428771973, 0.5936111211776733, 1.0831413269042969, 16.547658920288086, 1.0073003768920898, 6.95538330078125, 20.725515365600586, 0.3283650875091553, 25.406496047973633, 23.679840087890625, 17.765132904052734, 19.16697883605957, 2.5891199111938477, 21.967670440673828, 0.21576035022735596, 0.3840581178665161, 1.3106703758239746, 15.44662857055664, 1.661999225616455, 0.21359825134277344, 14.99018383026123, 0.7836508750915527, 0.6382402181625366, 0.3430734872817993, 20.200653076171875, 11.02306842803955, 0.7914893627166748, 0.8769676685333252, 1.3353261947631836, 0.7776249647140503, 23.095170974731445, 10.271270751953125, 12.890558242797852, 28.82504653930664, 2.225494384765625, 1.102548599243164, 7.127799987792969, 0.5805466175079346, 0.6700301170349121, 9.21355152130127, 4.952304363250732, 0.14404022693634033, 2.0572848320007324, 7.304647445678711, 3.223154067993164, 0.09333586692810059, 0.3634195327758789, 14.825135231018066, 26.308324813842773, 31.46827507019043, 11.400445938110352, 1.008972406387329, 0.5627905130386353, 18.090496063232422, 0.1647331714630127, 24.894010543823242, 0.7267332077026367, 0.04480385780334473, 1.7038156986236572, 0.2658642530441284, 2.704313278198242, 0.33421480655670166, 9.117051124572754, 1.9494316577911377, 0.9326566457748413, 0.6360552310943604, 0.5276334285736084, 0.6104016304016113, 30.14710235595703, 1.0199579000473022, 0.2601747512817383, 0.43464648723602295, 0.5862134695053101, 1.4592764377593994, 11.571929931640625, 19.50521469116211, 0.4871779680252075, 12.837444305419922, 0.7749409675598145, 0.6188571453094482, 9.992752075195312, 1.2604831457138062, 0.43662869930267334, 25.8350772857666, 19.581039428710938, 0.39427828788757324, 0.30750107765197754, 0.293154239654541, 1.495566964149475, 2.071333169937134, 24.594547271728516, 0.4648559093475342, 1.5289098024368286, 16.561185836791992, 0.5595476627349854, 1.2767205238342285, 23.98181915283203, 0.5647391080856323, -0.07819604873657227, 0.17838740348815918, 15.605777740478516, 7.070254325866699, 1.9707351922988892, 1.968045949935913, 1.1414536237716675, 22.06171226501465, 22.517467498779297, 21.454879760742188, 2.6005704402923584, 0.5653246641159058, 1.8148404359817505, 6.897364616394043, 0.6544731855392456, 0.3305070400238037, 0.11067783832550049, 0.32440483570098877, 0.8472024202346802, -0.1623218059539795, 11.389288902282715, 1.435608983039856, 9.21355152130127, 1.8813285827636719, 29.46312713623047, 1.2580516338348389, 18.696964263916016, 0.18220019340515137, 15.59919261932373, 0.2730950117111206, 22.43485450744629, 6.950436592102051, -0.5588595867156982, 3.09175705909729, 1.0962488651275635, 26.192594528198242, 23.7967586517334, -0.1733388900756836, 18.511735916137695, 10.50631046295166, 0.750462532043457, 0.3934340476989746, 15.948132514953613, 0.59096360206604, 0.3951995372772217, 1.7974750995635986, 0.4745544195175171, 0.04122018814086914, 1.632045030593872, 1.8332396745681763, 11.317468643188477, 21.770605087280273, 21.444068908691406, 23.97181510925293, 1.233096957206726, 15.373908996582031, 1.2217713594436646, 31.20269203186035, 27.50885581970215, 0.7713562250137329, 1.5464208126068115, -0.027542829513549805, 0.2677299976348877, 1.164024829864502, 10.204297065734863, 0.1461104154586792, 0.19974160194396973, 1.2519662380218506, 0.36755919456481934, 17.355337142944336, 0.42354846000671387, 1.683828592300415, 5.1183013916015625, 0.8191647529602051, 18.738739013671875, 0.5505361557006836, 2.893458843231201, 20.456512451171875, 2.496981620788574, 22.466754913330078, 0.4954429864883423, 0.07945537567138672, 0.22856974601745605, 11.184759140014648, 0.2335827350616455, 0.22042536735534668, 8.877311706542969, 2.001591920852661, 0.24077332019805908, 24.287513732910156, 21.531238555908203, 3.810441017150879, 30.487716674804688, 5.953681945800781, 0.14558887481689453, 0.2338414192199707, 0.610877513885498, 0.030500173568725586, 2.0907976627349854, 0.29528093338012695, 2.1830825805664062, 0.1591958999633789, 0.17838740348815918, 0.5323749780654907, 1.3509595394134521, 0.3754385709762573, 1.8890762329101562, 17.31801986694336, -0.6752583980560303, 0.3937857151031494, 9.667555809020996, 0.282090425491333, 0.10817813873291016, 25.489580154418945, 19.55782127380371, 24.38767433166504, 0.951627254486084, -0.024054765701293945, 13.706393241882324, 0.4829357862472534, 0.3970763683319092, 1.910283088684082, 19.05110740661621, 8.095014572143555, 0.6052007675170898, 1.782068133354187, 0.5671671628952026, 8.380099296569824, 25.55560874938965, -0.34203457832336426, 0.39575302600860596, 0.08588635921478271, 2.893458843231201, -0.47677183151245117, 2.6072278022766113, 0.70784592628479, 21.32805824279785, 22.85547637939453, 15.202131271362305, 19.548551559448242, 18.27180290222168, 0.5651659965515137, 26.73187255859375, 0.7246050834655762, 1.2118380069732666, 1.1139733791351318, 0.5841138362884521, 5.407160758972168, 29.47054100036621, 0.5614407062530518, 2.9531450271606445, 0.43356072902679443, 18.004512786865234, 0.08132314682006836, -0.027799367904663086, 9.92026138305664, 22.991165161132812, 21.758739471435547, 0.7641317844390869, 1.0472193956375122, 0.7763859033584595, 0.47706103324890137, -0.1941986083984375, 0.647487998008728, 0.8087055683135986, 25.292966842651367, 25.05097770690918, 0.26208460330963135, 1.1784822940826416, 0.7739993333816528, -0.05451655387878418, 18.223142623901367, 0.6430166959762573, 5.542612075805664, 4.048553943634033, 0.21482408046722412, 0.5713925361633301, 1.7109849452972412, 24.248783111572266, 1.1821684837341309, 0.7765706777572632, 15.973130226135254, 1.2085341215133667, 1.1946895122528076, 25.477497100830078, 2.312882900238037, 0.2919657230377197, -0.18174242973327637, 0.5532422065734863, 1.6050773859024048, 0.3402571678161621, 0.3305647373199463, -0.09495377540588379, 0.5164928436279297, 0.7363314628601074, 1.04908287525177, 19.607044219970703, 19.79130744934082, 26.76692771911621, 2.358349561691284, 21.866668701171875, 21.897859573364258, 0.9673812389373779, -0.0695652961730957, 0.7773033380508423, 0.9463920593261719, 0.34245336055755615, 0.9282728433609009, 13.99994945526123, 15.878512382507324, 0.33414292335510254, 9.671904563903809, 8.220147132873535, 20.69982147216797, 1.4473700523376465, 0.6483771800994873, 0.7059241533279419, 1.3511844873428345, 4.793540954589844, 11.152853965759277, 0.431022047996521, 34.03661346435547, 0.2596302032470703, 1.3421798944473267, 21.80760383605957, 0.9390925168991089, 0.24498701095581055, 1.9639618396759033, -0.08061790466308594, 23.679840087890625, 0.7080931663513184, 11.790570259094238, 1.3026973009109497, 0.05967068672180176, 4.563940048217773, 15.521134376525879, 0.6081005334854126, 0.8762845993041992, 0.4648559093475342, 1.0118153095245361, 15.772680282592773, 0.44658708572387695, 11.944432258605957, 5.619204998016357, 14.248649597167969, 1.072019338607788, 11.626289367675781, 22.567712783813477, 24.25129508972168, 0.023235082626342773, 0.22472691535949707, 10.044140815734863, 24.5955753326416, 1.0256413221359253, 6.419903755187988, 1.7631725072860718, 0.24510645866394043, 1.6415512561798096, 1.6579337120056152, 3.1466574668884277, 1.6286122798919678, 0.10747373104095459, -0.05323219299316406, -0.36492013931274414, 14.712043762207031, 2.1908392906188965, 1.2172974348068237, 17.776405334472656, 0.2329411506652832, 1.984917402267456, -0.5411088466644287, 0.28425610065460205, 0.6638346910476685, 0.7208994626998901, 8.748626708984375, 19.07655143737793, 19.90509033203125, 2.2977921962738037, 0.5241827964782715, 1.3387541770935059, 0.4774351119995117, 12.821545600891113, 0.3030850887298584, 0.42128753662109375, 17.634078979492188, 9.494131088256836, 23.914501190185547]

# July

Epoch #: 1

Epoch: 1 Training Loss: 103.690454 Validation Loss: 90.078013

Validation loss decreased (inf --> 90.078013). Saving model ...

Time: 77.46490526199341

Current Time = 10:54:56

LR: 0.001

Epoch #: 2

Epoch: 2 Training Loss: 85.495340 Validation Loss: 87.853796

Validation loss decreased (90.078013 --> 87.853796). Saving model ...

Time: 77.10382199287415

Current Time = 10:56:13

LR: 0.001

Epoch #: 3

Epoch: 3 Training Loss: 77.198059 Validation Loss: 64.896789

Validation loss decreased (87.853796 --> 64.896789). Saving model ...

Time: 76.83854794502258

Current Time = 10:57:30

LR: 0.001

Epoch #: 4

Epoch: 4 Training Loss: 67.420544 Validation Loss: 61.351862

Validation loss decreased (64.896789 --> 61.351862). Saving model ...

Time: 77.23050093650818

Current Time = 10:58:47

LR: 0.001

Epoch #: 5

Epoch: 5 Training Loss: 63.461108 Validation Loss: 62.808006

Time: 76.95073795318604

Current Time = 11:00:04

LR: 0.001

Epoch #: 6

Epoch: 6 Training Loss: 60.387930 Validation Loss: 50.433643

Validation loss decreased (61.351862 --> 50.433643). Saving model ...

Time: 77.18461656570435

Current Time = 11:01:22

LR: 0.001

Epoch #: 7

Epoch: 7 Training Loss: 58.714913 Validation Loss: 51.139205

Time: 77.26291608810425

Current Time = 11:02:39

LR: 0.001

Epoch #: 8

Epoch: 8 Training Loss: 51.896864 Validation Loss: 51.678630

Time: 77.44492220878601

Current Time = 11:03:56

LR: 0.001

Epoch #: 9

Epoch: 9 Training Loss: 48.296633 Validation Loss: 42.164435

Validation loss decreased (50.433643 --> 42.164435). Saving model ...

Time: 76.7044084072113

Current Time = 11:05:13

LR: 0.001

Epoch #: 10

Epoch: 10 Training Loss: 44.603919 Validation Loss: 38.719693

Validation loss decreased (42.164435 --> 38.719693). Saving model ...

Time: 76.70839667320251

Current Time = 11:06:30

LR: 0.001

Epoch #: 11

Epoch: 11 Training Loss: 43.683089 Validation Loss: 57.216797

Time: 76.58970355987549

Current Time = 11:07:46

LR: 0.001

Epoch #: 12

Epoch: 12 Training Loss: 40.628881 Validation Loss: 33.677553

Validation loss decreased (38.719693 --> 33.677553). Saving model ...

Time: 76.5478286743164

Current Time = 11:09:03

LR: 0.001

Epoch #: 13

Epoch: 13 Training Loss: 40.658787 Validation Loss: 40.222871

Time: 76.63508915901184

Current Time = 11:10:19

LR: 0.001

Epoch #: 14

Epoch: 14 Training Loss: 38.394887 Validation Loss: 34.310427

Time: 76.37030148506165

Current Time = 11:11:36

LR: 0.001

Epoch #: 15

Epoch: 15 Training Loss: 40.129128 Validation Loss: 38.669326

Time: 76.51740312576294

Current Time = 11:12:52

LR: 0.001

Epoch #: 16

Epoch: 16 Training Loss: 36.626076 Validation Loss: 39.800540

Time: 76.54483580589294

Current Time = 11:14:09

LR: 0.001

Epoch #: 17

Epoch: 17 Training Loss: 37.392227 Validation Loss: 33.741115

Time: 76.48349332809448

Current Time = 11:15:25

LR: 0.001

Epoch #: 18

Epoch: 18 Training Loss: 33.127344 Validation Loss: 32.746405

Validation loss decreased (33.677553 --> 32.746405). Saving model ...

Time: 76.82109904289246

Current Time = 11:16:42

LR: 0.001

Epoch #: 19

Epoch: 19 Training Loss: 35.130136 Validation Loss: 34.379651

Time: 76.8555006980896

Current Time = 11:17:59

LR: 0.001

Epoch #: 20

Epoch: 20 Training Loss: 34.273255 Validation Loss: 34.316141

Time: 77.09884881973267

Current Time = 11:19:16

LR: 0.001

Epoch #: 21

Epoch: 21 Training Loss: 32.851323 Validation Loss: 28.239254

Validation loss decreased (32.746405 --> 28.239254). Saving model ...

Time: 76.74629712104797

Current Time = 11:20:33

LR: 0.001

Epoch #: 22

Epoch: 22 Training Loss: 29.981450 Validation Loss: 26.406396

Validation loss decreased (28.239254 --> 26.406396). Saving model ...

Time: 76.77371621131897

Current Time = 11:21:50

LR: 0.001

Epoch #: 23

Epoch: 23 Training Loss: 32.896845 Validation Loss: 27.028402

Time: 76.79366445541382

Current Time = 11:23:07

LR: 0.001

Epoch #: 24

Epoch: 24 Training Loss: 30.510365 Validation Loss: 25.669997

Validation loss decreased (26.406396 --> 25.669997). Saving model ...

Time: 76.42963528633118

Current Time = 11:24:23

LR: 0.001

Epoch #: 25

Epoch: 25 Training Loss: 30.076167 Validation Loss: 30.162196

Time: 76.50593972206116

Current Time = 11:25:39

LR: 0.001

Epoch #: 26

Epoch: 26 Training Loss: 30.322244 Validation Loss: 23.152781

Validation loss decreased (25.669997 --> 23.152781). Saving model ...

Time: 76.38675355911255

Current Time = 11:26:56

LR: 0.001

Epoch #: 27

Epoch: 27 Training Loss: 29.485594 Validation Loss: 24.138445

Time: 76.48898458480835

Current Time = 11:28:12

LR: 0.001

Epoch #: 28

Epoch: 28 Training Loss: 28.650517 Validation Loss: 26.822661

Time: 76.54233455657959

Current Time = 11:29:29

LR: 0.001

Epoch #: 29

Epoch: 29 Training Loss: 27.538342 Validation Loss: 24.226377

Time: 76.76823806762695

Current Time = 11:30:46

LR: 0.001

Epoch #: 30

Epoch: 30 Training Loss: 27.471536 Validation Loss: 23.547842

Time: 77.42548203468323

Current Time = 11:32:03

LR: 0.001

Epoch #: 31

Epoch: 31 Training Loss: 28.110428 Validation Loss: 21.830719

Validation loss decreased (23.152781 --> 21.830719). Saving model ...

Time: 79.61262011528015

Current Time = 11:33:23

LR: 0.001

Epoch #: 32

Epoch: 32 Training Loss: 25.831059 Validation Loss: 24.513371

Time: 76.66200351715088

Current Time = 11:34:39

LR: 0.001

Epoch #: 33

Epoch: 33 Training Loss: 24.793767 Validation Loss: 23.369885

Time: 76.47151231765747

Current Time = 11:35:56

LR: 0.001

Epoch #: 34

Epoch: 34 Training Loss: 27.336506 Validation Loss: 20.170193

Validation loss decreased (21.830719 --> 20.170193). Saving model ...

Time: 76.51091504096985

Current Time = 11:37:12

LR: 0.001

Epoch #: 35

Epoch: 35 Training Loss: 24.135550 Validation Loss: 20.396679

Time: 76.6161458492279

Current Time = 11:38:29

LR: 0.001

Epoch #: 36

Epoch: 36 Training Loss: 26.115341 Validation Loss: 28.929618

Time: 76.51241564750671

Current Time = 11:39:46

LR: 0.001

Epoch #: 37

Epoch: 37 Training Loss: 24.659796 Validation Loss: 19.702217

Validation loss decreased (20.170193 --> 19.702217). Saving model ...

Time: 76.52787947654724

Current Time = 11:41:02

LR: 0.001

Epoch #: 38

Epoch: 38 Training Loss: 22.218914 Validation Loss: 20.970296

Time: 76.61264157295227

Current Time = 11:42:19

LR: 0.001

Epoch #: 39

Epoch: 39 Training Loss: 22.356278 Validation Loss: 20.569310

Time: 76.55381274223328

Current Time = 11:43:35

LR: 0.001

Epoch #: 40

Epoch: 40 Training Loss: 24.102340 Validation Loss: 22.348900

Time: 76.66301536560059

Current Time = 11:44:52

LR: 0.001

Epoch #: 41

Epoch: 41 Training Loss: 22.731435 Validation Loss: 24.493429

Time: 76.38925242424011

Current Time = 11:46:08

LR: 0.0009699999999999999

Epoch #: 42

Epoch: 42 Training Loss: 22.866204 Validation Loss: 19.993622

Time: 76.58821368217468

Current Time = 11:47:25

LR: 0.0009408999999999999

Epoch #: 43

Epoch: 43 Training Loss: 21.134012 Validation Loss: 23.049692

Time: 77.01059007644653

Current Time = 11:48:42

LR: 0.0009126729999999999

Epoch #: 44

Epoch: 44 Training Loss: 20.431360 Validation Loss: 17.519544

Validation loss decreased (19.702217 --> 17.519544). Saving model ...

Time: 76.5243833065033

Current Time = 11:49:58

LR: 0.0008852928099999999

Epoch #: 45

Epoch: 45 Training Loss: 20.909086 Validation Loss: 20.175605

Time: 84.94197344779968

Current Time = 11:51:23

LR: 0.0008587340256999998

Epoch #: 46

Epoch: 46 Training Loss: 22.155938 Validation Loss: 16.754720

Validation loss decreased (17.519544 --> 16.754720). Saving model ...

Time: 83.88468670845032

Current Time = 11:52:47

LR: 0.0008329720049289999

Epoch #: 47

Epoch: 47 Training Loss: 20.606130 Validation Loss: 17.595637

Time: 81.52627158164978

Current Time = 11:54:09

LR: 0.0008079828447811299

Epoch #: 48

Epoch: 48 Training Loss: 19.609589 Validation Loss: 18.238303

Time: 83.17480516433716

Current Time = 11:55:32

LR: 0.0007837433594376959

Epoch #: 49

Epoch: 49 Training Loss: 20.518461 Validation Loss: 17.623370

Time: 78.64897274971008

Current Time = 11:56:51

LR: 0.000760231058654565

Epoch #: 50

Epoch: 50 Training Loss: 19.478465 Validation Loss: 16.025745

Validation loss decreased (16.754720 --> 16.025745). Saving model ...

Time: 78.26814770698547

Current Time = 11:58:09

LR: 0.000737424126894928

Epoch #: 51

Epoch: 51 Training Loss: 17.995266 Validation Loss: 17.323937

Time: 83.87475967407227

Current Time = 11:59:33

LR: 0.0007153014030880802

Epoch #: 52

Epoch: 52 Training Loss: 19.318040 Validation Loss: 15.327473

Validation loss decreased (16.025745 --> 15.327473). Saving model ...

Time: 82.4470272064209

Current Time = 12:00:55

LR: 0.0006938423609954377

Epoch #: 53

Epoch: 53 Training Loss: 18.501595 Validation Loss: 16.656871

Time: 84.55791115760803

Current Time = 12:02:20

LR: 0.0006730270901655745

Epoch #: 54

Epoch: 54 Training Loss: 17.901189 Validation Loss: 15.554232

Time: 84.92341685295105

Current Time = 12:03:45

LR: 0.0006528362774606073

Epoch #: 55

Epoch: 55 Training Loss: 17.060020 Validation Loss: 15.829575

Time: 84.32219815254211

Current Time = 12:05:09

LR: 0.0006332511891367891

Epoch #: 56

Epoch: 56 Training Loss: 15.686080 Validation Loss: 15.042703

Validation loss decreased (15.327473 --> 15.042703). Saving model ...

Time: 81.0383927822113

Current Time = 12:06:30

LR: 0.0006142536534626854

Epoch #: 57

Epoch: 57 Training Loss: 16.497614 Validation Loss: 15.787740

Time: 81.32877254486084

Current Time = 12:07:52

LR: 0.0005958260438588048

Epoch #: 58

Epoch: 58 Training Loss: 15.993557 Validation Loss: 15.223897

Time: 81.71405816078186

Current Time = 12:09:13

LR: 0.0005779512625430406

Epoch #: 59

Epoch: 59 Training Loss: 16.493749 Validation Loss: 16.228120

Time: 82.00387263298035

Current Time = 12:10:35

LR: 0.0005606127246667494

Epoch #: 60

Epoch: 60 Training Loss: 16.535524 Validation Loss: 14.009008

Validation loss decreased (15.042703 --> 14.009008). Saving model ...

Time: 81.08789896965027

Current Time = 12:11:56

LR: 0.0005437943429267469

Epoch #: 61

Epoch: 61 Training Loss: 15.287719 Validation Loss: 14.190507

Time: 81.32115411758423

Current Time = 12:13:18

LR: 0.0005274805126389445

Epoch #: 62

Epoch: 62 Training Loss: 15.530104 Validation Loss: 14.157230

Time: 80.92337775230408

Current Time = 12:14:39

LR: 0.0005116560972597762

Epoch #: 63

Epoch: 63 Training Loss: 14.997932 Validation Loss: 14.382592

Time: 81.17257380485535

Current Time = 12:16:00

LR: 0.0004963064143419829

Epoch #: 64

Epoch: 64 Training Loss: 15.232908 Validation Loss: 14.735078

Time: 82.03483366966248

Current Time = 12:17:22

LR: 0.00048141722191172336

Epoch #: 65

Epoch: 65 Training Loss: 15.174694 Validation Loss: 14.590732

Time: 80.7549889087677

Current Time = 12:18:43

LR: 0.00046697470525437166

Epoch #: 66

Epoch: 66 Training Loss: 15.314684 Validation Loss: 14.865412

Time: 80.29096579551697

Current Time = 12:20:03

LR: 0.0004529654640967405

Epoch #: 67

Epoch: 67 Training Loss: 14.286345 Validation Loss: 16.846631

Time: 80.76848244667053

Current Time = 12:21:24

LR: 0.0004393765001738382

Epoch #: 68

Epoch: 68 Training Loss: 14.532987 Validation Loss: 13.663501

Validation loss decreased (14.009008 --> 13.663501). Saving model ...

Time: 80.85665035247803

Current Time = 12:22:45

LR: 0.00042619520516862307

Epoch #: 69

Epoch: 69 Training Loss: 15.269977 Validation Loss: 13.670714

Time: 80.61887955665588

Current Time = 12:24:05

LR: 0.00041340934901356436

Epoch #: 70

Epoch: 70 Training Loss: 13.725318 Validation Loss: 13.481476

Validation loss decreased (13.663501 --> 13.481476). Saving model ...

Time: 80.62411165237427

Current Time = 12:25:26

LR: 0.0004010070685431574

Epoch #: 71

Epoch: 71 Training Loss: 14.844783 Validation Loss: 14.002466

Time: 81.66611862182617

Current Time = 12:26:47

LR: 0.0003889768564868627

Epoch #: 72

Epoch: 72 Training Loss: 13.892325 Validation Loss: 15.434960

Time: 80.58500838279724

Current Time = 12:28:08

LR: 0.0003773075507922568

Epoch #: 73

Epoch: 73 Training Loss: 14.006027 Validation Loss: 14.870359

Time: 80.48505234718323

Current Time = 12:29:29

LR: 0.0003659883242684891

Epoch #: 74

Epoch: 74 Training Loss: 13.775143 Validation Loss: 13.157330

Validation loss decreased (13.481476 --> 13.157330). Saving model ...

Time: 81.35605573654175

Current Time = 12:30:50

LR: 0.00035500867454043444

Epoch #: 75

Epoch: 75 Training Loss: 13.094882 Validation Loss: 13.002496

Validation loss decreased (13.157330 --> 13.002496). Saving model ...

Time: 81.12475943565369

Current Time = 12:32:11

LR: 0.0003443584143042214

Epoch #: 76

Epoch: 76 Training Loss: 13.593031 Validation Loss: 13.712116

Time: 81.11019349098206

Current Time = 12:33:32

LR: 0.00033402766187509475

Epoch #: 77

Epoch: 77 Training Loss: 13.282059 Validation Loss: 12.775722

Validation loss decreased (13.002496 --> 12.775722). Saving model ...

Time: 81.41286492347717

Current Time = 12:34:54

LR: 0.0003240068320188419

Epoch #: 78

Epoch: 78 Training Loss: 12.903517 Validation Loss: 13.257100

Time: 80.64586853981018

Current Time = 12:36:14

LR: 0.00031428662705827666

Epoch #: 79

Epoch: 79 Training Loss: 13.434827 Validation Loss: 12.113881

Validation loss decreased (12.775722 --> 12.113881). Saving model ...

Time: 81.02205109596252

Current Time = 12:37:35

LR: 0.00030485802824652835

Epoch #: 80

Epoch: 80 Training Loss: 12.435524 Validation Loss: 12.783573

Time: 86.09184217453003

Current Time = 12:39:01

LR: 0.0002957122873991325

Operation Complete

[103.69045411293023, 85.49534029435634, 77.19805886877788, 67.42054435119941, 63.46110843245391, 60.3879298893184, 58.714912962137944, 51.89686377309907, 48.29663259897371, 44.60391882963621, 43.68308880037075, 40.6288808803324, 40.65878748796114, 38.39488687224557, 40.129127617433895, 36.62607595441122, 37.392227255289285, 33.12734419053202, 35.13013582204124, 34.27325532369119, 32.8513231202621, 29.98144970298681, 32.89684490993741, 30.51036533241493, 30.076166688907787, 30.32224382428932, 29.48559441565925, 28.650517405882763, 27.53834213545585, 27.471536343183377, 28.110427636629456, 25.831059216856413, 24.793767059982855, 27.336505994105796, 24.135549934372456, 26.11534104003377, 24.65979635992085, 22.218914244476505, 22.356278056558477, 24.10234001911058, 22.731434556437797, 22.866203700328708, 21.13401217499682, 20.43135985387684, 20.90908588906979, 22.15593830644542, 20.606129710217623, 19.609589167461273, 20.518460526533623, 19.47846518656251, 17.995266026358806, 19.31803954189967, 18.501595236001716, 17.90118887418503, 17.060020283515396, 15.686079784400686, 16.49761429079914, 15.993557267670635, 16.49374934359775, 16.53552352339436, 15.287718740780859, 15.530104311801717, 14.997932033418415, 15.232908394469035, 15.17469371725094, 15.314683978412779, 14.286344945051109, 14.532987120587572, 15.269977384773139, 13.725318387598206, 14.84478341281631, 13.892325140407022, 14.006026882600308, 13.775143491546602, 13.09488225033383, 13.593030975773944, 13.282058657164786, 12.903517298203798, 13.434827167720444, 12.435523726391835]

[90.07801270940502, 87.85379635300606, 64.89678868822232, 61.35186242449815, 62.80800589786214, 50.43364307379267, 51.1392048863089, 51.67863037935488, 42.1644353441372, 38.71969317175021, 57.21679652078896, 33.67755299464912, 40.22287128837245, 34.31042720709637, 38.66932624160864, 39.80054042597485, 33.74111493529787, 32.74640520514956, 34.37965125946482, 34.316141414034895, 28.239253985654017, 26.406396195387384, 27.028402065775197, 25.669997159083177, 30.1621963019204, 23.15278138628431, 24.13844450112361, 26.822660885039408, 24.226377257875576, 23.547842384903294, 21.83071878001948, 24.513371397735206, 23.369885260891763, 20.170192730654577, 20.39667949782815, 28.929618401891865, 19.702216954747584, 20.970296253823932, 20.569310067945224, 22.348899850420132, 24.493428865815424, 19.993622473091076, 23.049692478908856, 17.519544440469925, 20.175604877198577, 16.754720259623923, 17.5956367140363, 18.238302605546963, 17.623369793603374, 16.02574492753691, 17.323936799529253, 15.327473445303122, 16.65687084046139, 15.554232426841928, 15.829575477891668, 15.04270316499054, 15.787739606419946, 15.223896510661787, 16.228119821305487, 14.009008020352406, 14.190506653990715, 14.157229599679352, 14.382591758943667, 14.735077904667824, 14.590731706399067, 14.865411545820297, 16.846631188301522, 13.663500732676997, 13.670714295593797, 13.481475814892228, 14.002465962604353, 15.434960083027555, 14.870358949254273, 13.157329680813346, 13.002495568649024, 13.712116028852524, 12.775722046376794, 13.257099907109692, 12.113880602417478, 12.783573227323544]

[1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80]

[0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.0009699999999999999, 0.0009408999999999999, 0.0009126729999999999, 0.0008852928099999999, 0.0008587340256999998, 0.0008329720049289999, 0.0008079828447811299, 0.0007837433594376959, 0.000760231058654565, 0.000737424126894928, 0.0007153014030880802, 0.0006938423609954377, 0.0006730270901655745, 0.0006528362774606073, 0.0006332511891367891, 0.0006142536534626854, 0.0005958260438588048, 0.0005779512625430406, 0.0005606127246667494, 0.0005437943429267469, 0.0005274805126389445, 0.0005116560972597762, 0.0004963064143419829, 0.00048141722191172336, 0.00046697470525437166, 0.0004529654640967405, 0.0004393765001738382, 0.00042619520516862307, 0.00041340934901356436, 0.0004010070685431574, 0.0003889768564868627, 0.0003773075507922568, 0.0003659883242684891, 0.00035500867454043444, 0.0003443584143042214, 0.00033402766187509475, 0.0003240068320188419, 0.00031428662705827666, 0.00030485802824652835, 0.0002957122873991325]

test loss from 0 : 2.943437099456787

Output of network: tensor([ 1.1479, 0.7397, 20.5122, 1.6853, 22.8482, 0.4349], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 20.4331, 0.0000, 26.4203, 0.0000], device='cuda:0')

loss from this run: 2.943437099456787

Output 3 : 20.512218475341797

Output 5 : 22.848167419433594

Target 3 : 20.433076858520508

Target 5 : 26.420297622680664

test loss from 1 : 1.831560492515564

Output of network: tensor([ 0.0629, 0.1638, 1.1681, 7.2563, 31.0685, 0.5278], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 9.3247, 33.3129, 0.0000], device='cuda:0')

loss from this run: 1.831560492515564

Output 4 : 7.256326198577881

Output 5 : 31.06850814819336

Target 4 : 9.324691772460938

Target 5 : 33.312896728515625

test loss from 2 : 3.6325907707214355

Output of network: tensor([14.8141, 0.4713, 23.6998, 26.6480, 0.1766, 26.1205], device='cuda:0')

Target Values: tensor([13.6171, 0.0000, 24.6648, 24.7040, 0.0000, 30.0446], device='cuda:0')

test loss from 2 : 0.6952992677688599

Output of network: tensor([16.7128, -0.1209, -0.1347, 0.3341, 21.2185, 0.8349], device='cuda:0')

Target Values: tensor([18.4218, 0.0000, 0.0000, 0.0000, 20.5784, 0.0000], device='cuda:0')

test loss from 2 : 1.8420159816741943

Output of network: tensor([ 2.9935, 14.5470, 0.5254, 25.9982, 0.7360, 1.0201], device='cuda:0')

Target Values: tensor([ 0.0000, 14.9589, 0.0000, 25.7475, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 20.447357177734375

Output of network: tensor([-0.1256, 0.6126, 35.8350, 24.2825, 28.5053, 4.5519], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 41.2147, 23.5579, 36.1281, 10.4443], device='cuda:0')

test loss from 2 : 4.603487968444824

Output of network: tensor([ 0.6385, 23.3482, 16.0372, 0.8905, 0.2823, 1.7210], device='cuda:0')

Target Values: tensor([ 0.0000, 27.9837, 14.6623, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 3.5521819591522217

Output of network: tensor([ 0.7076, 0.0910, 0.3125, 28.8610, 32.8839, 6.0844], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 27.5526, 37.2201, 5.6470], device='cuda:0')

test loss from 2 : 2.4944944381713867

Output of network: tensor([ 0.8547, 11.4299, 0.3504, 0.9116, 6.3907, 0.3580], device='cuda:0')

Target Values: tensor([ 0.0000, 11.8520, 0.0000, 0.0000, 9.9929, 0.0000], device='cuda:0')

test loss from 2 : 1.2368648052215576

Output of network: tensor([ 0.6167, 0.2121, 0.6932, -0.1089, 27.5599, 0.8375], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 0.0000, 29.9686, 0.0000], device='cuda:0')

test loss from 2 : 1.9651849269866943

Output of network: tensor([32.7764, 17.8737, 26.2994, 23.2268, 0.8329, 35.6873], device='cuda:0')

Target Values: tensor([34.0871, 15.5750, 24.8517, 24.2312, 0.0000, 34.6918], device='cuda:0')

test loss from 2 : 14.410758972167969

Output of network: tensor([ 6.7663, 31.2090, 9.7317, 17.4545, 22.1310, 26.6390], device='cuda:0')

Target Values: tensor([ 0.0000, 36.3999, 7.4910, 19.0412, 20.8672, 28.7840], device='cuda:0')

test loss from 2 : 10.117415428161621

Output of network: tensor([ 1.7416, 25.1289, 0.3826, 0.6124, 19.4944, 0.2096], device='cuda:0')

Target Values: tensor([ 0.0000, 23.9451, 0.0000, 0.0000, 26.9580, 0.0000], device='cuda:0')

test loss from 2 : 33.45741271972656

Output of network: tensor([ 7.1640, 29.8924, 1.4074, 0.5205, 25.4934, 20.2997], device='cuda:0')

Target Values: tensor([ 0.0000, 33.9225, 10.3553, 0.0000, 32.5448, 18.5327], device='cuda:0')

test loss from 2 : 0.3615403175354004

Output of network: tensor([ 0.4709, 0.0286, 0.1934, 7.3794, 19.0860, 34.3423],

device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 8.2181, 18.4337, 35.2257], device='cuda:0')

test loss from 2 : 25.061447143554688

Output of network: tensor([ 1.7941, 0.4275, 31.8304, 17.4368, 27.1513, 39.8005], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 30.3684, 27.3469, 22.0683, 44.3594], device='cuda:0')

test loss from 2 : 28.336074829101562

Output of network: tensor([ 0.8664, 0.8601, 23.1749, 26.4706, 21.8194, 19.7413], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 20.4212, 36.0725, 22.9416, 11.5262], device='cuda:0')

test loss from 2 : 1.576309084892273

Output of network: tensor([ 0.3946, 0.2218, 0.4394, 2.9913, 0.0141, 27.1409],

device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 0.0000, 0.0000, 27.4752], device='cuda:0')

test loss from 2 : 37.49596405029297

Output of network: tensor([15.1735, 27.2374, 0.8198, 11.1002, 26.8037, 16.1173], device='cuda:0')

Target Values: tensor([17.0730, 32.0626, 0.0000, 23.2650, 25.4708, 23.0204], device='cuda:0')

test loss from 2 : 0.42735183238983154

Output of network: tensor([0.0984, 6.5286, 0.7885, 0.5221, 0.8869, 0.1400], device='cuda:0')

Target Values: tensor([0.0000, 7.4527, 0.0000, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 9.577535629272461

Output of network: tensor([ 24.0342, -0.0336, 34.6343, 23.3771, 9.9564,

34.1400], device='cuda:0')

Target Values: tensor([29.3808, 0.0000, 39.5505, 24.7358, 9.9660, 32.4478], device='cuda:0')

test loss from 2 : 11.090537071228027

Output of network: tensor([ 0.7871, 0.6083, 43.6704, 1.4266, 20.0564, 0.9385], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 51.5755, 0.0000, 19.6729, 0.0000], device='cuda:0')

test loss from 2 : 6.641146659851074

Output of network: tensor([ 4.4640, 30.4921, 0.4197, 3.3570, 0.7263, 0.5754], device='cuda:0')

Target Values: tensor([ 0.0000, 34.5380, 0.0000, 1.7708, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 2.579794406890869

Output of network: tensor([ 0.7344, 11.3803, 0.4224, 21.8548, -0.2209, 22.9306], device='cuda:0')

Target Values: tensor([ 0.0000, 11.2964, 0.0000, 22.2525, 0.0000, 26.7447], device='cuda:0')

test loss from 2 : 17.915985107421875

Output of network: tensor([23.6700, 6.1426, 0.7777, 17.2310, 23.8441, 16.0045], device='cuda:0')

Target Values: tensor([26.6999, 3.2810, 0.0000, 14.5132, 14.8524, 14.8715], device='cuda:0')

test loss from 2 : 3.086780548095703

Output of network: tensor([ 0.8093, 0.5360, 23.0351, -0.0479, 24.0077, 0.5109], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 21.4658, 0.0000, 27.8615, 0.0000], device='cuda:0')

test loss from 2 : 8.8696928024292

Output of network: tensor([ 5.4389, 0.8961, 0.4817, -0.0661, 9.0651, 29.6719], device='cuda:0')

Target Values: tensor([12.0022, 0.0000, 0.0000, 0.0000, 10.2184, 26.8840], device='cuda:0')

test loss from 2 : 30.252002716064453

Output of network: tensor([21.6796, 17.0954, 23.9175, 0.3921, 3.9416, 0.6801], device='cuda:0')

Target Values: tensor([26.0586, 22.2337, 27.4339, 0.0000, 15.0300, 0.0000], device='cuda:0')

test loss from 2 : 15.486380577087402

Output of network: tensor([17.8966, 0.1152, 26.8191, 28.3944, 20.4118, 0.7029], device='cuda:0')

Target Values: tensor([18.0041, 0.0000, 35.7131, 26.7473, 23.6651, 0.0000], device='cuda:0')

test loss from 2 : 61.22018051147461

Output of network: tensor([11.8553, 0.1589, 2.3798, 32.1004, 30.9075, 26.1947], device='cuda:0')

Target Values: tensor([13.7302, 0.0000, 0.0000, 50.7798, 31.2295, 29.2104], device='cuda:0')

test loss from 2 : 4.0712890625

Output of network: tensor([ 0.9242, 12.9128, 34.0849, 0.4344, 6.5084, 5.5028], device='cuda:0')

Target Values: tensor([ 0.0000, 10.5802, 34.2704, 0.0000, 10.7212, 5.1008], device='cuda:0')

test loss from 2 : 0.27165424823760986

Output of network: tensor([21.6771, 15.4905, 0.3777, -0.0301, 1.1518, 0.3248], device='cuda:0')

Target Values: tensor([21.8233, 15.6715, 0.0000, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 0.5081276893615723

Output of network: tensor([27.7387, 0.0620, 37.5265, 0.7363, 0.2189, 0.8739], device='cuda:0')

Target Values: tensor([26.4800, 0.0000, 37.1994, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 9.747640609741211

Output of network: tensor([ 4.2997, 17.4348, 24.6062, 0.6115, 0.2749, 21.5231], device='cuda:0')

Target Values: tensor([ 0.0000, 19.7874, 24.3409, 0.0000, 0.0000, 27.3492], device='cuda:0')

test loss from 2 : 2.1330153942108154

Output of network: tensor([-0.0539, 38.3038, 1.2812, 1.3029, 0.0584, 18.5327], device='cuda:0')

Target Values: tensor([ 0.0000, 41.3522, 0.0000, 0.0000, 0.0000, 18.9323], device='cuda:0')

test loss from 2 : 12.368266105651855

Output of network: tensor([ 6.2002, 0.3338, 21.4576, 30.1932, 0.2201, 10.5880], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 24.7521, 25.4578, 0.0000, 12.1141], device='cuda:0')

test loss from 2 : 0.9755676984786987

Output of network: tensor([ 0.0748, 28.5818, 0.5132, 1.7419, 0.4585, 27.5752], device='cuda:0')

Target Values: tensor([ 0.0000, 29.3997, 0.0000, 0.0000, 0.0000, 26.2824], device='cuda:0')

test loss from 2 : 22.600257873535156

Output of network: tensor([25.8418, 3.3965, 0.2966, 0.1589, 21.4329, -0.4335], device='cuda:0')

Target Values: tensor([27.4790, 5.2032, 0.0000, 0.0000, 32.8063, 0.0000], device='cuda:0')

test loss from 2 : 61.903228759765625

Output of network: tensor([ 22.7675, 0.0223, 40.6933, 1.1482, -0.3518,

23.1393], device='cuda:0')

Target Values: tensor([15.6563, 0.0000, 57.7612, 0.0000, 0.0000, 28.4400], device='cuda:0')

test loss from 2 : 11.935050964355469

Output of network: tensor([ 5.5670, 31.6148, 0.7660, 0.8601, 8.7085, 0.4358], device='cuda:0')

Target Values: tensor([ 0.0000, 35.0519, 5.1266, 0.0000, 5.7317, 0.0000], device='cuda:0')

test loss from 2 : 0.25657641887664795

Output of network: tensor([12.6075, -0.1190, 0.4586, 0.7199, 0.6608, 34.2422], device='cuda:0')

Target Values: tensor([12.0521, 0.0000, 0.0000, 0.0000, 0.0000, 34.4694], device='cuda:0')

test loss from 2 : 7.772653102874756

Output of network: tensor([ 0.8143, 4.2523, 28.3079, 6.3667, 0.0357, 0.3509], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 33.0322, 4.0326, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 29.216033935546875

Output of network: tensor([ 0.5320, 0.9997, 2.6353, 36.0282, 0.4634, 16.6552], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 39.6635, 0.0000, 29.0503], device='cuda:0')

test loss from 2 : 5.875791549682617

Output of network: tensor([27.6246, 12.1113, 1.3684, 0.4469, 11.0886, 3.8224], device='cuda:0')

Target Values: tensor([26.9886, 14.2683, 0.0000, 0.0000, 7.3772, 0.0340], device='cuda:0')

test loss from 2 : 7.459101676940918

Output of network: tensor([27.0220, 26.6568, 27.0218, 24.4413, 7.8272, 0.0447], device='cuda:0')

Target Values: tensor([26.3372, 32.6836, 27.9774, 25.7145, 10.1569, 0.0000], device='cuda:0')

test loss from 2 : 32.191192626953125

Output of network: tensor([ 4.6260, 18.6181, 2.4578, 41.1297, 17.1024, 11.6835], device='cuda:0')

Target Values: tensor([ 3.2374, 19.7170, 0.0000, 28.0078, 14.6326, 14.0680], device='cuda:0')

test loss from 2 : 5.315641403198242

Output of network: tensor([ 0.2263, 6.5075, 0.0435, 1.2938, 0.9698, 27.3622], device='cuda:0')

Target Values: tensor([ 0.0000, 10.0338, 0.0000, 0.0000, 0.0000, 31.4599], device='cuda:0')

test loss from 2 : 14.930601119995117

Output of network: tensor([30.4158, 3.8755, 19.5856, 33.8004, 1.3191, 2.6422], device='cuda:0')

Target Values: tensor([38.4614, 1.8823, 21.9842, 36.3311, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 3.6214492321014404

Output of network: tensor([-0.1998, 0.5223, 0.1619, 23.4661, 11.1276, 1.4054], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 27.8639, 10.8561, 0.0000], device='cuda:0')

test loss from 2 : 0.051177021116018295

Output of network: tensor([ 0.1225, 31.9671, 0.4438, 0.1445, 0.1105, 23.1926], device='cuda:0')

Target Values: tensor([ 0.0000, 31.8406, 0.0000, 0.0000, 0.0000, 23.4072], device='cuda:0')

test loss from 2 : 8.882991790771484

Output of network: tensor([ 0.2560, 27.3486, 4.4356, 31.6109, 0.6871, 0.1724], device='cuda:0')

Target Values: tensor([ 0.0000, 28.4831, 8.5799, 37.4648, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 0.49941468238830566

Output of network: tensor([19.1250, 0.9195, 0.8130, -0.0422, 0.5824, 1.0658], device='cuda:0')

Target Values: tensor([19.2399, 0.0000, 0.0000, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 9.328937530517578

Output of network: tensor([ 2.3013, 1.1729, 0.2847, -0.1984, 18.3819, 19.8748], device='cuda:0')

Target Values: tensor([ 4.1973, 0.0000, 0.0000, 0.0000, 21.8855, 26.0883], device='cuda:0')

test loss from 2 : 18.554527282714844

Output of network: tensor([19.0706, 0.8040, 24.4949, 23.0009, -0.2743, 4.9498], device='cuda:0')

Target Values: tensor([11.2267, 0.0000, 30.9547, 25.3226, 0.0000, 3.5497], device='cuda:0')

test loss from 2 : 3.4422545433044434

Output of network: tensor([28.3900, 12.5652, 32.1892, 15.0810, 25.1253, 0.1114], device='cuda:0')

Target Values: tensor([27.5842, 14.6599, 30.1275, 14.7520, 28.4786, 0.0000], device='cuda:0')

test loss from 2 : 23.0888671875

Output of network: tensor([33.4700, 0.1789, 0.4188, 0.3766, 24.0781, 4.5112], device='cuda:0')

Target Values: tensor([31.1707, 0.0000, 0.0000, 0.0000, 34.7049, 0.0425], device='cuda:0')

test loss from 2 : 20.087650299072266

Output of network: tensor([13.5673, 4.6696, 0.8967, 0.5819, 2.2294, 0.5932], device='cuda:0')

Target Values: tensor([11.4830, 4.2761, 0.0000, 0.0000, 12.9314, 0.0000], device='cuda:0')

test loss from 2 : 0.7979103326797485

Output of network: tensor([ 0.2825, 25.7862, 0.1459, 1.5177, 0.5748, 0.8491], device='cuda:0')

Target Values: tensor([ 0.0000, 26.9401, 0.0000, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 66.66360473632812

Output of network: tensor([ 0.6827, 14.1154, 6.5128, 32.6347, 34.0907, 0.6581], device='cuda:0')

Target Values: tensor([ 0.0000, 19.2345, 0.0000, 30.7109, 52.1672, 0.0000], device='cuda:0')

test loss from 2 : 6.875896453857422

Output of network: tensor([0.9041, 0.4696, 0.5293, 7.7425, 4.8522, 0.7892], device='cuda:0')

Target Values: tensor([0.0000, 0.0000, 0.0000, 3.1328, 9.1026, 0.0000], device='cuda:0')

test loss from 2 : 5.717820167541504

Output of network: tensor([0.2773, 0.6226, 5.2522, 8.0883, 0.5920, 0.5555], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 10.9571, 8.8868, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 12.965476036071777

Output of network: tensor([ 1.0924, 28.4827, 13.3434, 30.8852, 11.1614, 22.4339], device='cuda:0')

Target Values: tensor([ 0.0000, 29.5412, 15.3783, 35.9250, 11.7624, 29.1850], device='cuda:0')

test loss from 2 : 33.33076095581055

Output of network: tensor([14.2701, 30.1921, 34.1664, 0.2565, 1.1345, 25.7402], device='cuda:0')

Target Values: tensor([ 9.3980, 36.3498, 34.6113, 0.0000, 0.0000, 37.4355], device='cuda:0')

test loss from 2 : 26.072673797607422

Output of network: tensor([26.2914, 36.7946, -0.3915, 0.1338, 7.4380, 24.5770], device='cuda:0')

Target Values: tensor([29.8495, 26.2209, 0.0000, 0.0000, 13.0662, 24.2263], device='cuda:0')

test loss from 2 : 2.297466516494751

Output of network: tensor([ 0.9148, 23.2906, 5.3536, 3.1974, 7.2219, 30.6188], device='cuda:0')

Target Values: tensor([ 0.0000, 24.4262, 8.6645, 3.3143, 6.4898, 30.2364], device='cuda:0')

test loss from 2 : 12.566164016723633

Output of network: tensor([19.2930, 0.2634, 0.5933, 0.3263, 3.9516, -0.0912], device='cuda:0')

Target Values: tensor([27.4630, 0.0000, 0.0000, 0.0000, 1.1034, 0.0000], device='cuda:0')

test loss from 2 : 26.889549255371094

Output of network: tensor([32.2900, 17.4847, 8.5888, 0.7070, 13.2044, 0.8935], device='cuda:0')

Target Values: tensor([36.1166, 22.0922, 18.4350, 0.0000, 18.4216, 0.0000], device='cuda:0')

test loss from 2 : 14.58639144897461

Output of network: tensor([ 2.3017, 29.8047, 0.7700, 29.2127, 20.2430, -0.0616], device='cuda:0')

Target Values: tensor([ 1.8617, 37.7651, 0.0000, 33.3477, 22.7457, 0.0000], device='cuda:0')

test loss from 2 : 7.208787441253662

Output of network: tensor([ 0.7596, 23.6180, 30.2028, 0.0617, 0.4821, 0.6902], device='cuda:0')

Target Values: tensor([ 0.0000, 26.6015, 35.9527, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 11.807707786560059

Output of network: tensor([12.2430, 2.8219, 24.9439, 0.1169, 16.0738, 0.6720], device='cuda:0')

Target Values: tensor([12.6595, 5.1056, 32.2781, 0.0000, 12.7271, 0.0000], device='cuda:0')

test loss from 2 : 32.282169342041016

Output of network: tensor([26.5877, 16.1937, 24.1722, 0.9030, 38.9827, 0.4324], device='cuda:0')

Target Values: tensor([28.1824, 26.0316, 27.7471, 0.0000, 30.0059, 0.0000], device='cuda:0')

test loss from 2 : 1.2458696365356445

Output of network: tensor([11.7020, 20.4407, 30.4567, 34.4235, -0.1580, 1.0079], device='cuda:0')

Target Values: tensor([11.3782, 22.3532, 29.9593, 35.9807, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 4.900815010070801

Output of network: tensor([30.0272, 0.5325, 5.8876, 0.4297, 0.7601, 34.9491], device='cuda:0')

Target Values: tensor([33.5310, 0.0000, 7.7194, 0.0000, 0.0000, 38.5166], device='cuda:0')

test loss from 2 : 33.5579948425293

Output of network: tensor([ 0.2430, 30.1879, 22.3177, 2.1794, 29.4119, 4.0925], device='cuda:0')

Target Values: tensor([ 0.0000, 31.6175, 26.3599, 0.0000, 42.1165, 0.0000], device='cuda:0')

test loss from 2 : 4.588353157043457

Output of network: tensor([-0.4353, 9.9937, 20.8057, 0.3718, 0.1916, 4.0086], device='cuda:0')

Target Values: tensor([ 0.0000, 14.3114, 19.1099, 0.0000, 0.0000, 1.6321], device='cuda:0')

test loss from 2 : 4.811952590942383

Output of network: tensor([ 0.2647, 0.0395, 22.2825, 0.1985, 21.2168, 22.1352], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 20.3371, 0.0000, 16.2449, 22.6421], device='cuda:0')

test loss from 2 : 9.986517906188965

Output of network: tensor([ 0.2059, 28.2071, 15.9386, 0.7189, 0.2001, 5.3356], device='cuda:0')

Target Values: tensor([ 0.0000, 35.2340, 15.4978, 0.0000, 0.0000, 2.2135], device='cuda:0')

test loss from 2 : 0.911013126373291

Output of network: tensor([ 0.4723, 0.3299, 1.9620, 16.4131, 0.7359, 17.9227], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 17.2739, 0.0000, 17.8763], device='cuda:0')

test loss from 2 : 11.000509262084961

Output of network: tensor([12.5742, 0.3542], device='cuda:0')

Target Values: tensor([17.2513, 0.0000], device='cuda:0')

Test Loss (mean squared error): 2.151836

Time: 15.59427261352539

Targets: [0.0, 0.0, 20.433076858520508, 0.0, 26.420297622680664, 0.0, 0.0, 0.0, 0.0, 9.324691772460938, 33.312896728515625, 0.0, 13.617101669311523, 0.0, 24.664823532104492, 24.703956604003906, 0.0, 30.04464340209961, 18.421825408935547, 0.0, 0.0, 0.0, 20.578359603881836, 0.0, 0.0, 14.958883285522461, 0.0, 25.747482299804688, 0.0, 0.0, 0.0, 0.0, 41.21474075317383, 23.557905197143555, 36.12807083129883, 10.444283485412598, 0.0, 27.983745574951172, 14.662251472473145, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 27.55259132385254, 37.220115661621094, 5.64695930480957, 0.0, 11.85200309753418, 0.0, 0.0, 9.992938995361328, 0.0, 0.0, 0.0, 0.0, 0.0, 29.968626022338867, 0.0, 34.08707809448242, 15.575048446655273, 24.851701736450195, 24.231229782104492, 0.0, 34.69178771972656, 0.0, 36.39987564086914, 7.49100399017334, 19.04116439819336, 20.8671875, 28.783998489379883, 0.0, 23.945100784301758, 0.0, 0.0, 26.957962036132812, 0.0, 0.0, 33.922542572021484, 10.355305671691895, 0.0, 32.54476547241211, 18.532703399658203, 0.0, 0.0, 0.0, 8.218140602111816, 18.433748245239258, 35.22572326660156, 0.0, 0.0, 30.368364334106445, 27.346879959106445, 22.068294525146484, 44.359413146972656, 0.0, 0.0, 20.421226501464844, 36.0725212097168, 22.94159698486328, 11.526223182678223, 0.0, 0.0, 0.0, 0.0, 0.0, 27.475238800048828, 17.073017120361328, 32.06257629394531, 0.0, 23.265012741088867, 25.470840454101562, 23.02043342590332, 0.0, 7.452690601348877, 0.0, 0.0, 0.0, 0.0, 29.380779266357422, 0.0, 39.550453186035156, 24.73577880859375, 9.96597671508789, 32.44783020019531, 0.0, 0.0, 51.57553482055664, 0.0, 19.672927856445312, 0.0, 0.0, 34.538002014160156, 0.0, 1.7708197832107544, 0.0, 0.0, 0.0, 11.296401977539062, 0.0, 22.252473831176758, 0.0, 26.744693756103516, 26.699928283691406, 3.2809548377990723, 0.0, 14.51315975189209, 14.852364540100098, 14.871465682983398, 0.0, 0.0, 21.46576690673828, 0.0, 27.861534118652344, 0.0, 12.002202033996582, 0.0, 0.0, 0.0, 10.218376159667969, 26.883955001831055, 26.05855369567871, 22.233715057373047, 27.433868408203125, 0.0, 15.030014038085938, 0.0, 18.00406265258789, 0.0, 35.71309280395508, 26.74727439880371, 23.66507911682129, 0.0, 13.73018741607666, 0.0, 0.0, 50.779788970947266, 31.229516983032227, 29.210369110107422, 0.0, 10.580179214477539, 34.27040481567383, 0.0, 10.721193313598633, 5.100802898406982, 21.82328224182129, 15.671492576599121, 0.0, 0.0, 0.0, 0.0, 26.47997283935547, 0.0, 37.19942092895508, 0.0, 0.0, 0.0, 0.0, 19.787429809570312, 24.340864181518555, 0.0, 0.0, 27.349185943603516, 0.0, 41.35223388671875, 0.0, 0.0, 0.0, 18.93233299255371, 0.0, 0.0, 24.75214958190918, 25.4577579498291, 0.0, 12.11414623260498, 0.0, 29.39972686767578, 0.0, 0.0, 0.0, 26.28244972229004, 27.47896957397461, 5.203174114227295, 0.0, 0.0, 32.806331634521484, 0.0, 15.656270027160645, 0.0, 57.76115036010742, 0.0, 0.0, 28.43997573852539, 0.0, 35.05191421508789, 5.126612663269043, 0.0, 5.7316575050354, 0.0, 12.05208969116211, 0.0, 0.0, 0.0, 0.0, 34.46944808959961, 0.0, 0.0, 33.03215789794922, 4.032648086547852, 0.0, 0.0, 0.0, 0.0, 0.0, 39.663536071777344, 0.0, 29.050344467163086, 26.988609313964844, 14.268341064453125, 0.0, 0.0, 7.3772430419921875, 0.03402882069349289, 26.337244033813477, 32.68358612060547, 27.97744369506836, 25.714542388916016, 10.156852722167969, 0.0, 3.2373995780944824, 19.717041015625, 0.0, 28.00779151916504, 14.63259506225586, 14.067986488342285, 0.0, 10.033805847167969, 0.0, 0.0, 0.0, 31.45989418029785, 38.461387634277344, 1.882319688796997, 21.984235763549805, 36.331138610839844, 0.0, 0.0, 0.0, 0.0, 0.0, 27.863880157470703, 10.856087684631348, 0.0, 0.0, 31.84062957763672, 0.0, 0.0, 0.0, 23.40716552734375, 0.0, 28.483070373535156, 8.579916000366211, 37.46480941772461, 0.0, 0.0, 19.23994255065918, 0.0, 0.0, 0.0, 0.0, 0.0, 4.197287082672119, 0.0, 0.0, 0.0, 21.885530471801758, 26.088258743286133, 11.226749420166016, 0.0, 30.9547176361084, 25.322595596313477, 0.0, 3.5497188568115234, 27.584150314331055, 14.659934043884277, 30.127471923828125, 14.752030372619629, 28.47861671447754, 0.0, 31.170692443847656, 0.0, 0.0, 0.0, 34.704864501953125, 0.04253602772951126, 11.482975959777832, 4.2761125564575195, 0.0, 0.0, 12.931370735168457, 0.0, 0.0, 26.940095901489258, 0.0, 0.0, 0.0, 0.0, 0.0, 19.23453712463379, 0.0, 30.710927963256836, 52.16718292236328, 0.0, 0.0, 0.0, 0.0, 3.1328117847442627, 9.102553367614746, 0.0, 0.0, 0.0, 10.957056045532227, 8.886835098266602, 0.0, 0.0, 0.0, 29.541162490844727, 15.378267288208008, 35.92500305175781, 11.762369155883789, 29.18497085571289, 9.397988319396973, 36.34981918334961, 34.6113166809082, 0.0, 0.0, 37.43548583984375, 29.84954261779785, 26.22085189819336, 0.0, 0.0, 13.066213607788086, 24.2263240814209, 0.0, 24.426233291625977, 8.664543151855469, 3.3143393993377686, 6.489750862121582, 30.23639678955078, 27.46298599243164, 0.0, 0.0, 0.0, 1.103385329246521, 0.0, 36.11659240722656, 22.09220314025879, 18.43501853942871, 0.0, 18.42159080505371, 0.0, 1.8617104291915894, 37.765052795410156, 0.0, 33.34765625, 22.745708465576172, 0.0, 0.0, 26.601497650146484, 35.95271301269531, 0.0, 0.0, 0.0, 12.659549713134766, 5.1056389808654785, 32.278133392333984, 0.0, 12.727105140686035, 0.0, 28.182443618774414, 26.031564712524414, 27.74708366394043, 0.0, 30.005863189697266, 0.0, 11.378191947937012, 22.3531551361084, 29.959339141845703, 35.98065948486328, 0.0, 0.0, 33.530967712402344, 0.0, 7.719386100769043, 0.0, 0.0, 38.516624450683594, 0.0, 31.617488861083984, 26.359899520874023, 0.0, 42.11654281616211, 0.0, 0.0, 14.31139087677002, 19.109922409057617, 0.0, 0.0, 1.6321457624435425, 0.0, 0.0, 20.337148666381836, 0.0, 16.24492073059082, 22.64211654663086, 0.0, 35.234031677246094, 15.49776840209961, 0.0, 0.0, 2.21352481842041, 0.0, 0.0, 0.0, 17.27391815185547, 0.0, 17.876317977905273, 17.25129508972168, 0.0]

Outputs [1.1479288339614868, 0.7396547198295593, 20.512218475341797, 1.6853084564208984, 22.848167419433594, 0.434913694858551, 0.06293535232543945, 0.1637939214706421, 1.1681448221206665, 7.256326198577881, 31.06850814819336, 0.5278210639953613, 14.81407356262207, 0.4712764024734497, 23.69978141784668, 26.64803123474121, 0.17660748958587646, 26.120515823364258, 16.71284294128418, -0.1209033727645874, -0.1346569061279297, 0.33408379554748535, 21.218461990356445, 0.8349136114120483, 2.99352765083313, 14.546952247619629, 0.5253769159317017, 25.99823760986328, 0.7359932065010071, 1.0201056003570557, -0.12559938430786133, 0.6126081347465515, 35.83498001098633, 24.28254508972168, 28.505346298217773, 4.5518975257873535, 0.6384720802307129, 23.348188400268555, 16.037221908569336, 0.8904922008514404, 0.2822599411010742, 1.7209587097167969, 0.7076090574264526, 0.09095919132232666, 0.3125030994415283, 28.860986709594727, 32.883853912353516, 6.084434509277344, 0.8546585440635681, 11.429924011230469, 0.3503682613372803, 0.9115791320800781, 6.390651226043701, 0.3579968214035034, 0.6166573166847229, 0.21214711666107178, 0.6931508779525757, -0.10891985893249512, 27.559858322143555, 0.8375161290168762, 32.77640914916992, 17.87369155883789, 26.299409866333008, 23.22679901123047, 0.8329318761825562, 35.6872673034668, 6.766292572021484, 31.208959579467773, 9.73166561126709, 17.45446014404297, 22.130992889404297, 26.6390438079834, 1.741642713546753, 25.12889862060547, 0.38262999057769775, 0.6123549938201904, 19.49441909790039, 0.20961713790893555, 7.163958549499512, 29.892427444458008, 1.407389760017395, 0.520542562007904, 25.493379592895508, 20.29966163635254, 0.47093886137008667, 0.028578639030456543, 0.1933971643447876, 7.379427909851074, 19.086009979248047, 34.34234619140625, 1.7941373586654663, 0.42753636837005615, 31.83041763305664, 17.436843872070312, 27.151296615600586, 39.800506591796875, 0.866445779800415, 0.860146701335907, 23.174863815307617, 26.470623016357422, 21.81937599182129, 19.741302490234375, 0.39464855194091797, 0.2217642068862915, 0.43942487239837646, 2.991295337677002, 0.014127492904663086, 27.140893936157227, 15.173450469970703, 27.2374324798584, 0.8197991251945496, 11.100179672241211, 26.803739547729492, 16.117279052734375, 0.0984342098236084, 6.528594017028809, 0.7884726524353027, 0.5221312642097473, 0.8868750929832458, 0.14003431797027588, 24.034208297729492, -0.033623576164245605, 34.63430404663086, 23.377058029174805, 9.956361770629883, 34.1400260925293, 0.7871145009994507, 0.6082800030708313, 43.67043685913086, 1.426609754562378, 20.05643081665039, 0.9385136365890503, 4.4639973640441895, 30.492149353027344, 0.4196646213531494, 3.356998920440674, 0.7263302803039551, 0.5753659009933472, 0.734420120716095, 11.380340576171875, 0.4223606586456299, 21.85479164123535, -0.22093117237091064, 22.930641174316406, 23.670019149780273, 6.142587661743164, 0.7776597738265991, 17.23100471496582, 23.844106674194336, 16.004497528076172, 0.8093124628067017, 0.5360245704650879, 23.035093307495117, -0.04790675640106201, 24.007671356201172, 0.5109166502952576, 5.438949108123779, 0.8960850238800049, 0.4817030429840088, -0.06605851650238037, 9.065079689025879, 29.671857833862305, 21.679611206054688, 17.09541893005371, 23.917470932006836, 0.39207565784454346, 3.9415721893310547, 0.6800574064254761, 17.8966121673584, 0.11522269248962402, 26.819143295288086, 28.39444923400879, 20.411787033081055, 0.702866792678833, 11.855281829833984, 0.1588822603225708, 2.3797991275787354, 32.10041046142578, 30.90747833251953, 26.19470977783203, 0.9242497086524963, 12.912775993347168, 34.08485412597656, 0.4343760013580322, 6.508383274078369, 5.502808570861816, 21.677127838134766, 15.490464210510254, 0.3777346611022949, -0.03007984161376953, 1.151842713356018, 0.3247509002685547, 27.73866081237793, 0.061971068382263184, 37.526451110839844, 0.7363074421882629, 0.21886122226715088, 0.873860776424408, 4.299684524536133, 17.434816360473633, 24.606185913085938, 0.6115091443061829, 0.2749485969543457, 21.523052215576172, -0.05390942096710205, 38.303810119628906, 1.2812446355819702, 1.3029330968856812, 0.0583643913269043, 18.532745361328125, 6.2001824378967285, 0.33379173278808594, 21.45763397216797, 30.193222045898438, 0.2200911045074463, 10.588031768798828, 0.07475972175598145, 28.58180809020996, 0.5131725072860718, 1.7418675422668457, 0.458471417427063, 27.575191497802734, 25.84177017211914, 3.396493434906006, 0.29657745361328125, 0.15888118743896484, 21.432859420776367, -0.433549165725708, 22.767486572265625, 0.022342324256896973, 40.69334030151367, 1.1481963396072388, -0.35178589820861816, 23.13929557800293, 5.56697416305542, 31.614824295043945, 0.7660484313964844, 0.8600690364837646, 8.708459854125977, 0.43579959869384766, 12.60746955871582, -0.11903107166290283, 0.4585877060890198, 0.7198996543884277, 0.6608014106750488, 34.24223327636719, 0.8142627477645874, 4.252305507659912, 28.30788230895996, 6.366666316986084, 0.035668134689331055, 0.3508549928665161, 0.532008945941925, 0.9996928572654724, 2.6352906227111816, 36.028221130371094, 0.46338433027267456, 16.65523338317871, 27.62464141845703, 12.11132526397705, 1.3683528900146484, 0.44689810276031494, 11.088558197021484, 3.8223695755004883, 27.021976470947266, 26.656803131103516, 27.021760940551758, 24.441259384155273, 7.827247142791748, 0.044661641120910645, 4.6259918212890625, 18.618066787719727, 2.457775354385376, 41.12971115112305, 17.102447509765625, 11.68353271484375, 0.22626197338104248, 6.507469654083252, 0.04354298114776611, 1.2937959432601929, 0.9698086977005005, 27.362178802490234, 30.415807723999023, 3.8754653930664062, 19.585561752319336, 33.80037307739258, 1.319075584411621, 2.642204999923706, -0.19983673095703125, 0.5222797393798828, 0.16190850734710693, 23.466062545776367, 11.127625465393066, 1.4054311513900757, 0.12248241901397705, 31.967052459716797, 0.4438219666481018, 0.14445960521697998, 0.11050927639007568, 23.192646026611328, 0.2560262680053711, 27.348604202270508, 4.435609817504883, 31.610898971557617, 0.6871199011802673, 0.1723628044128418, 19.125001907348633, 0.9194940328598022, 0.8130396008491516, -0.04215407371520996, 0.5823749899864197, 1.0657563209533691, 2.3012914657592773, 1.1728869676589966, 0.2846871614456177, -0.19837069511413574, 18.38186264038086, 19.874799728393555, 19.070608139038086, 0.8040169477462769, 24.49494743347168, 23.000877380371094, -0.27428317070007324, 4.949848651885986, 28.390039443969727, 12.565181732177734, 32.18923568725586, 15.081048011779785, 25.12532615661621, 0.11137044429779053, 33.470001220703125, 0.1789252758026123, 0.4187873601913452, 0.3766331672668457, 24.078096389770508, 4.511197566986084, 13.567262649536133, 4.669591426849365, 0.8967376351356506, 0.5819312334060669, 2.229400396347046, 0.5931832194328308, 0.282474160194397, 25.786151885986328, 0.14591538906097412, 1.517680048942566, 0.5748029947280884, 0.8491411209106445, 0.6827491521835327, 14.115397453308105, 6.512792587280273, 32.63472366333008, 34.0906982421875, 0.6581056714057922, 0.9041426181793213, 0.4695636034011841, 0.5293311476707458, 7.742480278015137, 4.852210521697998, 0.7891513705253601, 0.27734172344207764, 0.6225879788398743, 5.252170085906982, 8.088302612304688, 0.5920142531394958, 0.5554518699645996, 1.0923960208892822, 28.482707977294922, 13.343400955200195, 30.885164260864258, 11.16144847869873, 22.43386459350586, 14.270050048828125, 30.192113876342773, 34.1663818359375, 0.2565068006515503, 1.1345123052597046, 25.740215301513672, 26.29138946533203, 36.794612884521484, -0.39154553413391113, 0.1337963342666626, 7.437981128692627, 24.576980590820312, 0.9148105382919312, 23.290647506713867, 5.353599548339844, 3.1973915100097656, 7.221949577331543, 30.618791580200195, 19.293020248413086, 0.26339471340179443, 0.5933215618133545, 0.326279878616333, 3.9516263008117676, -0.09115540981292725, 32.2900276184082, 17.484722137451172, 8.588796615600586, 0.7069754600524902, 13.204358100891113, 0.8935260772705078, 2.3017075061798096, 29.804718017578125, 0.7699586749076843, 29.212711334228516, 20.243024826049805, -0.061577558517456055, 0.7595683336257935, 23.618000030517578, 30.2027587890625, 0.06166112422943115, 0.4820886254310608, 0.6901705265045166, 12.242959022521973, 2.8218631744384766, 24.943889617919922, 0.11687123775482178, 16.0738468170166, 0.6720098257064819, 26.587696075439453, 16.19365692138672, 24.172178268432617, 0.9029940366744995, 38.982669830322266, 0.43236327171325684, 11.702006340026855, 20.440702438354492, 30.4566650390625, 34.42353820800781, -0.15804815292358398, 1.0079424381256104, 30.02722930908203, 0.5325108766555786, 5.887642860412598, 0.42971348762512207, 0.7600674629211426, 34.94906234741211, 0.2430058717727661, 30.187923431396484, 22.31774139404297, 2.179446220397949, 29.411911010742188, 4.09250020980835, -0.4352988004684448, 9.993707656860352, 20.805662155151367, 0.37180376052856445, 0.19160330295562744, 4.008647441864014, 0.2646512985229492, 0.03954517841339111, 22.28253936767578, 0.19852685928344727, 21.21675682067871, 22.13516616821289, 0.20589029788970947, 28.207054138183594, 15.938566207885742, 0.7188528776168823, 0.20009183883666992, 5.335577011108398, 0.4722743034362793, 0.3298797607421875, 1.961990475654602, 16.41307830810547, 0.7359424829483032, 17.92270278930664, 12.574164390563965, 0.3542141914367676]

# August

Epoch #: 1

Epoch: 1 Training Loss: 85.552532 Validation Loss: 86.271787

Validation loss decreased (inf --> 86.271787). Saving model ...

Time: 130.4873330593109

Current Time = 16:05:15

LR: 0.001

Epoch #: 2

Epoch: 2 Training Loss: 76.003567 Validation Loss: 107.828859

Time: 124.70421981811523

Current Time = 16:07:20

LR: 0.001

Epoch #: 3

Epoch: 3 Training Loss: 66.495206 Validation Loss: 66.238978

Validation loss decreased (86.271787 --> 66.238978). Saving model ...

Time: 130.63388514518738

Current Time = 16:09:31

LR: 0.001

Epoch #: 4

Epoch: 4 Training Loss: 62.257725 Validation Loss: 85.052662

Time: 130.04911184310913

Current Time = 16:11:41

LR: 0.001

Epoch #: 5

Epoch: 5 Training Loss: 61.055841 Validation Loss: 65.817828

Validation loss decreased (66.238978 --> 65.817828). Saving model ...

Time: 119.60487771034241

Current Time = 16:13:41

LR: 0.001

Epoch #: 6

Epoch: 6 Training Loss: 55.898020 Validation Loss: 58.106100

Validation loss decreased (65.817828 --> 58.106100). Saving model ...

Time: 97.5132646560669

Current Time = 16:15:18

LR: 0.001

Epoch #: 7

Epoch: 7 Training Loss: 54.627877 Validation Loss: 55.917989

Validation loss decreased (58.106100 --> 55.917989). Saving model ...

Time: 96.96422076225281

Current Time = 16:16:55

LR: 0.001

Epoch #: 8

Epoch: 8 Training Loss: 50.847528 Validation Loss: 53.861767

Validation loss decreased (55.917989 --> 53.861767). Saving model ...

Time: 96.87147998809814

Current Time = 16:18:32

LR: 0.001

Epoch #: 9

Epoch: 9 Training Loss: 47.081842 Validation Loss: 50.434326

Validation loss decreased (53.861767 --> 50.434326). Saving model ...

Time: 97.11731791496277

Current Time = 16:20:09

LR: 0.001

Epoch #: 10

Epoch: 10 Training Loss: 46.509719 Validation Loss: 49.737437

Validation loss decreased (50.434326 --> 49.737437). Saving model ...

Time: 96.81762528419495

Current Time = 16:21:46

LR: 0.001

Epoch #: 11

Epoch: 11 Training Loss: 45.874431 Validation Loss: 54.377975

Time: 97.06581687927246

Current Time = 16:23:23

LR: 0.001

Epoch #: 12

Epoch: 12 Training Loss: 46.837024 Validation Loss: 46.474939

Validation loss decreased (49.737437 --> 46.474939). Saving model ...

Time: 96.76326394081116

Current Time = 16:25:00

LR: 0.001

Epoch #: 13

Epoch: 13 Training Loss: 43.455586 Validation Loss: 45.012380

Validation loss decreased (46.474939 --> 45.012380). Saving model ...

Time: 96.71193218231201

Current Time = 16:26:36

LR: 0.001

Epoch #: 14

Epoch: 14 Training Loss: 43.240012 Validation Loss: 49.519255

Time: 96.74730634689331

Current Time = 16:28:13

LR: 0.001

Epoch #: 15

Epoch: 15 Training Loss: 43.848117 Validation Loss: 44.725802

Validation loss decreased (45.012380 --> 44.725802). Saving model ...

Time: 96.66802477836609

Current Time = 16:29:50

LR: 0.001

Epoch #: 16

Epoch: 16 Training Loss: 41.986391 Validation Loss: 45.898969

Time: 96.69843792915344

Current Time = 16:31:27

LR: 0.001

Epoch #: 17

Epoch: 17 Training Loss: 41.962936 Validation Loss: 48.506264

Time: 97.05050849914551

Current Time = 16:33:04

LR: 0.001

Epoch #: 18

Epoch: 18 Training Loss: 40.809696 Validation Loss: 42.412203

Validation loss decreased (44.725802 --> 42.412203). Saving model ...

Time: 97.08092164993286

Current Time = 16:34:41

LR: 0.001

Epoch #: 19

Epoch: 19 Training Loss: 39.500452 Validation Loss: 46.053472

Time: 97.64742755889893

Current Time = 16:36:18

LR: 0.001

Epoch #: 20

Epoch: 20 Training Loss: 38.642839 Validation Loss: 44.244777

Time: 96.90738606452942

Current Time = 16:37:55

LR: 0.001

Epoch #: 21

Epoch: 21 Training Loss: 38.467454 Validation Loss: 43.491364

Time: 96.5727870464325

Current Time = 16:39:32

LR: 0.001

Epoch #: 22

Epoch: 22 Training Loss: 38.550699 Validation Loss: 41.848660

Validation loss decreased (42.412203 --> 41.848660). Saving model ...

Time: 96.89441990852356

Current Time = 16:41:09

LR: 0.001

Epoch #: 23

Epoch: 23 Training Loss: 37.995809 Validation Loss: 38.664211

Validation loss decreased (41.848660 --> 38.664211). Saving model ...

Time: 97.19165086746216

Current Time = 16:42:46

LR: 0.001

Epoch #: 24

Epoch: 24 Training Loss: 36.598760 Validation Loss: 38.849892

Time: 96.87996220588684

Current Time = 16:44:23

LR: 0.001

Epoch #: 25

Epoch: 25 Training Loss: 37.665950 Validation Loss: 42.123031

Time: 96.33990430831909

Current Time = 16:45:59

LR: 0.001

Epoch #: 26

Epoch: 26 Training Loss: 36.023271 Validation Loss: 42.549868

Time: 96.76527190208435

Current Time = 16:47:36

LR: 0.001

Epoch #: 27

Epoch: 27 Training Loss: 35.205074 Validation Loss: 39.247860

Time: 107.33091378211975

Current Time = 16:49:23

LR: 0.001

Epoch #: 28

Epoch: 28 Training Loss: 34.134448 Validation Loss: 39.596905

Time: 105.84473061561584

Current Time = 16:51:09

LR: 0.001

Epoch #: 29

Epoch: 29 Training Loss: 32.622034 Validation Loss: 37.246316

Validation loss decreased (38.664211 --> 37.246316). Saving model ...

Time: 104.94696235656738

Current Time = 16:52:54

LR: 0.001

Epoch #: 30

Epoch: 30 Training Loss: 32.572993 Validation Loss: 37.178025

Validation loss decreased (37.246316 --> 37.178025). Saving model ...

Time: 103.83797192573547

Current Time = 16:54:38

LR: 0.001

Epoch #: 31

Epoch: 31 Training Loss: 32.402204 Validation Loss: 36.524220

Validation loss decreased (37.178025 --> 36.524220). Saving model ...

Time: 102.88191270828247

Current Time = 16:56:21

LR: 0.001

Epoch #: 32

Epoch: 32 Training Loss: 33.459712 Validation Loss: 35.135780

Validation loss decreased (36.524220 --> 35.135780). Saving model ...

Time: 104.25958633422852

Current Time = 16:58:05

LR: 0.001

Epoch #: 33

Epoch: 33 Training Loss: 32.105168 Validation Loss: 40.463829

Time: 107.85610270500183

Current Time = 16:59:53

LR: 0.001

Epoch #: 34

Epoch: 34 Training Loss: 31.426276 Validation Loss: 39.301015

Time: 107.67299365997314

Current Time = 17:01:41

LR: 0.001

Epoch #: 35

Epoch: 35 Training Loss: 30.966593 Validation Loss: 34.128228

Validation loss decreased (35.135780 --> 34.128228). Saving model ...

Time: 106.60363912582397

Current Time = 17:03:27

LR: 0.001

Epoch #: 36

Epoch: 36 Training Loss: 31.022529 Validation Loss: 37.127469

Time: 103.66446924209595

Current Time = 17:05:11

LR: 0.001

Epoch #: 37

Epoch: 37 Training Loss: 29.030437 Validation Loss: 35.435372

Time: 103.16208243370056

Current Time = 17:06:54

LR: 0.001

Epoch #: 38

Epoch: 38 Training Loss: 28.583340 Validation Loss: 31.502073

Validation loss decreased (34.128228 --> 31.502073). Saving model ...

Time: 106.5703067779541

Current Time = 17:08:41

LR: 0.001

Epoch #: 39

Epoch: 39 Training Loss: 29.260644 Validation Loss: 30.751888

Validation loss decreased (31.502073 --> 30.751888). Saving model ...

Time: 105.0927186012268

Current Time = 17:10:26

LR: 0.001

Epoch #: 40

Epoch: 40 Training Loss: 28.998598 Validation Loss: 36.537625

Time: 105.49707746505737

Current Time = 17:12:11

LR: 0.001

Epoch #: 41

Epoch: 41 Training Loss: 27.941996 Validation Loss: 29.340648

Validation loss decreased (30.751888 --> 29.340648). Saving model ...

Time: 105.48429203033447

Current Time = 17:13:57

LR: 0.0009699999999999999

Epoch #: 42

Epoch: 42 Training Loss: 27.490391 Validation Loss: 32.487770

Time: 106.6609697341919

Current Time = 17:15:43

LR: 0.0009408999999999999

Epoch #: 43

Epoch: 43 Training Loss: 26.006310 Validation Loss: 32.896361

Time: 106.36899423599243

Current Time = 17:17:30

LR: 0.0009126729999999999

Epoch #: 44

Epoch: 44 Training Loss: 26.303392 Validation Loss: 35.752944

Time: 107.98778080940247

Current Time = 17:19:18

LR: 0.0008852928099999999

Epoch #: 45

Epoch: 45 Training Loss: 25.179699 Validation Loss: 29.161203

Validation loss decreased (29.340648 --> 29.161203). Saving model ...

Time: 111.71473097801208

Current Time = 17:21:10

LR: 0.0008587340256999998

Epoch #: 46

Epoch: 46 Training Loss: 24.986895 Validation Loss: 29.305850

Time: 125.50763440132141

Current Time = 17:23:15

LR: 0.0008329720049289999

Epoch #: 47

Epoch: 47 Training Loss: 23.080294 Validation Loss: 26.721261

Validation loss decreased (29.161203 --> 26.721261). Saving model ...

Time: 123.82171940803528

Current Time = 17:25:19

LR: 0.0008079828447811299

Epoch #: 48

Epoch: 48 Training Loss: 24.443174 Validation Loss: 25.972061

Validation loss decreased (26.721261 --> 25.972061). Saving model ...

Time: 121.3769142627716

Current Time = 17:27:20

LR: 0.0007837433594376959

Epoch #: 49

Epoch: 49 Training Loss: 24.244908 Validation Loss: 26.257593

Time: 119.9418728351593

Current Time = 17:29:20

LR: 0.000760231058654565

Epoch #: 50

Epoch: 50 Training Loss: 22.876533 Validation Loss: 28.169599

Time: 120.84810137748718

Current Time = 17:31:21

LR: 0.000737424126894928

Epoch #: 51

Epoch: 51 Training Loss: 21.848815 Validation Loss: 30.021453

Time: 120.52607417106628

Current Time = 17:33:22

LR: 0.0007153014030880802

Epoch #: 52

Epoch: 52 Training Loss: 22.669707 Validation Loss: 28.061972

Time: 124.44219279289246

Current Time = 17:35:26

LR: 0.0006938423609954377

Epoch #: 53

Epoch: 53 Training Loss: 21.699057 Validation Loss: 25.770341

Validation loss decreased (25.972061 --> 25.770341). Saving model ...

Time: 113.7320773601532

Current Time = 17:37:20

LR: 0.0006730270901655745

Epoch #: 54

Epoch: 54 Training Loss: 21.177394 Validation Loss: 25.275606

Validation loss decreased (25.770341 --> 25.275606). Saving model ...

Time: 105.29877591133118

Current Time = 17:39:05

LR: 0.0006528362774606073

Epoch #: 55

Epoch: 55 Training Loss: 21.694219 Validation Loss: 24.869416

Validation loss decreased (25.275606 --> 24.869416). Saving model ...

Time: 114.26213359832764

Current Time = 17:40:59

LR: 0.0006332511891367891

Epoch #: 56

Epoch: 56 Training Loss: 19.703279 Validation Loss: 23.554317

Validation loss decreased (24.869416 --> 23.554317). Saving model ...

Time: 105.70732522010803

Current Time = 17:42:45

LR: 0.0006142536534626854

Epoch #: 57

Epoch: 57 Training Loss: 20.052886 Validation Loss: 25.094672

Time: 103.04345846176147

Current Time = 17:44:28

LR: 0.0005958260438588048

Epoch #: 58

Epoch: 58 Training Loss: 20.083863 Validation Loss: 22.887556

Validation loss decreased (23.554317 --> 22.887556). Saving model ...

Time: 102.88587927818298

Current Time = 17:46:11

LR: 0.0005779512625430406

Epoch #: 59

Epoch: 59 Training Loss: 19.723723 Validation Loss: 25.011831

Time: 102.78016233444214

Current Time = 17:47:54

LR: 0.0005606127246667494

Epoch #: 60

Epoch: 60 Training Loss: 18.691744 Validation Loss: 30.246209

Time: 103.21304488182068

Current Time = 17:49:37

LR: 0.0005437943429267469

Epoch #: 61

Epoch: 61 Training Loss: 18.777473 Validation Loss: 21.713692

Validation loss decreased (22.887556 --> 21.713692). Saving model ...

Time: 102.88689541816711

Current Time = 17:51:20

LR: 0.0005274805126389445

Epoch #: 62

Epoch: 62 Training Loss: 19.363454 Validation Loss: 22.654367

Time: 103.02951574325562

Current Time = 17:53:03

LR: 0.0005116560972597762

Epoch #: 63

Epoch: 63 Training Loss: 18.260551 Validation Loss: 23.952008

Time: 103.99990105628967

Current Time = 17:54:47

LR: 0.0004963064143419829

Epoch #: 64

Epoch: 64 Training Loss: 19.019160 Validation Loss: 23.577485

Time: 102.92678904533386

Current Time = 17:56:30

LR: 0.00048141722191172336

Epoch #: 65

Epoch: 65 Training Loss: 17.931045 Validation Loss: 21.148734

Validation loss decreased (21.713692 --> 21.148734). Saving model ...

Time: 103.29779720306396

Current Time = 17:58:13

LR: 0.00046697470525437166

Epoch #: 66

Epoch: 66 Training Loss: 17.417448 Validation Loss: 23.714304

Time: 102.76024127006531

Current Time = 17:59:56

LR: 0.0004529654640967405

Epoch #: 67

Epoch: 67 Training Loss: 17.462827 Validation Loss: 23.454789

Time: 102.84501528739929

Current Time = 18:01:39

LR: 0.0004393765001738382

Epoch #: 68

Epoch: 68 Training Loss: 17.410591 Validation Loss: 20.565068

Validation loss decreased (21.148734 --> 20.565068). Saving model ...

Time: 102.81607985496521

Current Time = 18:03:22

LR: 0.00042619520516862307

Epoch #: 69

Epoch: 69 Training Loss: 16.580283 Validation Loss: 23.721787

Time: 103.00358128547668

Current Time = 18:05:05

LR: 0.00041340934901356436

Epoch #: 70

Epoch: 70 Training Loss: 17.181573 Validation Loss: 20.206552

Validation loss decreased (20.565068 --> 20.206552). Saving model ...

Time: 102.83053469657898

Current Time = 18:06:48

LR: 0.0004010070685431574

Epoch #: 71

Epoch: 71 Training Loss: 16.529577 Validation Loss: 22.601842

Time: 102.96618866920471

Current Time = 18:08:31

LR: 0.0003889768564868627

Epoch #: 72

Epoch: 72 Training Loss: 16.348419 Validation Loss: 21.014204

Time: 102.83204102516174

Current Time = 18:10:13

LR: 0.0003773075507922568

Epoch #: 73

Epoch: 73 Training Loss: 16.167405 Validation Loss: 19.814663

Validation loss decreased (20.206552 --> 19.814663). Saving model ...

Time: 102.85298776626587

Current Time = 18:11:56

LR: 0.0003659883242684891

Epoch #: 74

Epoch: 74 Training Loss: 15.666676 Validation Loss: 19.967660

Time: 102.94325399398804

Current Time = 18:13:39

LR: 0.00035500867454043444

Epoch #: 75

Epoch: 75 Training Loss: 15.579860 Validation Loss: 20.044121

Time: 102.91936302185059

Current Time = 18:15:22

LR: 0.0003443584143042214

Epoch #: 76

Epoch: 76 Training Loss: 15.531748 Validation Loss: 22.083537

Time: 100.44200539588928

Current Time = 18:17:03

LR: 0.00033402766187509475

Epoch #: 77

Epoch: 77 Training Loss: 15.426034 Validation Loss: 19.996608

Time: 98.65768432617188

Current Time = 18:18:41

LR: 0.0003240068320188419

Epoch #: 78

Epoch: 78 Training Loss: 15.971106 Validation Loss: 20.013778

Time: 98.72053670883179

Current Time = 18:20:20

LR: 0.00031428662705827666

Epoch #: 79

Epoch: 79 Training Loss: 14.904263 Validation Loss: 19.925065

Time: 98.57243132591248

Current Time = 18:21:59

LR: 0.00030485802824652835

Epoch #: 80

Epoch: 80 Training Loss: 15.245038 Validation Loss: 20.339597

Time: 98.75943326950073

Current Time = 18:23:37

LR: 0.0002957122873991325

Operation Complete

[85.55253228903592, 76.00356657145987, 66.4952057229349, 62.25772472218341, 61.055840678747145, 55.8980199811518, 54.6278767713617, 50.84752795755669, 47.08184176922361, 46.50971859196284, 45.874430885294274, 46.83702424003915, 43.455586390014844, 43.24001176631076, 43.84811729987032, 41.98639103340818, 41.96293562902531, 40.80969550214377, 39.50045197110781, 38.642839488848836, 38.46745364224278, 38.55069947449383, 37.99580856495792, 36.59875950084864, 37.665949509952334, 36.023271212727636, 35.205073547356825, 34.1344478827773, 32.62203389154354, 32.572992685427515, 32.40220356116703, 33.45971191833492, 32.10516820517031, 31.426275909269876, 30.96659275330805, 31.02252912263054, 29.030437374812422, 28.58333973843253, 29.260644159234356, 28.998597740222934, 27.941996387128324, 27.49039148612761, 26.006310243002126, 26.303392442437705, 25.179698595504718, 24.986895194032986, 23.080293854034604, 24.443173515447945, 24.244908094406128, 22.876532918841196, 21.84881492503157, 22.669707130765865, 21.699056519588954, 21.177393597164237, 21.694218558389473, 19.703278925023643, 20.052886234009122, 20.083862983715495, 19.7237231722374, 18.691743945636315, 18.777473075289123, 19.363453697990362, 18.260551112573815, 19.01915963835215, 17.931044615296603, 17.417447556782907, 17.462827374720753, 17.41059135712627, 16.58028297014898, 17.181572751776756, 16.529576666499786, 16.348419132399275, 16.167405386593593, 15.666676379554579, 15.579859745657457, 15.531748455885559, 15.426033843958495, 15.971105509047131, 14.904262943037928, 15.2450375198543]

[86.27178735073662, 107.82885875508919, 66.23897826370059, 85.05266216914931, 65.81782762598228, 58.106100418113336, 55.91798856125714, 53.86176720035418, 50.43432571996525, 49.73743706489293, 54.377974860784775, 46.47493935113813, 45.01237972510404, 49.51925458916122, 44.72580186351757, 45.898968562307886, 48.50626415225346, 42.41220251504728, 46.05347204047552, 44.244776930012954, 43.49136383597806, 41.84866019967836, 38.66421120082347, 38.84989215792934, 42.123031231042305, 42.54986787123784, 39.24785961188112, 39.59690526766077, 37.24631589259104, 37.17802541774602, 36.52422049716994, 35.13578045106859, 40.46382944258228, 39.30101472129307, 34.12822788199928, 37.1274689546524, 35.43537150346007, 31.502073066029542, 30.75188838128899, 36.53762498553245, 29.340648034169742, 32.48776994547595, 32.896360951370575, 35.75294401834626, 29.1612030271736, 29.305850307213717, 26.72126110689636, 25.972061313022852, 26.2575928187893, 28.169599013626073, 30.0214534646142, 28.061971726948254, 25.770341231087208, 25.275606255306162, 24.869416468461086, 23.55431736018163, 25.09467170210351, 22.8875564419198, 25.011831336841617, 30.246208776712017, 21.71369224535474, 22.654367198027405, 23.952008047152127, 23.577485267066635, 21.14873373015936, 23.714303641657, 23.454789183996176, 20.565068005108312, 23.72178656958408, 20.206551621374352, 22.60184188415791, 21.014203836704787, 19.814662515011445, 19.96765987125255, 20.044121223396637, 22.083536806838307, 19.996608141501877, 20.01377811962597, 19.92506488077154, 20.339597064166206]

[1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80]

[0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.001, 0.0009699999999999999, 0.0009408999999999999, 0.0009126729999999999, 0.0008852928099999999, 0.0008587340256999998, 0.0008329720049289999, 0.0008079828447811299, 0.0007837433594376959, 0.000760231058654565, 0.000737424126894928, 0.0007153014030880802, 0.0006938423609954377, 0.0006730270901655745, 0.0006528362774606073, 0.0006332511891367891, 0.0006142536534626854, 0.0005958260438588048, 0.0005779512625430406, 0.0005606127246667494, 0.0005437943429267469, 0.0005274805126389445, 0.0005116560972597762, 0.0004963064143419829, 0.00048141722191172336, 0.00046697470525437166, 0.0004529654640967405, 0.0004393765001738382, 0.00042619520516862307, 0.00041340934901356436, 0.0004010070685431574, 0.0003889768564868627, 0.0003773075507922568, 0.0003659883242684891, 0.00035500867454043444, 0.0003443584143042214, 0.00033402766187509475, 0.0003240068320188419, 0.00031428662705827666, 0.00030485802824652835, 0.0002957122873991325]

test loss from 0 : 1.6003055572509766

Output of network: tensor([16.9033, 26.7295, 0.5900, 0.5900, 0.5900, 0.5900], device='cuda:0')

Target Values: tensor([15.4137, 24.2820, 0.0000, 0.0000, 0.0000, 0.0000], device='cuda:0')

loss from this run: 1.6003055572509766

Output 1 : 16.903270721435547

Output 2 : 26.72953224182129

Target 1 : 15.413675308227539

Target 2 : 24.281963348388672

test loss from 1 : 13.916994094848633

Output of network: tensor([ 6.6100, 33.1317, 0.5900, 0.9931, 28.5318, 1.2045], device='cuda:0')

Target Values: tensor([ 8.6672, 34.5709, 0.0000, 0.0000, 19.8696, 0.2936], device='cuda:0')

loss from this run: 13.916994094848633

Output 1 : 6.610044479370117

Output 2 : 33.1317138671875

Output 5 : 28.531841278076172

Target 1 : 8.667219161987305

Target 2 : 34.57094192504883

Target 5 : 19.86959457397461

test loss from 2 : 31.344465255737305

Output of network: tensor([24.0896, 32.1312, 3.0652, 16.3050, 0.5900, 1.8234], device='cuda:0')

Target Values: tensor([27.7662, 42.4862, 2.0098, 21.3781, 0.0000, 8.1580], device='cuda:0')

test loss from 2 : 0.9686456918716431

Output of network: tensor([1.6444, 1.1262, 0.5900, 0.5900, 1.0088, 1.6444], device='cuda:0')

Target Values: tensor([1.9989, 0.0000, 0.0000, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 22.204275131225586

Output of network: tensor([23.7913, 0.5900, 24.3460, 0.5900, 6.5768, 0.5900], device='cuda:0')

Target Values: tensor([34.5306, 0.0000, 20.8189, 0.0000, 8.6766, 0.0000], device='cuda:0')

test loss from 2 : 14.041144371032715

Output of network: tensor([26.6874, 25.3769, 0.5900, 0.7208, 1.3175, 0.5900], device='cuda:0')

Target Values: tensor([32.8366, 31.9710, 0.0000, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 42.31398010253906

Output of network: tensor([ 2.1650, 25.3232, 3.4381, 0.8799, 16.4558, 25.3211], device='cuda:0')

Target Values: tensor([13.3807, 23.0908, 0.0000, 0.0000, 7.3369, 30.5517], device='cuda:0')

test loss from 2 : 28.287389755249023

Output of network: tensor([ 0.5900, 0.5900, 0.5900, 19.5049, 0.6484, 22.4260], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 23.8241, 0.0000, 34.6572], device='cuda:0')

test loss from 2 : 13.296140670776367

Output of network: tensor([22.0620, 0.8025, 1.7871, 1.8815, 25.9225, 0.5900], device='cuda:0')

Target Values: tensor([24.6775, 0.0000, 2.4526, 5.6245, 33.5047, 0.0000], device='cuda:0')

test loss from 2 : 32.70201873779297

Output of network: tensor([ 2.4228, 0.7201, 0.8062, 2.9208, 20.2976, 0.6685], device='cuda:0')

Target Values: tensor([0.0000, 0.0000, 0.0000, 8.7650, 7.8649, 0.0000], device='cuda:0')

test loss from 2 : 15.311651229858398

Output of network: tensor([ 1.5489, 19.8466, 3.7166, 0.5900, 16.4558, 0.5900], device='cuda:0')

Target Values: tensor([ 0.0000, 27.3993, 0.0000, 0.0000, 12.2228, 0.0000], device='cuda:0')

test loss from 2 : 1.719813346862793

Output of network: tensor([ 7.5005, 1.1914, 0.5900, 21.1651, 0.6723, 4.0637], device='cuda:0')

Target Values: tensor([ 6.7665, 0.0000, 0.0000, 22.2650, 0.0000, 6.5838], device='cuda:0')

test loss from 2 : 17.9046630859375

Output of network: tensor([ 2.3080, 0.5900, 13.4914, 20.1652, 24.0306, 26.3948], device='cuda:0')

Target Values: tensor([ 6.7758, 0.0000, 9.7978, 28.5315, 25.1301, 27.9022], device='cuda:0')

test loss from 2 : 15.68222713470459

Output of network: tensor([30.7550, 3.6350, 6.6100, 1.9421, 5.3180, 21.2364], device='cuda:0')

Target Values: tensor([28.6300, 11.9951, 8.4719, 0.0000, 8.3441, 23.0504], device='cuda:0')

test loss from 2 : 30.694076538085938

Output of network: tensor([ 0.5900, 18.5265, 3.0164, 2.5499, 20.6875, 24.6940], device='cuda:0')

Target Values: tensor([ 0.0000, 28.9685, 0.0000, 0.8175, 28.5238, 23.5645], device='cuda:0')

test loss from 2 : 19.364601135253906

Output of network: tensor([ 6.8182, 0.5900, 23.2619, 14.7179, 2.3584, 2.8418], device='cuda:0')

Target Values: tensor([ 6.8685, 0.0000, 33.3318, 16.2146, 0.3291, 0.0000], device='cuda:0')

test loss from 2 : 28.957645416259766

Output of network: tensor([ 9.3930, 0.5900, 0.8354, 0.5900, 25.4128, 0.5900], device='cuda:0')

Target Values: tensor([22.1730, 0.0000, 0.0000, 0.0000, 28.3580, 0.0000], device='cuda:0')

test loss from 2 : 1.002243995666504

Output of network: tensor([0.6344, 0.5900, 0.6606, 4.1856, 1.8637, 0.5900], device='cuda:0')

Target Values: tensor([0.0000, 0.0000, 0.0000, 5.1881, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 4.188357353210449

Output of network: tensor([26.8906, 0.7336, 1.2943, 18.1235, 25.0381, 0.5900], device='cuda:0')

Target Values: tensor([28.5737, 0.0000, 0.0000, 22.5636, 24.8916, 0.0000], device='cuda:0')

test loss from 2 : 28.5965633392334

Output of network: tensor([ 1.9698, 26.9282, 19.9248, 0.6160, 1.6011, 0.5900], device='cuda:0')

Target Values: tensor([ 0.0000, 28.9844, 32.6675, 0.0000, 2.2073, 0.0000], device='cuda:0')

test loss from 2 : 9.063949584960938

Output of network: tensor([ 0.5900, 3.7166, 15.3837, 1.6562, 1.1170, 0.6022], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 21.4507, 0.0000, 1.6723, 0.0000], device='cuda:0')

test loss from 2 : 9.607786178588867

Output of network: tensor([24.1971, 0.5900, 24.0172, 0.5900, 0.5900, 1.5669], device='cuda:0')

Target Values: tensor([18.1578, 0.0000, 28.2214, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 3.183063268661499

Output of network: tensor([ 0.6954, 26.8979, 1.2128, 0.5900, 3.4432, 27.3392], device='cuda:0')

Target Values: tensor([ 0.0000, 27.0687, 0.0000, 0.0000, 6.5042, 30.0590], device='cuda:0')

test loss from 2 : 20.76388931274414

Output of network: tensor([15.4834, 7.3202, 1.8480, 0.5900, 0.5900, 2.0178], device='cuda:0')

Target Values: tensor([13.0355, 17.9708, 0.0000, 0.0000, 0.0000, 3.0394], device='cuda:0')

test loss from 2 : 16.69779396057129

Output of network: tensor([ 0.5900, 0.5900, 0.6233, 22.0102, 11.6669, 35.1984], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 25.2335, 13.9381, 44.3392], device='cuda:0')

test loss from 2 : 34.830745697021484

Output of network: tensor([13.8360, 0.5900, 17.0922, 1.0517, 0.9000, 0.5900], device='cuda:0')

Target Values: tensor([13.5768, 0.0000, 31.4555, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 49.41929244995117

Output of network: tensor([2.2581, 2.2805, 4.5277, 0.5900, 4.3012, 2.3990], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 1.9802, 0.0000, 0.0000, 18.5507], device='cuda:0')

test loss from 2 : 24.12778091430664

Output of network: tensor([ 8.4485, 0.5900, 12.6506, 2.1845, 1.2616, 1.8279], device='cuda:0')

Target Values: tensor([18.5736, 0.0000, 18.5725, 0.0000, 0.0000, 2.5124], device='cuda:0')

test loss from 2 : 61.98606872558594

Output of network: tensor([ 0.5900, 0.8054, 24.6192, 3.3787, 1.6755, 27.3006], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 6.6857, 2.6874, 0.0000, 34.0847], device='cuda:0')

test loss from 2 : 49.111045837402344

Output of network: tensor([ 2.5045, 18.2608, 0.5900, 26.8445, 0.5900, 9.8789], device='cuda:0')

Target Values: tensor([ 0.0000, 28.9120, 0.0000, 39.9274, 0.0000, 8.1220], device='cuda:0')

test loss from 2 : 2.174133062362671

Output of network: tensor([17.1349, 0.6418, 2.4911, 2.4552, 0.5900, 1.0999], device='cuda:0')

Target Values: tensor([15.2782, 0.0000, 1.2263, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 6.43475341796875

Output of network: tensor([ 0.5900, 0.5900, 22.9326, 34.6923, 0.5900, 1.2483], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 23.6060, 39.8275, 0.0000, 4.5256], device='cuda:0')

test loss from 2 : 28.415023803710938

Output of network: tensor([ 8.4485, 0.5900, 0.6007, 9.8789, 2.3790, 16.8470], device='cuda:0')

Target Values: tensor([19.7037, 0.0000, 0.0000, 10.0579, 0.0000, 10.7307], device='cuda:0')

test loss from 2 : 9.33212661743164

Output of network: tensor([ 2.6466, 0.5900, 1.4038, 0.5900, 10.4909, 0.5900], device='cuda:0')

Target Values: tensor([ 1.3164, 0.0000, 0.0000, 0.0000, 17.6469, 0.0000], device='cuda:0')

test loss from 2 : 70.15154266357422

Output of network: tensor([0.5900, 0.5900, 1.5150, 1.3426, 8.7365, 4.5399], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 5.9731, 0.0000, 12.7997, 24.0854], device='cuda:0')

test loss from 2 : 29.931119918823242

Output of network: tensor([23.8303, 1.6216, 14.5348, 7.1816, 0.7356, 3.0593], device='cuda:0')

Target Values: tensor([24.1304, 0.0000, 12.1066, 19.8729, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 0.4282848834991455

Output of network: tensor([0.5900, 0.5900, 0.8456, 0.7858, 2.0025, 0.8262], device='cuda:0')

Target Values: tensor([0.0000, 0.0000, 0.0000, 1.7723, 2.3618, 1.0634], device='cuda:0')

test loss from 2 : 0.8460904955863953

Output of network: tensor([0.5902, 6.4668, 0.8625, 0.5900, 1.5037, 0.9501], device='cuda:0')

Target Values: tensor([0.0000, 5.7795, 0.0000, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 4.716548919677734

Output of network: tensor([ 3.5619, 31.8925, 0.5900, 0.6831, 19.5928, 20.4336], device='cuda:0')

Target Values: tensor([ 5.9787, 34.6638, 0.0000, 0.0000, 18.9093, 16.7599], device='cuda:0')

test loss from 2 : 4.42387580871582

Output of network: tensor([6.1544, 2.7448, 1.9412, 8.4528, 3.4825, 4.3742], device='cuda:0')

Target Values: tensor([5.7033, 0.0000, 2.0439, 6.9162, 6.7220, 1.9371], device='cuda:0')

test loss from 2 : 41.17713928222656

Output of network: tensor([30.0455, 0.5900, 14.5101, 5.4516, 9.0349, 3.2011], device='cuda:0')

Target Values: tensor([22.2220, 0.0000, 24.8918, 12.0863, 13.8786, 0.0000], device='cuda:0')

test loss from 2 : 5.505487442016602

Output of network: tensor([13.8360, 4.8181, 31.8925, 0.5900, 1.1262, 1.4597], device='cuda:0')

Target Values: tensor([15.9854, 0.0000, 33.0974, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 20.00665855407715

Output of network: tensor([ 5.4516, 35.6918, 25.2506, 1.2865, 12.2942, 15.3226], device='cuda:0')

Target Values: tensor([ 8.8529, 29.6271, 26.1702, 0.0000, 11.7335, 23.6217], device='cuda:0')

test loss from 2 : 9.500044822692871

Output of network: tensor([ 1.8981, 0.8515, 0.9000, 28.0745, 21.6863, 0.5900], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.4997, 35.2914, 21.9687, 0.0000], device='cuda:0')

test loss from 2 : 27.133419036865234

Output of network: tensor([26.6295, 31.1155, 19.5726, 0.5900, 16.6604, 0.5900], device='cuda:0')

Target Values: tensor([30.0719, 33.9659, 28.3604, 0.0000, 8.6041, 0.0000], device='cuda:0')

test loss from 2 : 32.51656723022461

Output of network: tensor([ 8.1095, 1.0999, 0.5900, 24.8742, 24.2377, 9.2343], device='cuda:0')

Target Values: tensor([20.8607, 0.0000, 0.0000, 30.3881, 24.7092, 9.8042], device='cuda:0')

test loss from 2 : 5.1138014793396

Output of network: tensor([ 0.5900, 16.1827, 0.9904, 12.8921, 19.3518, 5.1903], device='cuda:0')

Target Values: tensor([ 0.0000, 18.5095, 0.0000, 9.3865, 21.5414, 7.8089], device='cuda:0')

test loss from 2 : 8.529431343078613

Output of network: tensor([28.1092, 22.2306, 27.2728, 0.5900, 17.1443, 8.5862], device='cuda:0')

Target Values: tensor([28.0761, 21.5712, 29.4392, 0.0000, 10.4149, 7.9421], device='cuda:0')

test loss from 2 : 8.941736221313477

Output of network: tensor([ 0.5900, 0.6993, 3.7159, 0.5900, 25.8895, 15.8714], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 10.7811, 0.0000, 26.1558, 17.4454], device='cuda:0')

test loss from 2 : 13.070625305175781

Output of network: tensor([ 1.8273, 15.5678, 4.2489, 0.5900, 0.5900, 6.4202], device='cuda:0')

Target Values: tensor([ 0.0000, 21.9527, 6.9615, 0.0000, 0.0000, 1.2953], device='cuda:0')

test loss from 2 : 13.14150619506836

Output of network: tensor([ 4.8004, 2.1650, 0.5900, 19.6765, 0.5900, 0.5900], device='cuda:0')

Target Values: tensor([ 2.0250, 10.4544, 0.0000, 20.8548, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 53.521846771240234

Output of network: tensor([14.2531, 6.4668, 0.5900, 5.6877, 24.3503, 0.5900], device='cuda:0')

Target Values: tensor([24.6836, 5.5865, 0.0000, 20.0709, 26.3475, 0.0000], device='cuda:0')

test loss from 2 : 18.41504669189453

Output of network: tensor([ 5.0583, 3.0987, 26.2106, 6.4146, 1.4038, 0.5900], device='cuda:0')

Target Values: tensor([ 0.0000, 2.7716, 33.0660, 0.4581, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 4.876967906951904

Output of network: tensor([0.5900, 6.7859, 0.5900, 0.8068, 8.6338, 7.4827], device='cuda:0')

Target Values: tensor([0.0000, 1.6685, 0.0000, 0.0000, 9.9329, 7.2831], device='cuda:0')

test loss from 2 : 1.4632089138031006

Output of network: tensor([1.4038, 6.4688, 1.2385, 0.9606, 0.5900, 1.8914], device='cuda:0')

Target Values: tensor([0.2329, 7.4817, 0.0000, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 13.599180221557617

Output of network: tensor([ 0.5900, 0.5900, 0.5900, 17.6796, 12.2494, 0.6982], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 26.5547, 13.3871, 0.0000], device='cuda:0')

test loss from 2 : 13.833261489868164

Output of network: tensor([28.1978, 9.4908, 0.5900, 2.0144, 19.4380, 19.5928], device='cuda:0')

Target Values: tensor([29.8833, 8.7249, 0.0000, 0.0000, 28.0500, 20.5925], device='cuda:0')

test loss from 2 : 2.7682113647460938

Output of network: tensor([ 0.5999, 10.2634, 0.5900, 11.6669, 7.9085, 0.5900], device='cuda:0')

Target Values: tensor([ 0.0000, 9.1600, 0.0000, 15.4370, 8.2580, 0.0000], device='cuda:0')

test loss from 2 : 6.821723461151123

Output of network: tensor([0.5900, 9.2284, 9.7492, 2.8418, 2.9765, 0.6057], device='cuda:0')

Target Values: tensor([0.0000, 7.4638, 9.5165, 0.0000, 8.3591, 0.0000], device='cuda:0')

test loss from 2 : 50.446502685546875

Output of network: tensor([ 0.5900, 10.4177, 4.7503, 0.5900, 5.7783, 12.1010], device='cuda:0')

Target Values: tensor([ 0.0000, 14.1892, 0.0000, 0.0000, 2.2008, 27.9879], device='cuda:0')

test loss from 2 : 8.274691581726074

Output of network: tensor([17.2417, 0.5900, 2.2547, 21.9174, 21.7222, 0.5900], device='cuda:0')

Target Values: tensor([18.1030, 0.0000, 0.0000, 16.9024, 25.9621, 0.0000], device='cuda:0')

test loss from 2 : 7.583972930908203

Output of network: tensor([ 2.0144, 1.8804, 35.5109, 0.5900, 2.0478, 7.5276], device='cuda:0')

Target Values: tensor([ 0.3381, 0.0000, 40.8230, 0.0000, 0.0000, 4.9982], device='cuda:0')

test loss from 2 : 9.502470016479492

Output of network: tensor([ 0.5900, 3.9296, 8.3002, 1.9850, 19.0816, 14.6483], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 4.0059, 2.2610, 22.9622, 17.4138], device='cuda:0')

test loss from 2 : 28.49281120300293

Output of network: tensor([31.0292, 1.1623, 12.6909, 0.5900, 19.9580, 24.6484], device='cuda:0')

Target Values: tensor([27.3859, 0.0000, 7.5487, 0.0000, 8.5997, 23.9198], device='cuda:0')

test loss from 2 : 3.0127782821655273

Output of network: tensor([ 0.5900, 0.5900, 1.9698, 33.1670, 0.5900, 0.6190], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 36.7404, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 2.884394407272339

Output of network: tensor([28.3601, 0.5900, 5.8267, 1.1192, 17.5649, 9.5979], device='cuda:0')

Target Values: tensor([26.3561, 0.0000, 3.3975, 0.0000, 17.5485, 12.0039], device='cuda:0')

test loss from 2 : 4.510268688201904

Output of network: tensor([ 1.5683, 8.2909, 14.6384, 1.0696, 3.5808, 0.5900], device='cuda:0')

Target Values: tensor([ 0.0000, 10.2203, 17.2007, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 12.082664489746094

Output of network: tensor([ 1.1615, 0.7431, 0.6078, 0.6453, 0.5900, 25.9830], device='cuda:0')

Target Values: tensor([ 1.9751, 0.0000, 0.7020, 0.0000, 0.0000, 17.5861], device='cuda:0')

test loss from 2 : 13.371231079101562

Output of network: tensor([ 0.5900, 1.7358, 20.1161, 0.5900, 36.4821, 11.8337], device='cuda:0')

Target Values: tensor([ 0.0000, 7.2560, 23.2214, 0.0000, 35.4535, 18.0271], device='cuda:0')

test loss from 2 : 4.278385639190674

Output of network: tensor([ 1.0966, 3.1957, 17.8611, 0.5900, 10.2861, 2.3383], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 15.3368, 0.0000, 8.8482, 0.0000], device='cuda:0')

test loss from 2 : 11.08878231048584

Output of network: tensor([ 0.7531, 0.7239, 20.2976, 1.1615, 0.5900, 26.3015], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 13.0072, 0.0000, 0.0000, 23.0467], device='cuda:0')

test loss from 2 : 1.032107949256897

Output of network: tensor([ 0.5900, 1.7833, 21.7802, 0.5900, 2.1651, 0.5900], device='cuda:0')

Target Values: tensor([ 0.0000, 2.2904, 22.2313, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 1.0260910987854004

Output of network: tensor([1.2407, 1.1311, 5.3330, 0.5900, 0.5999, 0.5900], device='cuda:0')

Target Values: tensor([0.0000, 0.0000, 6.8437, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 20.07705307006836

Output of network: tensor([ 0.5900, 23.3364, 16.9577, 0.5900, 3.4825, 25.8065], device='cuda:0')

Target Values: tensor([ 0.0000, 29.1857, 20.1151, 0.0000, 6.7653, 17.7563], device='cuda:0')

test loss from 2 : 6.32321310043335

Output of network: tensor([0.5900, 4.8149, 0.6379, 0.6284, 1.1927, 4.3047], device='cuda:0')

Target Values: tensor([0.0000, 0.0000, 0.0000, 0.0000, 0.0000, 7.7953], device='cuda:0')

test loss from 2 : 35.443546295166016

Output of network: tensor([ 0.6799, 1.4662, 21.2364, 21.3998, 21.8256, 2.7185], device='cuda:0')

Target Values: tensor([ 0.0000, 1.9661, 20.8494, 26.9276, 32.9475, 10.3045], device='cuda:0')

test loss from 2 : 0.6768553256988525

Output of network: tensor([ 0.5900, 6.8006, 0.9193, 0.5900, 12.8921, 0.6606], device='cuda:0')

Target Values: tensor([ 0.0000, 8.1124, 0.0000, 0.0000, 12.2899, 0.0000], device='cuda:0')

test loss from 2 : 2.6592791080474854

Output of network: tensor([ 0.8726, 0.5922, 19.0117, 4.2310, 28.9251, 5.2803], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 22.2677, 6.0657, 28.8683, 4.3463], device='cuda:0')

test loss from 2 : 6.007564544677734

Output of network: tensor([ 3.8002, 24.4485, 0.8508, 0.5937, 0.8547, 0.5900], device='cuda:0')

Target Values: tensor([ 0.0000, 28.9261, 1.2016, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 34.661964416503906

Output of network: tensor([25.4759, 2.3457, 2.5826, 0.5900, 1.6295, 0.5900], device='cuda:0')

Target Values: tensor([32.5229, 14.5232, 0.0000, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 6.622223854064941

Output of network: tensor([ 0.6381, 10.1773, 0.5900, 15.3178, 0.6187, 33.1317], device='cuda:0')

Target Values: tensor([ 0.0000, 13.4630, 0.0000, 10.2905, 0.0000, 31.5423], device='cuda:0')

test loss from 2 : 9.634363174438477

Output of network: tensor([ 0.5900, 29.1679, 4.4210, 0.5900, 2.2231, 1.4484], device='cuda:0')

Target Values: tensor([ 0.0000, 36.2328, 4.0235, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 10.56450080871582

Output of network: tensor([ 1.5716, 0.5900, 0.5900, 35.5478, 27.4076, 0.5900], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 35.1605, 35.1356, 0.0000], device='cuda:0')

test loss from 2 : 17.63636589050293

Output of network: tensor([ 2.1616, 16.5296, 18.3018, 0.5900, 5.9219, 0.5900], device='cuda:0')

Target Values: tensor([ 1.3977, 22.8743, 26.1565, 0.0000, 7.5303, 0.0000], device='cuda:0')

test loss from 2 : 70.24877166748047

Output of network: tensor([ 1.7035, 26.9937, 2.8828, 0.6868, 18.1307, 0.5900], device='cuda:0')

Target Values: tensor([ 6.0059, 33.6222, 21.5934, 0.0000, 20.9833, 0.0000], device='cuda:0')

test loss from 2 : 0.9797490835189819

Output of network: tensor([1.9798, 0.5900, 0.7299, 0.9578, 0.5900, 7.6452], device='cuda:0')

Target Values: tensor([0.0000, 0.0000, 1.3043, 0.0000, 0.0000, 7.7693], device='cuda:0')

test loss from 2 : 17.032814025878906

Output of network: tensor([ 7.0886, 27.9682, 1.4484, 24.4745, 32.4244, 20.0416], device='cuda:0')

Target Values: tensor([ 4.4151, 30.5162, 0.0000, 28.3491, 39.8941, 23.9976], device='cuda:0')

test loss from 2 : 22.595226287841797

Output of network: tensor([21.3998, 2.4625, 1.0877, 0.8959, 22.3864, 0.5900], device='cuda:0')

Target Values: tensor([19.7262, 12.6508, 1.9459, 0.0000, 17.1822, 0.0000], device='cuda:0')

test loss from 2 : 2.4988925457000732

Output of network: tensor([ 2.2982, 0.7248, 21.8850, 2.3311, 1.1976, 1.5753], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 20.8949, 0.0000, 0.0000, 0.4187], device='cuda:0')

test loss from 2 : 29.03021812438965

Output of network: tensor([7.4827, 0.9820, 1.8981, 3.5310, 9.3597, 1.9485], device='cuda:0')

Target Values: tensor([ 3.7497, 0.0000, 0.0000, 12.1080, 18.2094, 0.0000], device='cuda:0')

test loss from 2 : 3.4303579330444336

Output of network: tensor([30.5721, 0.6883, 2.3584, 0.5900, 0.7377, 0.5900], device='cuda:0')

Target Values: tensor([34.2198, 0.0000, 0.0000, 0.0000, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 10.996511459350586

Output of network: tensor([20.1388, 2.3397, 19.1861, 0.5900, 2.9565, 25.8105], device='cuda:0')

Target Values: tensor([21.2801, 0.0000, 24.8782, 0.0000, 7.1767, 22.8703], device='cuda:0')

test loss from 2 : 27.05657196044922

Output of network: tensor([44.6897, 21.7784, 0.5900, 2.4228, 7.5005, 15.1853], device='cuda:0')

Target Values: tensor([42.3809, 23.1427, 0.0000, 0.0000, 6.2537, 27.3251], device='cuda:0')

test loss from 2 : 2.1466898918151855

Output of network: tensor([ 0.8624, 4.5271, 20.3715, 0.5900, 1.8863, 0.6736], device='cuda:0')

Target Values: tensor([ 0.0000, 4.0602, 21.9380, 0.0000, 4.8295, 0.0000], device='cuda:0')

test loss from 2 : 3.348255157470703

Output of network: tensor([0.5900, 0.7934, 9.2759, 2.6066, 1.1354, 5.1352], device='cuda:0')

Target Values: tensor([0.0000, 0.0000, 6.1204, 0.0000, 0.0000, 6.1702], device='cuda:0')

test loss from 2 : 26.568679809570312

Output of network: tensor([28.6858, 2.2926, 14.1820, 12.4238, 12.6454, 0.5900], device='cuda:0')

Target Values: tensor([22.1028, 1.3325, 24.3033, 15.3749, 14.5576, 0.0000], device='cuda:0')

test loss from 2 : 2.4940295219421387

Output of network: tensor([3.4906, 0.5900, 0.6143, 0.5900, 0.5900, 1.1654], device='cuda:0')

Target Values: tensor([0., 0., 0., 0., 0., 0.], device='cuda:0')

test loss from 2 : 1.9032920598983765

Output of network: tensor([ 0.5900, 0.6411, 0.6440, 24.3093, 0.5900, 0.5900], device='cuda:0')

Target Values: tensor([ 0.0000, 0.0000, 0.0000, 27.3995, 0.0000, 0.0000], device='cuda:0')

test loss from 2 : 8.52474308013916

Output of network: tensor([19.4997, 7.1280, 0.5900, 0.5900, 24.0849], device='cuda:0')

Target Values: tensor([23.9649, 11.6379, 0.0000, 0.0000, 25.3697], device='cuda:0')

Test Loss (mean squared error): 2.759573

Time: 20.273787260055542

Targets: [15.413675308227539, 24.281963348388672, 0.0, 0.0, 0.0, 0.0, 8.667219161987305, 34.57094192504883, 0.0, 0.0, 19.86959457397461, 0.29355934262275696, 27.76616859436035, 42.48615646362305, 2.0097649097442627, 21.378076553344727, 0.0, 8.158004760742188, 1.9989063739776611, 0.0, 0.0, 0.0, 0.0, 0.0, 34.53057098388672, 0.0, 20.81892967224121, 0.0, 8.6765718460083, 0.0, 32.836551666259766, 31.971040725708008, 0.0, 0.0, 0.0, 0.0, 13.380698204040527, 23.09082794189453, 0.0, 0.0, 7.336853504180908, 30.551677703857422, 0.0, 0.0, 0.0, 23.824119567871094, 0.0, 34.6572151184082, 24.6774845123291, 0.0, 2.452630043029785, 5.6244940757751465, 33.50474166870117, 0.0, 0.0, 0.0, 0.0, 8.765008926391602, 7.864948272705078, 0.0, 0.0, 27.3992862701416, 0.0, 0.0, 12.22276496887207, 0.0, 6.766513824462891, 0.0, 0.0, 22.2650203704834, 0.0, 6.583832263946533, 6.77579402923584, 0.0, 9.797807693481445, 28.531536102294922, 25.13006591796875, 27.902179718017578, 28.630016326904297, 11.995145797729492, 8.471881866455078, 0.0, 8.344084739685059, 23.050426483154297, 0.0, 28.96847152709961, 0.0, 0.8175433278083801, 28.52375602722168, 23.564516067504883, 6.868454933166504, 0.0, 33.33180236816406, 16.214649200439453, 0.3290975093841553, 0.0, 22.17304801940918, 0.0, 0.0, 0.0, 28.358001708984375, 0.0, 0.0, 0.0, 0.0, 5.188077926635742, 0.0, 0.0, 28.573713302612305, 0.0, 0.0, 22.563587188720703, 24.89161491394043, 0.0, 0.0, 28.984411239624023, 32.66753005981445, 0.0, 2.207263708114624, 0.0, 0.0, 0.0, 21.450729370117188, 0.0, 1.6722886562347412, 0.0, 18.157833099365234, 0.0, 28.221385955810547, 0.0, 0.0, 0.0, 0.0, 27.068737030029297, 0.0, 0.0, 6.504161834716797, 30.058988571166992, 13.035478591918945, 17.97083282470703, 0.0, 0.0, 0.0, 3.0394480228424072, 0.0, 0.0, 0.0, 25.233484268188477, 13.938126564025879, 44.339176177978516, 13.57684326171875, 0.0, 31.455482482910156, 0.0, 0.0, 0.0, 0.0, 0.0, 1.9801636934280396, 0.0, 0.0, 18.550689697265625, 18.573627471923828, 0.0, 18.57250213623047, 0.0, 0.0, 2.5124213695526123, 0.0, 0.0, 6.685739517211914, 2.687443494796753, 0.0, 34.08469772338867, 0.0, 28.91200065612793, 0.0, 39.92741394042969, 0.0, 8.122030258178711, 15.278162956237793, 0.0, 1.2263150215148926, 0.0, 0.0, 0.0, 0.0, 0.0, 23.606033325195312, 39.8275032043457, 0.0, 4.525550842285156, 19.703737258911133, 0.0, 0.0, 10.057896614074707, 0.0, 10.730697631835938, 1.316390037536621, 0.0, 0.0, 0.0, 17.64693832397461, 0.0, 0.0, 0.0, 5.973076343536377, 0.0, 12.799698829650879, 24.08540153503418, 24.130443572998047, 0.0, 12.106572151184082, 19.872949600219727, 0.0, 0.0, 0.0, 0.0, 0.0, 1.772307276725769, 2.3618266582489014, 1.0633844137191772, 0.0, 5.779498100280762, 0.0, 0.0, 0.0, 0.0, 5.978739261627197, 34.66383361816406, 0.0, 0.0, 18.90934181213379, 16.759855270385742, 5.703260898590088, 0.0, 2.043858289718628, 6.916206359863281, 6.7220330238342285, 1.9371192455291748, 22.221975326538086, 0.0, 24.891849517822266, 12.086301803588867, 13.878555297851562, 0.0, 15.985405921936035, 0.0, 33.097408294677734, 0.0, 0.0, 0.0, 8.852899551391602, 29.6270751953125, 26.170185089111328, 0.0, 11.733464241027832, 23.621688842773438, 0.0, 0.0, 0.4997265934944153, 35.29143142700195, 21.96873664855957, 0.0, 30.0718994140625, 33.96590042114258, 28.360370635986328, 0.0, 8.604140281677246, 0.0, 20.86066246032715, 0.0, 0.0, 30.38807487487793, 24.709171295166016, 9.804241180419922, 0.0, 18.50949478149414, 0.0, 9.38654899597168, 21.54136085510254, 7.808857440948486, 28.076080322265625, 21.57117462158203, 29.4392147064209, 0.0, 10.414888381958008, 7.942117691040039, 0.0, 0.0, 10.781128883361816, 0.0, 26.15582275390625, 17.44538688659668, 0.0, 21.952651977539062, 6.961490154266357, 0.0, 0.0, 1.2952723503112793, 2.025001049041748, 10.454371452331543, 0.0, 20.854822158813477, 0.0, 0.0, 24.68363380432129, 5.58653450012207, 0.0, 20.070871353149414, 26.347549438476562, 0.0, 0.0, 2.7716214656829834, 33.066009521484375, 0.4580780565738678, 0.0, 0.0, 0.0, 1.668516755104065, 0.0, 0.0, 9.93288803100586, 7.283108234405518, 0.2329426258802414, 7.481683731079102, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 26.55474281311035, 13.387128829956055, 0.0, 29.88333511352539, 8.72494125366211, 0.0, 0.0, 28.049970626831055, 20.592496871948242, 0.0, 9.159982681274414, 0.0, 15.436960220336914, 8.257965087890625, 0.0, 0.0, 7.4638214111328125, 9.516477584838867, 0.0, 8.35908317565918, 0.0, 0.0, 14.189241409301758, 0.0, 0.0, 2.2007641792297363, 27.987869262695312, 18.102951049804688, 0.0, 0.0, 16.902414321899414, 25.96209716796875, 0.0, 0.3380802571773529, 0.0, 40.8229866027832, 0.0, 0.0, 4.998159885406494, 0.0, 0.0, 4.005875587463379, 2.2609925270080566, 22.96218490600586, 17.41377830505371, 27.38591766357422, 0.0, 7.54870080947876, 0.0, 8.599679946899414, 23.919755935668945, 0.0, 0.0, 0.0, 36.74042510986328, 0.0, 0.0, 26.356107711791992, 0.0, 3.3975071907043457, 0.0, 17.5484561920166, 12.00388240814209, 0.0, 10.220287322998047, 17.20069122314453, 0.0, 0.0, 0.0, 1.9750980138778687, 0.0, 0.7020290493965149, 0.0, 0.0, 17.586116790771484, 0.0, 7.255958557128906, 23.22137451171875, 0.0, 35.453529357910156, 18.027099609375, 0.0, 0.0, 15.336837768554688, 0.0, 8.84818172454834, 0.0, 0.0, 0.0, 13.007190704345703, 0.0, 0.0, 23.046659469604492, 0.0, 2.2903902530670166, 22.231334686279297, 0.0, 0.0, 0.0, 0.0, 0.0, 6.843653202056885, 0.0, 0.0, 0.0, 0.0, 29.185749053955078, 20.1151180267334, 0.0, 6.765270233154297, 17.756282806396484, 0.0, 0.0, 0.0, 0.0, 0.0, 7.795260906219482, 0.0, 1.9661258459091187, 20.84941864013672, 26.927593231201172, 32.94750213623047, 10.3045072555542, 0.0, 8.112415313720703, 0.0, 0.0, 12.289867401123047, 0.0, 0.0, 0.0, 22.267711639404297, 6.065673828125, 28.868257522583008, 4.346270561218262, 0.0, 28.926101684570312, 1.2016018629074097, 0.0, 0.0, 0.0, 32.522891998291016, 14.523200035095215, 0.0, 0.0, 0.0, 0.0, 0.0, 13.462956428527832, 0.0, 10.290528297424316, 0.0, 31.542266845703125, 0.0, 36.2327766418457, 4.023519992828369, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 35.16048049926758, 35.1356086730957, 0.0, 1.397655725479126, 22.874303817749023, 26.156476974487305, 0.0, 7.530344009399414, 0.0, 6.005949974060059, 33.62224578857422, 21.593412399291992, 0.0, 20.98329734802246, 0.0, 0.0, 0.0, 1.3042645454406738, 0.0, 0.0, 7.769343376159668, 4.415075778961182, 30.5162296295166, 0.0, 28.349140167236328, 39.89411163330078, 23.997570037841797, 19.72622299194336, 12.650750160217285, 1.9458931684494019, 0.0, 17.18218421936035, 0.0, 0.0, 0.0, 20.894941329956055, 0.0, 0.0, 0.41873690485954285, 3.7496628761291504, 0.0, 0.0, 12.10800838470459, 18.20942497253418, 0.0, 34.219844818115234, 0.0, 0.0, 0.0, 0.0, 0.0, 21.28010368347168, 0.0, 24.878196716308594, 0.0, 7.176665306091309, 22.87030792236328, 42.38090515136719, 23.14272689819336, 0.0, 0.0, 6.253695964813232, 27.325115203857422, 0.0, 4.060182094573975, 21.937992095947266, 0.0, 4.8295464515686035, 0.0, 0.0, 0.0, 6.120373249053955, 0.0, 0.0, 6.170167446136475, 22.102758407592773, 1.332477331161499, 24.303281784057617, 15.374920845031738, 14.557612419128418, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 27.399534225463867, 0.0, 0.0, 23.964853286743164, 11.63792896270752, 0.0, 0.0, 25.36969757080078]

Outputs [16.903270721435547, 26.72953224182129, 0.5899884700775146, 0.5899884700775146, 0.5899884700775146, 0.5899884700775146, 6.610044479370117, 33.1317138671875, 0.5899884700775146, 0.9930721521377563, 28.531841278076172, 1.2045061588287354, 24.089601516723633, 32.13121032714844, 3.065183162689209, 16.305025100708008, 0.5899884700775146, 1.8234264850616455, 1.6443504095077515, 1.1262073516845703, 0.5899884700775146, 0.5899884700775146, 1.0088410377502441, 1.6443504095077515, 23.791284561157227, 0.5899884700775146, 24.34600257873535, 0.5899884700775146, 6.576841354370117, 0.5899884700775146, 26.687368392944336, 25.37688636779785, 0.5899884700775146, 0.7208335995674133, 1.3174824714660645, 0.5899884700775146, 2.1649913787841797, 25.323209762573242, 3.4381051063537598, 0.879857063293457, 16.455772399902344, 25.321107864379883, 0.5899884700775146, 0.5899884700775146, 0.5899884700775146, 19.504873275756836, 0.6483657956123352, 22.42595100402832, 22.062023162841797, 0.80250084400177, 1.7871330976486206, 1.8814582824707031, 25.922466278076172, 0.5899884700775146, 2.4227592945098877, 0.7200814485549927, 0.8062046766281128, 2.9207944869995117, 20.297649383544922, 0.6685497164726257, 1.5489249229431152, 19.846593856811523, 3.716590166091919, 0.5899884700775146, 16.455772399902344, 0.5899884700775146, 7.500500679016113, 1.1914024353027344, 0.5899884700775146, 21.165145874023438, 0.6722687482833862, 4.063723564147949, 2.3080344200134277, 0.5899884700775146, 13.491418838500977, 20.16520881652832, 24.03062629699707, 26.394847869873047, 30.754961013793945, 3.6350228786468506, 6.610044479370117, 1.9421099424362183, 5.317975044250488, 21.236385345458984, 0.5899884700775146, 18.526514053344727, 3.0163989067077637, 2.5498833656311035, 20.687522888183594, 24.693973541259766, 6.818222999572754, 0.5899884700775146, 23.261899948120117, 14.717864036560059, 2.358398914337158, 2.841766595840454, 9.393001556396484, 0.5899884700775146, 0.835429310798645, 0.5899884700775146, 25.412824630737305, 0.5899884700775146, 0.6343706846237183, 0.5899884700775146, 0.6605648398399353, 4.185582160949707, 1.8637384176254272, 0.5899884700775146, 26.890586853027344, 0.7336385250091553, 1.294308066368103, 18.123516082763672, 25.038082122802734, 0.5899884700775146, 1.9697898626327515, 26.928207397460938, 19.924835205078125, 0.6160304546356201, 1.6010582447052002, 0.5899884700775146, 0.5899884700775146, 3.716590166091919, 15.383710861206055, 1.6561846733093262, 1.1170356273651123, 0.6021648645401001, 24.197084426879883, 0.5899884700775146, 24.017242431640625, 0.5899884700775146, 0.5899884700775146, 1.5668684244155884, 0.695364236831665, 26.897937774658203, 1.2128164768218994, 0.5899884700775146, 3.443190574645996, 27.339223861694336, 15.483367919921875, 7.3201904296875, 1.8480021953582764, 0.5899884700775146, 0.5899884700775146, 2.0178322792053223, 0.5899884700775146, 0.5899884700775146, 0.6233323812484741, 22.010168075561523, 11.6668701171875, 35.19840621948242, 13.836027145385742, 0.5899884700775146, 17.092161178588867, 1.0516867637634277, 0.9000464677810669, 0.5899884700775146, 2.2581450939178467, 2.280499219894409, 4.527650833129883, 0.5899884700775146, 4.301244258880615, 2.3989901542663574, 8.448525428771973, 0.5899884700775146, 12.650644302368164, 2.1845333576202393, 1.26161789894104, 1.8278520107269287, 0.5899884700775146, 0.8054431676864624, 24.619230270385742, 3.378720283508301, 1.675513505935669, 27.30057716369629, 2.504502296447754, 18.26078224182129, 0.5899884700775146, 26.844505310058594, 0.5899884700775146, 9.878908157348633, 17.134923934936523, 0.6417986154556274, 2.4910922050476074, 2.4551632404327393, 0.5899884700775146, 1.0998897552490234, 0.5899884700775146, 0.5899884700775146, 22.93255043029785, 34.692317962646484, 0.5899884700775146, 1.248272180557251, 8.448525428771973, 0.5899884700775146, 0.6006765365600586, 9.878908157348633, 2.379039764404297, 16.847034454345703, 2.6465587615966797, 0.5899884700775146, 1.403841495513916, 0.5899884700775146, 10.490935325622559, 0.5899884700775146, 0.5899884700775146, 0.5899884700775146, 1.5149657726287842, 1.342576265335083, 8.73647689819336, 4.539914131164551, 23.830284118652344, 1.6215760707855225, 14.534754753112793, 7.181598663330078, 0.7355788946151733, 3.0593421459198, 0.5899884700775146, 0.5899884700775146, 0.8455514907836914, 0.785795271396637, 2.0025157928466797, 0.826173722743988, 0.5902429819107056, 6.466757774353027, 0.8625283241271973, 0.5899884700775146, 1.5037102699279785, 0.9500758647918701, 3.561915636062622, 31.892515182495117, 0.5899884700775146, 0.6831482648849487, 19.592790603637695, 20.433568954467773, 6.154401779174805, 2.744758367538452, 1.9411534070968628, 8.452775001525879, 3.4824516773223877, 4.374238014221191, 30.045513153076172, 0.5899884700775146, 14.510123252868652, 5.451600074768066, 9.034936904907227, 3.2010676860809326, 13.836027145385742, 4.818119049072266, 31.892515182495117, 0.5899884700775146, 1.1262073516845703, 1.4596667289733887, 5.451600074768066, 35.69182586669922, 25.250581741333008, 1.2864538431167603, 12.294159889221191, 15.322598457336426, 1.8980695009231567, 0.8515294790267944, 0.9000464677810669, 28.074481964111328, 21.68625259399414, 0.5899884700775146, 26.629520416259766, 31.115453720092773, 19.572553634643555, 0.5899884700775146, 16.660415649414062, 0.5899884700775146, 8.109516143798828, 1.0998897552490234, 0.5899884700775146, 24.874210357666016, 24.237730026245117, 9.234291076660156, 0.5899884700775146, 16.182680130004883, 0.9904216527938843, 12.892127990722656, 19.35184097290039, 5.190339088439941, 28.109233856201172, 22.230602264404297, 27.272794723510742, 0.5899884700775146, 17.144254684448242, 8.586176872253418, 0.5899884700775146, 0.6993396878242493, 3.7159366607666016, 0.5899884700775146, 25.889524459838867, 15.871439933776855, 1.8272932767868042, 15.567834854125977, 4.2488694190979, 0.5899884700775146, 0.5899884700775146, 6.4201507568359375, 4.800352096557617, 2.1649913787841797, 0.5899884700775146, 19.676523208618164, 0.5899884700775146, 0.5899884700775146, 14.253071784973145, 6.466757774353027, 0.5899884700775146, 5.687740325927734, 24.350292205810547, 0.5899884700775146, 5.058327674865723, 3.0987160205841064, 26.210561752319336, 6.41463565826416, 1.403841495513916, 0.5899884700775146, 0.5899884700775146, 6.785872459411621, 0.5899884700775146, 0.806813657283783, 8.633842468261719, 7.482693672180176, 1.403841495513916, 6.46875, 1.2384865283966064, 0.9606108069419861, 0.5899884700775146, 1.8914295434951782, 0.5899884700775146, 0.5899884700775146, 0.5899884700775146, 17.679553985595703, 12.249431610107422, 0.6982064247131348, 28.197757720947266, 9.490788459777832, 0.5899884700775146, 2.014375686645508, 19.437963485717773, 19.592790603637695, 0.5998923182487488, 10.263396263122559, 0.5899884700775146, 11.6668701171875, 7.908502578735352, 0.5899884700775146, 0.5899884700775146, 9.2283935546875, 9.74917221069336, 2.841766595840454, 2.976526975631714, 0.6056763529777527, 0.5899884700775146, 10.417717933654785, 4.750340461730957, 0.5899884700775146, 5.778311729431152, 12.100960731506348, 17.241687774658203, 0.5899884700775146, 2.2546753883361816, 21.91736602783203, 21.722179412841797, 0.5899884700775146, 2.014375686645508, 1.880400538444519, 35.51087951660156, 0.5899884700775146, 2.047792434692383, 7.527575492858887, 0.5899884700775146, 3.929635763168335, 8.300222396850586, 1.9849787950515747, 19.08157730102539, 14.648279190063477, 31.029172897338867, 1.1622579097747803, 12.690942764282227, 0.5899884700775146, 19.957984924316406, 24.648365020751953, 0.5899884700775146, 0.5899884700775146, 1.9697898626327515, 33.167022705078125, 0.5899884700775146, 0.6189783811569214, 28.360065460205078, 0.5899884700775146, 5.82668399810791, 1.1191965341567993, 17.56488609313965, 9.597918510437012, 1.5683207511901855, 8.29092025756836, 14.638404846191406, 1.069633960723877, 3.5807831287384033, 0.5899884700775146, 1.1614511013031006, 0.7431087493896484, 0.6078056693077087, 0.6453465819358826, 0.5899884700775146, 25.98303985595703, 0.5899884700775146, 1.735825538635254, 20.116119384765625, 0.5899884700775146, 36.48210906982422, 11.833654403686523, 1.0965838432312012, 3.195699691772461, 17.86113739013672, 0.5899884700775146, 10.2860689163208, 2.3382952213287354, 0.7530611753463745, 0.7238689661026001, 20.297649383544922, 1.1614511013031006, 0.5899884700775146, 26.30146598815918, 0.5899884700775146, 1.7832674980163574, 21.78022003173828, 0.5899884700775146, 2.165112018585205, 0.5899884700775146, 1.2406587600708008, 1.1310651302337646, 5.333037376403809, 0.5899884700775146, 0.5998923182487488, 0.5899884700775146, 0.5899884700775146, 23.336397171020508, 16.95772933959961, 0.5899884700775146, 3.4824516773223877, 25.80645179748535, 0.5899884700775146, 4.814884185791016, 0.6378832459449768, 0.6284157633781433, 1.1926740407943726, 4.304729461669922, 0.6798967719078064, 1.4661823511123657, 21.236385345458984, 21.399845123291016, 21.825613021850586, 2.7185401916503906, 0.5899884700775146, 6.800636291503906, 0.9192773699760437, 0.5899884700775146, 12.892127990722656, 0.6606103777885437, 0.8725981116294861, 0.5921951532363892, 19.011669158935547, 4.231006622314453, 28.925134658813477, 5.28034782409668, 3.800248384475708, 24.448450088500977, 0.8508114814758301, 0.593720018863678, 0.8546899557113647, 0.5899884700775146, 25.47589874267578, 2.345747947692871, 2.5825886726379395, 0.5899884700775146, 1.6295379400253296, 0.5899884700775146, 0.6380578875541687, 10.177289962768555, 0.5899884700775146, 15.317797660827637, 0.6186699271202087, 33.1317138671875, 0.5899884700775146, 29.167940139770508, 4.421009063720703, 0.5899884700775146, 2.2231178283691406, 1.448391318321228, 1.5716066360473633, 0.5899884700775146, 0.5899884700775146, 35.547786712646484, 27.407556533813477, 0.5899884700775146, 2.1616179943084717, 16.52964973449707, 18.30175018310547, 0.5899884700775146, 5.921923637390137, 0.5899884700775146, 1.7035499811172485, 26.99370765686035, 2.882797956466675, 0.6867944002151489, 18.13065528869629, 0.5899884700775146, 1.9797837734222412, 0.5899884700775146, 0.7298892736434937, 0.9578404426574707, 0.5899884700775146, 7.645196914672852, 7.088553428649902, 27.96818733215332, 1.448391318321228, 24.4744930267334, 32.42443084716797, 20.04155921936035, 21.399845123291016, 2.4625496864318848, 1.0877149105072021, 0.895850658416748, 22.386396408081055, 0.5899884700775146, 2.2982492446899414, 0.7248485088348389, 21.88495445251465, 2.3310718536376953, 1.1976019144058228, 1.575338363647461, 7.482693672180176, 0.9820209741592407, 1.8980695009231567, 3.5309956073760986, 9.359731674194336, 1.948466420173645, 30.572114944458008, 0.6883350610733032, 2.358398914337158, 0.5899884700775146, 0.7376929521560669, 0.5899884700775146, 20.13882827758789, 2.3396663665771484, 19.186065673828125, 0.5899884700775146, 2.9565346240997314, 25.81047248840332, 44.68973922729492, 21.778400421142578, 0.5899884700775146, 2.4227592945098877, 7.500500679016113, 15.185306549072266, 0.862423300743103, 4.527115821838379, 20.371461868286133, 0.5899884700775146, 1.8863368034362793, 0.6736104488372803, 0.5899884700775146, 0.7934188842773438, 9.275915145874023, 2.6065964698791504, 1.1353602409362793, 5.135228157043457, 28.685794830322266, 2.2925779819488525, 14.181997299194336, 12.423824310302734, 12.64542293548584, 0.5899884700775146, 3.490631341934204, 0.5899884700775146, 0.6142565608024597, 0.5899884700775146, 0.5899884700775146, 1.1653755903244019, 0.5899884700775146, 0.6410640478134155, 0.6439787149429321, 24.309255599975586, 0.5899884700775146, 0.5899884700775146, 19.499725341796875, 7.127991676330566, 0.5899884700775146, 0.5899884700775146, 24.08492660522461]